

DATA REPORT
Water Column Characteristics of Barkley and Clayoquot Sound,
September 2003

By

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Abstract

This cruise report contains water column CTD data collected in Effingham Inlet in Barkley Sound and Clayoquot Sound, British Columbia, Canada. Data was collected from September 5-9, 2003 aboard the R/V Clifford A. Barnes. The objectives of the cruise were multiple; 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, evaluate the extent of the regional oxygen minimum zone in the inlets, to evaluate planktonic abundances and species compositions, to evaluate the water-leaving irradiance of the inlets during our sampling period, and to evaluate the growth rates of heterotrophic bacteria within the inlets. Data from plankton samples and sediment samples is incomplete at this time and is not included in this report.

Introduction

The scientific objectives of the September 2003 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, five types of measurements were made; CTD casts, water optical properties, water samples and incubations, plankton samples and sediment grab samples. Data from the nutrient, plankton and sediment core samples will be reported at a later date.

Measurements were made at 67 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. In addition, methods for determining surface water characteristics for ground-truthing aerial and satellite data were tested. Chief scientist on the cruise was Rick Keil from the University of Washington, Seattle and further inquiries should be addressed to him. This data report, other data, and reports for previous years, are available for electronic download at the chief scientist's web site; <http://depts.washington.edu/aog>. Cruise participants and their affiliations are listed in Table 1.

Methods

CTD casts were made with a SEABIRD 911plus equipped with an oxygen sensor, fluorometer and transmissometer and lowered at a rate of 20 m/min. Nutrient samples were collected on 50 ml sample bottles and frozen to be analyzed by the UW Marine Chemistry Laboratory upon our return. Phytoplankton samples were collected by sieving 10 liters of water from the Niskin bottles unfiltered and through a 20 micron mesh sieve. 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 (Evans et al., submitted). 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.
- Evans, C.t., Keil, R.G. and Van Mooy, B.A. (submitted to *Limnology and Oceanography Methods*) Characterization of active and latent heterotrophic bacterial communities on the outer coast of Vancouver Island using a novel Brd-U labeling technique.
- 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.

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Figure 1. Approximate locations of the samples taken in 2003.

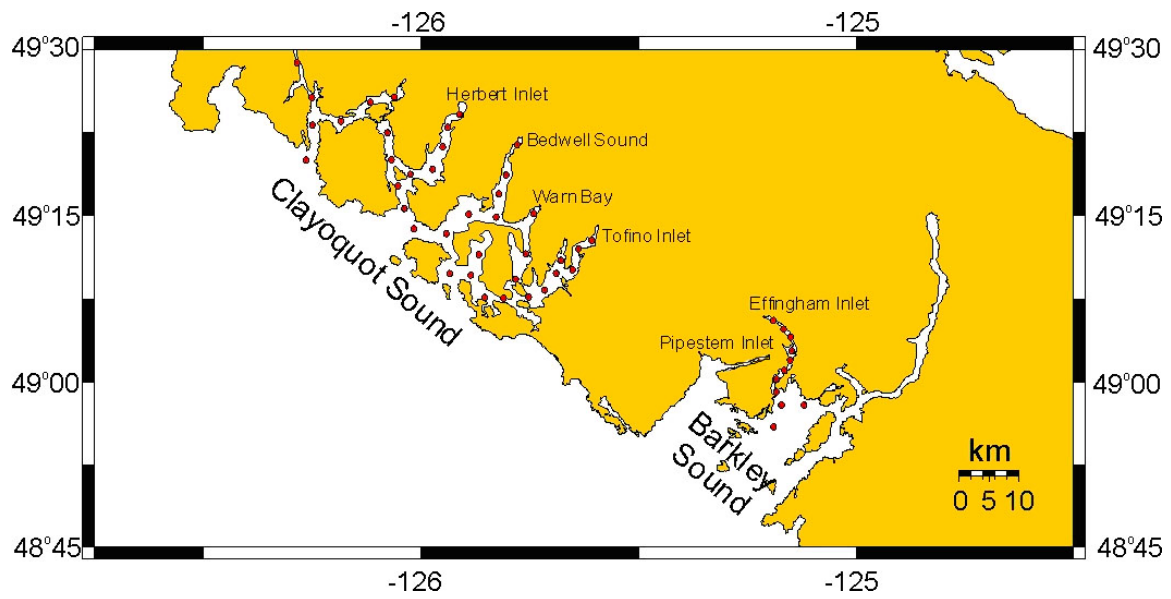


Table 1. Cruise participants and affiliations.

Name	Status	Affiliation
Dr. Richard Keil	<i>Associate Professor</i>	University of Washington, Seattle
Dr. Cheryl Greengrove	<i>Associate Professor</i>	University of Washington, Tacoma
Dr. Gerardo Chin-Leo	<i>Associate Professor</i>	The Evergreen State College
Dr. Miles Logsdon	<i>Assistant Professor</i>	University of Washington, Seattle
Jon Nuwer	<i>Graduate Student</i>	University of Washington, Seattle
Colleen Evans	<i>Undergraduate</i>	University of Washington, Seattle
Kimberly Genther	<i>Undergraduate</i>	University of Washington, Seattle
Kate Hubbard	<i>Graduate Student</i>	University of Washington, Seattle
Ray McQuin	<i>Captian</i>	R/V Barnes, UW Seattle
Nikki Hicks	<i>First Mate</i>	R/V Barnes, UW Seattle

Table 2. Chlorophyll Data

Chlorophyll a concentrations

<u>station</u>	<u>Sta #</u>	<u>Lat</u>	<u>Long</u>	<u>date</u>	<u>local time</u>	<u>depth (m)</u>	<u>Chl a (µg/L)</u>	<u>Std</u>	<u>Phaeo</u>	<u>Std</u>
Sydney Inlet	71	49 30.38	126 17.605	5-Sep-03	8:10 AM	0	0.22	0.02	0.14	0.01
Sydney Inlet	69	49 28.144	126 16.481	5-Sep-03	9:00 AM	0	0.49	0.08	0.14	0.02
Sydney Inlet	65	49 26.278	126 15.534	5-Sep-03	10:01 AM	0	0.14	0.01	0.04	0.01
Sydney Inlet	63	49 24.053	126 14.562	5-Sep-03	10:54 AM	30	0.08	0.00	0.03	0.01
Sydney Inlet	64	50 24.053	127 14.562	5-Sep-03	11:54 AM	0	0.43	0.08	0.03	0.01
Sydney Inlet	60	49 20.166	126 15.281	5-Sep-03	12:33 PM	0	0.67	0.14	0.14	0.14
Shelter Inlet	73	49 23.383	126 11.231	5-Sep-03	1:20 PM	75	0.01	0.00	0.03	0.00
Shelter Inlet	73	50 23.383	127 11.231	5-Sep-03	2:20 PM	10	0.10	0.04	0.02	0.01
Shelter Inlet	73	51 23.383	128 11.231	5-Sep-03	3:20 PM	0	1.50	0.78	0.02	0.84
Shelter Inlet	75	49 24.02	126 08.17	5-Sep-03	2:20 PM	0	0.43	0.16	0.06	0.01
Shelter Inlet	78	49 25.554	126 05.082	5-Sep-03	3:37 PM	10	0.08	0.02	0.02	0.00
Shelter Inlet	78	50 25.554	127 05.082	5-Sep-03	4:37 PM	0	0.25	0.20	0.01	0.03
Shelter Inlet	80	49 26.391	126 02.739	5-Sep-03	5:06 PM	0	2.09	0.92	0.09	0.04
Herbert Inlet	38	49 24.728	125 54.502	6-Sep-03	7:02 AM	0	0.14	0.01	0.02	0.00
Herbert Inlet	35	49 19.627	125 58.792	6-Sep-03	8:40 AM	0	0.08	0.02	0.03	0.00
Herbert Inlet	33	49 17.781	126 02.187	6-Sep-03	9:34 AM	0	0.30	0.08	0.06	0.03
Herbert Inlet	31	49 14.090	126 01.851	6-Sep-03	10:25 AM	0	0.28	0.05	0.07	0.01
Bedwell Sound	40	49.21.193	125 47.335	6-Sep-03	12:25 PM	0	0.40	0.02	0.08	0.03
Bedwell Sound	42	49 16.170	125 49.203	6-Sep-03	1:27 PM	0	0.22	0.01	0.05	0.01
Tofino Inlet	59	49 09.053	125 54.989	7-Sep-03	7:31 AM	0	0.55	0.09	0.17	0.05
Tofino Inlet	45	49 07.533	125 45.883	7-Sep-03	9:15 AM	0	0.48	0.11	0.07	0.02
Tofino Inlet	55	49 09.107	125 41.564	7-Sep-03	10:40 AM	8	0.03	0.00	0.01	0.00
Tofino Inlet	55	50 09.107	126 41.564	7-Sep-03	11:40 AM	0	0.91	0.17	0.05	0.09
Tofino Inlet	54	49 10.888	125 38.849	7-Sep-03	12:44 PM	0	1.32	0.16	0.14	0.01
Tofino Inlet	52	49 13.006	125 36.154	7-Sep-03	1:47 PM	0	0.72	0.08	-0.06	0.02

Table 3. Bacterial Production Data

Bacterial Thymidine Incorporation Rates

<u>station</u>	<u>Sta #</u>	<u>Lat</u>	<u>Long</u>	<u>date</u>	<u>local time</u>	<u>depth (m)</u>	<u>TdR Incorporation (pM/h)</u>
Sydney Inlet	71	49 30.38	126 17.605	5-Sep-03	8:10 AM	0	26.75
Sydney Inlet	69	49 28.144	126 16.481	5-Sep-03	9:00 AM	0	45.22
Sydney Inlet	65	49 26.278	126 15.534	5-Sep-03	10:01 AM	0	36.03
Sydney Inlet	64	50 24.053	127 14.562	5-Sep-03	11:54 AM	0	43.44
Sydney Inlet	60	49 20.166	126 15.281	5-Sep-03	12:33 PM	0	44.28
Shelter Inlet	73	51 23.383	128 11.231	5-Sep-03	3:20 PM	0	38.25
Shelter Inlet	75	49 24.02	126 08.17	5-Sep-03	2:20 PM	0	37.21
Shelter Inlet	78	50 25.554	127 05.082	5-Sep-03	4:37 PM	0	34.20
Shelter Inlet	80	49 26.391	126 02.739	5-Sep-03	5:06 PM	0	65.93
Herbert Inlet	38	49 24.728	125 54.502	6-Sep-03	7:02 AM	0	28.04
Herbert Inlet	35	49 19.627	125 58.792	6-Sep-03	8:40 AM	0	26.38
Herbert Inlet	31	49 14.090	126 01.851	6-Sep-03	10:25 AM	0	35.11
Bedwell Sound	40	49.21.193	125 47.335	6-Sep-03	12:25 PM	0	31.86
Bedwell Sound	42	49 16.170	125 49.203	6-Sep-03	1:27 PM	0	19.79
Tofino Inlet	59	49 09.053	125 54.989	7-Sep-03	7:31 AM	0	58.18
Tofino Inlet	45	49 07.533	125 45.883	7-Sep-03	9:15 AM	0	34.41
Tofino Inlet	55	50 09.107	126 41.564	7-Sep-03	11:40 AM	0	47.74
Tofino Inlet	54	49 10.888	125 38.849	7-Sep-03	12:44 PM	0	56.44
Tofino Inlet	52	49 13.006	125 36.154	7-Sep-03	1:47 PM	0	36.49

Table 4. Sediment Core Log.

Clayoquot Sound 2003 Core Log

lat and long datum are from WGS84 (marine) and not from
NAD83 (terrestrial)

Station Name	date	local time	Lat	Long	Water Depth (m)	Corer	Notes
Mouth of Kennedy River in Tofino Inlet	7-Sep-03	10:17 AM	4908.346	12540.255		9 Van Veen	cobble and shell debris, right in the mouth of the river as far up as the Barnes could go
Mouth of Kennedy River in Tofino Inlet	7-Sep-03	10:25 AM	4908.324	12540.123		9 Van Veen	mud and large woody debris, to left of river opening
52 - Tofino Inlet	7-Sep-03	2:50 PM	4913.022	12536.167		50 gravity	2-tries - 25 and then 45cm silty stinks of sulfide, black-green mud with black smears.
ibid	7-Sep-03						second try better because it didn't fall over after penetrating (we think)
53 - Tofino Inlet	7-Sep-03	3:30 PM	4912.546	12536.552		72 gravity	2 tries both empty, ship drifting rapidly and cores penetrating on the side of the fjord at <60m depth
ibid	7-Sep-03						
N. of Sta 50 Tofino Inlet	7-Sep-03	3:51 PM	4912.400	12537.802		87 Van Veen	nice green mud with some smell but not overwhelming, core full but surface of mud visible by slight color change
Sta 50 Tofino Inlet	7-Sep-03	4:10 PM	4912.999	12538.238		115 gravity	25 cm nice mud
ibid	7-Sep-03	5:00 PM				Box corer	overpenetrated, green, soupy, smells, consistency like that of lose jello, 50+ cm tried with the stops moved up as high as possible but still overpenetrated, giving up on this core at this location - need feet for the corer
ibid	7-Sep-03	5:37 PM				Box corer	2 weights (one large, one small) 70+ cm great mud - beauty - smells, green, black plotches
ibid	7-Sep-03	6:45 PM				gravity	

54 - Tofino Inlet	7-Sep-03	7:51 PM	4910.913	12538.923	110 Van Veen	nice full box of green sulfur-smelling mud
fortune chanel deep hole	8-Sep-03	8:32 AM	4912.659	12545.802	106 Van Veen	full olive green, smelly, some shells, surface layer lighter green, jello-like consistency, black anoxic patches
42A - Mouth Bedwell	8-Sep-03	9:16 AM	4915.112	12550.173	58 Van Veen	full olive green, smelly but fresher and less sulfidic than the previous one, also slightly more compacted, oxidized surface layer, worm burrows, long (6cm+) blood-red worms
42 - Bedwell	8-Sep-03	9:31 AM	4916.177	12549.252	62 Van Veen	dark green, lots of worms, no smell at all, slightly compacted, well mixed surface layer with no visible color change
82 - Bedwell	8-Sep-03	9:52 AM	4917.853	12548.697	60 Van Veen	loaded with large worms, tube worms, sea pens (see photos) green, lighter surface layer, no sulfur smell
41 - Bedwell	8-Sep-03	10:14 AM	4920.078	12547.330	75 Van Veen	green mud, olive top layer, no smell, no visible worms but worm casings present
40 - Head Bedwell	8-Sep-03	10:54 AM	4921.165	12547.330	78 Van Veen	darker green, no smell, worms, lighter surface layer, no visible terrestrial plant debris but it is found upon seiving
40A - Head of Bedwell	8-Sep-03	11:23 AM	4921.602	12546.741	10 Van Veen	no mud - all leaves and twigs, mostly from Hemlock
ibid	8-Sep-03	11:27 AM			6 Van Veen	cobble, not kept
40B - head of Bedwell	8-Sep-03	11:36 AM	4921.550	12546.720	45 Van Veen	plant debris, no mud, sides of basin too steep?
Bedwell Head	8-Sep-03	11:50 AM	4921.395	12546.918	72 gravity	two weights, sand with lots fo bark and leaf debris, 15+cm, not sliced, placed into a large ziplock bag
40 again	8-Sep-03	12:24 PM	4921.129	12547.332	78 gravity	two weights, poor penetration or core lost on the way up, outer coating of barrel was covered with mud - did we lose it?
ibid	8-Sep-03	12:47 PM			gravity	placed a small plastic iris on the bottom to collect the mud, but results same as above, less than 10cm penetration
41 Bedwell	8-Sep-03	1:04 PM	4920.110	12548.283	75 gravity	50 cm okay but the plastic thing screwed with the interface, trying again

ibid	8-Sep-03	1:20 PM			gravity	50 cm again, not bad, sliced
S of 41 near fish pen, near 82	8-Sep-03	1:59 PM	4918.425	12548.633	67 gravity	one weight - stinks, 50+ cm, mottled and loose top, black smears on barrel
42 main basin of Bedwell near two pens	8-Sep-03	2:26 PM	4916.143	12549.132	61 gravity	one weight, 20 cm stiff
ibid	8-Sep-03	2:45 PM			gravity	two weights, 30 cm nice - sliced shells, live shell fish, large shells up to 8 inches, sandy
84 Mud	8-Sep-03	3:18 PM	4914.996	12552.654	57 Van Veen	sandy shells
85 Mud	8-Sep-03	3:40 PM	4913.974	12556.354	25 Van Veen	Pure and simple sand, no shells
Near 31	8-Sep-03	4:08 PM	4913.721	12601.991	13 Van Veen	sand and water, no shells
almost on shelf	8-Sep-03	4:35 PM	4911.742	12606.542	31 Van Veen	

Table 5. Light data

Date	Time	Depth	Green Lux	Blue Lux
9/8/2003	11:00am	Deck	24.000	9.000
		Surface	24.000	11.000
		1m	18.000	6.500
		2m	14.500	4.000
		3m	10.000	2.500
		4m	7.000	1.500
		5m	6.000	1.500
		6m	5.000	1.500
		7m	4.500	1.500
		8m	4.000	1.500
		9m	3.500	1.500
		10m	3.500	1.500
9/8/2003	12:40	Deck	20.500	10.500
		Surface	18.000	9.500
		1m	13.000	4.500
		2m	9.000	2.000
		3m	5.500	1.500
		4m	3.500	1.000
		5m	3.000	0.500
		6m	3.000	0.500
		7m	2.500	0.500
		8m	2.500	0.500
		9m	2.000	0.500
		10m	2.000	0.500
9/8/2003	1:30pm	Deck	4.377	2.134
		Surface	4.107	1.547
		1m	2.350	0.537
		2m	1.750	0.281
		3m	1.192	0.125
		4m	0.882	0.065
		5m	0.725	0.042
		6m	0.601	0.027
		7m	0.502	0.018
		8m	0.444	0.013
		9m	0.392	0.012
		10m	0.372	0.012

Date	Time	Depth	Green Lux	Blue Lux
9/8/2001	12:34pm	Deck	1.236	0.716
		Surface	1.330	0.673
		1m	0.801	0.254
		2m	0.631	0.128
		3m	0.446	0.540
		4m	0.360	0.305
		5m	0.248	0.017
		6m	0.171	0.006
		7m	0.132	0.009
		8m	0.112	0.004
		9m	0.095	0.006
		10m	0.091	0.006
9/8/2003	3/7/2003	Deck	1.250	0.081
		Surface	1.318	0.817
		1m	1.114	0.454
		2m	0.902	0.280
		3m	0.659	0.128
		4m	0.514	0.757
		5m	0.386	0.049
		6m	0.288	0.024
		7m	0.222	0.015
		8m	0.208	0.015
		9m	0.171	0.010
		10m	0.117	0.004

Table 6. CTD data for 67 stations in Barkley and Clayoquot Sounds September 5-9, 2003.

Station = 80900201

Date & Time = Sept 9 2003 16:00

Latitude = 48 58.72 N

Longitude = 125 9.84 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	67.2813	15.1097	6.03687	31.4646	12.8476	23.685	23.6849
8	84.2974	7.3099	4.77588	31.8637	11.1477	24.3083	24.3081
12	85.8342	1.8388	3.89245	32.0179	10.5486	24.5322	24.532
16	86.241	1.3207	3.43422	32.1029	10.1081	24.6727	24.6724
20	86.344	1.1388	3.18645	32.1163	9.9966	24.7016	24.7012
24	86.4448	1.0322	3.02274	32.183	9.7682	24.791	24.7906
28	86.4539	0.956	2.88671	32.2337	9.6291	24.8532	24.8527
32	86.3787	0.9344	2.77394	32.2943	9.4477	24.9297	24.9291
36	86.35	0.8893	2.72151	32.327	9.3724	24.9672	24.9666
40	86.1184	0.8871	2.63318	32.4117	9.1806	25.0637	25.0631
44	85.6988	0.8648	2.386	32.5129	8.9639	25.1767	25.1759
48	85.1921	0.8562	2.21171	32.5868	8.7966	25.2603	25.2596
52	84.2178	0.8512	1.98739	32.7094	8.5454	25.3946	25.3938
56	83.0384	0.8467	1.7383	32.7647	8.4054	25.4589	25.4581
60	83.1569	0.8506	1.66421	32.8068	8.3384	25.5019	25.501
64	81.5633	0.837	1.61397	32.8751	8.2195	25.5731	25.5722
68	79.5989	0.8495	1.53595	32.915	8.1426	25.6157	25.6148
72	79.5499	0.8495	1.51355	32.9158	8.1415	25.6166	25.6155
76	77.4433	0.8519	1.55458	32.9491	8.1173	25.6462	25.6451
80	73.9001	0.9081	-9.99E-29	32.9886	8.0904	25.6812	25.68

Station = 80900301
 Date & Time = Sept 9 2003 15:42
 Latitude = 48 59.49 N
 Longitude = 125 11.39 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	66.3888	10.8125	6.28125	31.4122	13.1077	23.594	23.5939
8	82.8743	13.0734	5.444	31.8134	11.3179	24.2391	24.2389
12	85.426	3.8864	4.44248	31.9866	10.6722	24.4867	24.4865
16	86.2061	1.8037	3.75837	32.1101	10.1619	24.6693	24.669
20	86.3459	1.2488	3.23779	32.1754	9.8447	24.7726	24.7723
24	86.3566	1.0688	3.00767	32.2099	9.7161	24.8205	24.8201
28	86.3649	1.0131	2.83213	32.2533	9.5789	24.8766	24.8761
32	86.1743	1.0138	2.72406	32.3148	9.4145	24.951	24.9504
36	86.0143	0.9563	2.55309	32.3652	9.2765	25.0122	25.0116
40	85.6909	0.9523	2.46752	32.4229	9.1386	25.0791	25.0784
44	84.7076	0.9395	2.17733	32.5285	8.8934	25.1998	25.1991
48	83.6025	0.9325	1.97851	32.6067	8.7186	25.2878	25.287
52	81.5018	0.9882	1.74075	32.7193	8.4858	25.4113	25.4105
56	79.4331	0.9081	1.50516	32.7975	8.331	25.4957	25.4949
60	78.1475	0.9053	1.44083	32.8327	8.2704	25.5324	25.5315
64	79.145	0.894	1.44531	32.8512	8.2408	25.5512	25.5503
68	79.1935	0.8896	1.47027	32.8619	8.226	25.5618	25.5608
72	76.2276	0.8931	1.47013	32.909	8.1652	25.6078	25.6067
76	69.5345	0.895	-9.99E-29	32.9673	8.0991	25.6632	25.6621

Station = 80900401
 Date & Time = Sept 9 2003 15:30
 Latitude = 49 59.97 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	69.7143	13.5535	6.14607	31.5242	12.6551	23.768	23.7679
8	80.8759	11.382	5.22827	31.7717	11.4858	24.1766	24.1765
12	84.7744	4.3511	4.22891	31.9778	10.6184	24.4891	24.4889
16	85.7833	2.2644	3.64283	32.0875	10.1755	24.6494	24.6491
20	86.1245	1.4512	3.16024	32.1331	9.9714	24.7188	24.7184
24	86.172	1.2141	2.92795	32.2003	9.7476	24.8079	24.8075
28	86.1612	1.0487	2.68779	32.2742	9.5175	24.9028	24.9023
32	86.1185	1.0062	2.62339	32.2955	9.4446	24.9311	24.9305
36	85.9728	1.0298	2.53485	32.3391	9.3315	24.9831	24.9825
40	85.4885	0.9811	2.36413	32.4291	9.121	25.0866	25.086
44	84.804	0.9368	2.1396	32.5035	8.9439	25.1724	25.1717
48	83.9504	0.9315	1.95216	32.5796	8.7745	25.2581	25.2573
52	80.6827	0.914	1.64905	32.729	8.4609	25.4227	25.4219
56	79.0844	0.9171	1.48578	32.7677	8.3877	25.4639	25.4631
60	77.7111	0.9216	1.40793	32.7958	8.3347	25.4938	25.4929

Station = 80900501
 Date & Time = Sept 9 2003 15:16
 Latitude = 49 0.31 N
 Longitude = 125 10.63 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	64.1256	15.2878	5.98914	31.4222	13.101	23.6031	23.603
8	81.5336	13.2991	4.9606	31.8072	11.3589	24.2269	24.2267
12	84.8484	3.6345	3.99982	31.9752	10.5961	24.4909	24.4906
16	85.8115	2.1552	3.42866	32.0819	10.1353	24.6517	24.6514
20	85.9846	1.4125	3.07285	32.1521	9.8731	24.7498	24.7495
24	86.135	1.1392	2.75842	32.2363	9.6108	24.8582	24.8577
28	86.0554	1.0264	2.6008	32.2747	9.4961	24.9066	24.9061
32	86.0354	1.0216	2.52868	32.3143	9.3823	24.9557	24.9552
36	85.9159	0.9743	2.46592	32.3702	9.2436	25.0213	25.0207
40	85.6401	0.9633	2.32915	32.4369	9.0839	25.0985	25.0979
44	85.2387	0.9457	2.14976	32.5046	8.9137	25.178	25.1773
48	84.8931	0.9265	1.94188	32.5773	8.7413	25.2614	25.2606
52	83.6335	0.9097	1.69898	32.6703	8.5434	25.3643	25.3635
56	81.9483	0.9206	1.49924	32.7223	8.439	25.4206	25.4198
60	81.5765	0.9251	1.44741	32.7363	8.4077	25.4363	25.4354
64	80.5798	0.9049	1.41112	32.7599	8.3638	25.4614	25.4605
68	80.3441	0.9066	1.37542	32.767	8.3422	25.4702	25.4691
72	79.7677	0.9084	1.35595	32.7716	8.3309	25.4754	25.4743
76	79.1367	0.9184	1.32806	32.7748	8.3233	25.4791	25.478
80	78.6692	0.9208	1.41694	32.7765	8.3199	25.481	25.4798

Station = 80900601
 Date & Time = Sept 9 2003 14:59
 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	67.5181	12.9987	6.17584	31.5182	12.7804	23.7394	23.7393
8	80.7156	13.9542	5.42473	31.7962	11.4245	24.2067	24.2065
12	84.5648	4.9117	4.14943	31.9594	10.6576	24.468	24.4678
16	85.4023	2.7229	3.58452	32.0611	10.2177	24.6217	24.6214
20	85.7512	1.568	3.17365	32.1225	9.973	24.7103	24.7099
24	86.1527	1.5128	2.96637	32.2064	9.7101	24.8187	24.8183
28	86.2221	1.0938	2.79224	32.2434	9.5751	24.8695	24.869
32	86.2399	1.0636	2.6498	32.2667	9.4844	24.9022	24.9016
36	86.2127	1.0157	2.5722	32.3105	9.3292	24.9611	24.9605
40	85.9854	1.011	2.35438	32.3863	9.1352	25.051	25.0503
44	85.6233	0.9891	2.11243	32.4902	8.903	25.1684	25.1677
48	84.9993	0.9692	1.88852	32.6028	8.6595	25.2938	25.293
52	84.5134	0.9792	1.65481	32.6894	8.4518	25.3929	25.3921
56	84.0887	0.92	1.46572	32.7249	8.3733	25.4325	25.4317
60	84.2829	0.9106	1.38505	32.7343	8.3334	25.4458	25.445
64	84.1028	0.9022	1.33313	32.7396	8.323	25.4515	25.4506
68	83.2979	0.9022	1.31813	32.7523	8.3175	25.4623	25.4613
72	82.4791	0.9078	1.29968	32.7558	8.325	25.464	25.4629
76	82.3472	0.9224	1.35246	32.7566	8.3257	25.4644	25.4633
80	81.5042	0.9224	1.3324	32.7634	8.3229	25.4702	25.469
84	80.507	0.9428	1.33803	32.7684	8.3221	25.4742	25.473
88	80.1148	0.9444	1.30709	32.771	8.3188	25.4768	25.4755
92	79.9597	0.9507	1.31368	32.7717	8.3177	25.4775	25.4761
96	79.6794	0.948	1.29737	32.7722	8.3176	25.4779	25.4764
100	79.5479	0.9416	1.28812	32.7735	8.3152	25.4793	25.4778
104	79.532	0.9342	1.27754	32.7773	8.3068	25.4835	25.4819
108	79.584	0.9308	1.21091	32.7793	8.3018	25.4858	25.4842

Station = 80900801
 Date & Time = Sept 9 2003 14:35
 Latitude = 49 1.92 N
 Longitude = 125 9.10 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	66.6907	9.3893	5.90714	31.1231	14.0031	23.1924	23.1923
8	77.4729	13.6925	5.74571	31.7336	11.7552	24.0983	24.0981
12	82.9877	8.401	4.69193	31.8825	10.9215	24.3626	24.3623
16	84.9365	4.0084	4.00376	31.9824	10.3713	24.5346	24.5343
20	85.7119	2.1776	3.55956	32.0536	10.0564	24.6428	24.6424
24	86.1674	1.4776	3.05555	32.1614	9.7869	24.7711	24.7707
28	86.2621	1.1736	2.78397	32.217	9.5631	24.8508	24.8503
32	86.2653	1.1017	2.5286	32.2638	9.3968	24.9139	24.9134
36	86.1627	1.0845	2.33662	32.3198	9.2621	24.979	24.9784
40	86.09	1.0532	2.21979	32.3673	9.1384	25.0356	25.035
44	85.8357	1.0207	2.05622	32.4428	8.9586	25.1226	25.1219
48	85.6039	0.9814	1.87377	32.5154	8.7844	25.2063	25.2056
52	85.032	0.9606	1.70241	32.6111	8.5972	25.3097	25.3089
56	84.898	0.951	1.52957	32.6772	8.4259	25.3873	25.3864
60	84.8116	0.9244	1.41627	32.7	8.3748	25.4128	25.4119
64	84.7414	0.926	1.38202	32.7188	8.3318	25.4339	25.433
68	84.7316	0.9213	1.32177	32.7237	8.3176	25.4399	25.4389
72	84.4019	0.9664	1.30248	32.738	8.2931	25.4547	25.4536
76	83.9749	0.9257	1.24961	32.749	8.2872	25.4643	25.4631
80	83.422	0.9227	1.25604	32.7555	8.296	25.468	25.4668
84	83.277	0.9237	1.25802	32.7576	8.2864	25.4711	25.4699
88	83.0737	0.9251	1.22966	32.7607	8.2811	25.4743	25.473
92	82.8229	0.9235	1.22386	32.7633	8.283	25.4761	25.4747
96	82.6824	0.9247	1.22487	32.7661	8.2839	25.4781	25.4767
100	82.4864	0.926	1.19942	32.7677	8.282	25.4797	25.4782
104	81.9204	0.9323	1.20896	32.7722	8.2863	25.4825	25.481
108	81.2624	0.9308	1.22878	32.7772	8.2885	25.4862	25.4846
112	80.8248	0.9382	1.15982	32.7816	8.2702	25.4923	25.4906
116	80.4539	0.9366	1.08182	32.784	8.2554	25.4964	25.4947
120	80.3687	0.9443	0.98312	32.7893	8.2404	25.5027	25.501
124	80.4154	0.9401	0.92127	32.7913	8.2326	25.5054	25.5036
128	80.2946	0.9315	0.83991	32.7956	8.2181	25.511	25.5091
132	80.7	0.9296	0.65091	32.8162	8.1853	25.532	25.53
136	81.6124	0.9502	0.41786	32.8447	8.1381	25.5613	25.5593
140	82.3439	0.9765	0.25122	32.8634	8.1065	25.5806	25.5786
144	82.2058	0.9637	0.16687	32.8815	8.0781	25.5989	25.5969
148	81.4315	0.9765	0.05094	32.9183	8.02	25.6363	25.6342
152	81.0219	0.9899	0.01397	32.9232	8.0123	25.6413	25.6391
156	82.0477	0.9962	0.01254	32.9251	8.0084	25.6434	25.6411

Station = 80900901
 Date & Time = Sept 9 2003 14:15
 Latitude = 49 2.48 N
 Longitude = 125 9.04 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	70.0813	8.0739	6.43986	31.4342	13.1177	23.6091	23.609
8	77.7233	13.2481	5.49193	31.7182	11.7275	24.0914	24.0912
12	81.8496	9.1282	4.86303	31.8159	11.1539	24.2701	24.2698
16	84.3961	4.823	4.31256	31.9445	10.4481	24.4921	24.4918
20	85.8331	2.1693	3.55395	32.0371	10.0042	24.6385	24.6381
24	86.1249	1.4788	3.07375	32.1272	9.7779	24.7459	24.7455
28	86.2083	1.3767	2.7132	32.2014	9.4817	24.8516	24.8511
32	86.1702	1.2704	2.48554	32.2586	9.3474	24.9177	24.9171
36	86.1364	1.2061	2.31972	32.306	9.2128	24.976	24.9754
40	86.0328	1.1051	2.23726	32.3495	9.1007	25.0276	25.0269
44	85.9614	1.0605	2.09414	32.4171	8.9421	25.1051	25.1044
48	85.6718	1.0276	1.96495	32.4888	8.8163	25.1806	25.1798
52	85.3907	1.0146	1.87331	32.5718	8.6451	25.2716	25.2708
56	85.0409	0.9987	1.67355	32.6605	8.4413	25.3719	25.371
60	84.9829	0.9837	1.53524	32.6979	8.3528	25.4144	25.4135
64	84.8158	0.9827	1.44331	32.7199	8.3257	25.4357	25.4347
68	84.4866	0.9812	1.41105	32.7284	8.3088	25.4448	25.4438
72	84.4065	0.9795	1.37327	32.7379	8.2915	25.4549	25.4538
76	84.173	0.9826	1.33242	32.7423	8.2825	25.4596	25.4585
80	83.9536	0.9819	1.31118	32.7447	8.2798	25.462	25.4608
84	83.6813	0.962	1.30221	32.7522	8.2756	25.4685	25.4672
88	83.3213	0.9629	1.26754	32.7557	8.271	25.4719	25.4706
92	83.275	0.9583	1.24238	32.7585	8.2664	25.4748	25.4734
96	83.376	0.96	1.23119	32.7614	8.2619	25.4777	25.4763
100	83.2787	0.9554	1.20824	32.7645	8.2612	25.4802	25.4788
104	82.7177	0.9518	1.20252	32.7693	8.2657	25.4833	25.4818
108	82.7221	0.9591	1.15482	32.7716	8.2549	25.4867	25.4851
112	82.4724	0.9541	1.13463	32.7757	8.2505	25.4906	25.489
116	82.3705	0.9524	1.03937	32.7797	8.2378	25.4956	25.4939
120	81.9418	0.9551	0.97705	32.7838	8.2282	25.5003	25.4985
124	82.2729	0.953	0.87528	32.7879	8.2122	25.5058	25.504
128	81.7495	0.9397	0.69056	32.8032	8.1913	25.5209	25.519
132	81.7341	0.9596	0.45248	32.8217	8.1623	25.5397	25.5377
136	81.7917	0.9632	0.27076	32.8392	8.1359	25.5573	25.5554
140	82.9495	0.9655	0.09428	32.8704	8.0887	25.5887	25.5867
144	85.442	0.9687	0.03906	32.8924	8.0531	25.6112	25.6091
148	85.3726	0.9662	0.0349	32.9088	8.0268	25.6279	25.6258
152	85.8846	0.9635	0.0247	32.9167	8.0091	25.6366	25.6345
156	85.9064	0.9592	0.02584	32.9191	8.0054	25.6391	25.6369
160	85.7058	0.9634	0.02021	32.9238	8.0009	25.6434	25.6411
164	85.2264	0.9685	0.0133	32.9293	7.9969	25.6483	25.6459
168	85.2685	0.9832	0.01611	32.9327	7.9925	25.6516	25.6492
172	85.358	0.9768	0.01266	32.9353	7.9905	25.654	25.6515

176	85.4697	0.9784	0.01504	32.9387	7.9863	25.6572	25.6547
180	84.8979	0.9915	0.01083	32.9422	7.9847	25.6602	25.6577
184	82.5787	1.0309	0.01045	32.9474	7.9863	25.6641	25.6615
188	81.5419	1.1453	0.0085	32.9508	7.9899	25.6662	25.6635
192	81.6858	1.2076	0.01102	32.9524	7.9923	25.6671	25.6643

Station = 80901101
 Date & Time = Sept 9 2003 13:59
 Latitude = 49 3.48 N
 Longitude = 125 8.85 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	69.9016	7.1024	5.90953	31.3987	13.2596	23.5539	23.5538
8	78.5678	12.5009	5.3471	31.782	11.4332	24.1941	24.1939
12	81.8584	7.1585	4.25857	31.878	10.7758	24.3843	24.3841
16	84.3385	4.7412	3.49463	32.0194	10.0631	24.6149	24.6146
20	85.6207	2.3492	2.92608	32.1233	9.6918	24.7568	24.7565
24	86.0242	1.6053	2.51012	32.1895	9.4963	24.84	24.8396
28	86.1314	1.4888	2.41447	32.2194	9.4034	24.8782	24.8777
32	86.0742	1.2122	2.18442	32.313	9.1619	24.9894	24.9889
36	85.9678	1.0816	1.92342	32.3859	8.9899	25.0733	25.0727

Station = 80901201
 Date & Time = Sept 9 2003 13:42
 Latitude = 49 3.94 N
 Longitude = 125 9.11 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	69.9644	8.623	5.93517	31.3082	13.5754	23.4214	23.4213
8	73.7113	14.4476	5.93342	31.7166	11.8532	24.0672	24.067
12	80.5916	13.6764	4.95947	31.8927	10.6679	24.4143	24.4141
16	83.904	6.1976	3.9107	32.0088	10.0672	24.606	24.6057
20	85.4617	3.0144	3.07611	32.1164	9.7197	24.7469	24.7466
24	86.0124	1.9747	2.72576	32.1929	9.4935	24.8431	24.8427
28	86.1912	1.4296	2.50159	32.2487	9.2945	24.9183	24.9179
32	86.1563	1.2492	2.19681	32.2983	9.1647	24.9775	24.977
36	86.0358	1.1709	1.99954	32.3553	9.0194	25.0448	25.0442
40	85.8313	1.1532	1.88536	32.3971	8.9482	25.0885	25.0879
44	85.6082	1.1034	1.76073	32.4405	8.8405	25.139	25.1383
48	85.4812	1.095	1.65551	32.4601	8.7989	25.1608	25.16
52	85.1362	1.0747	1.58003	32.4787	8.7453	25.1835	25.1827
56	84.9828	1.0603	1.36963	32.4867	8.7073	25.1955	25.1947
60	85.0405	1.0609	1.13494	32.4941	8.6893	25.2041	25.2032
64	85.2039	1.092	1.12835	32.5107	8.6864	25.2176	25.2166
68	84.6281	1.1133	0.76797	32.5258	8.6392	25.2365	25.2355
72	79.3996	1.1616	0.27725	32.5602	8.5734	25.2735	25.2724
76	79.2813	1.2189	0.11875	32.5857	8.5252	25.3007	25.2995
80	83.0879	1.2217	0.09932	32.6049	8.4928	25.3206	25.3194
84	84.8925	1.243	0.07868	32.6317	8.4476	25.3483	25.3471
88	85.9867	1.2241	0.07246	32.6407	8.4306	25.358	25.3567
92	86.1092	1.2132	0.06808	32.6434	8.4275	25.3605	25.3591
96	86.0766	1.222	0.06425	32.6446	8.4279	25.3615	25.36
100	85.963	1.2332	0.05971	32.6457	8.429	25.3621	25.3606
104	85.842	1.2628	0.06127	32.6468	8.4301	25.3628	25.3613
108	85.862	1.2847	0.06056	32.6474	8.4303	25.3633	25.3617

Station = 80901301
 Date & Time = Sept 9 2003 13:27
 Latitude = 49 4.50 N
 Longitude = 125 9.81 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	71.4095	7.762	6.01896	31.2332	13.9401	23.2902	23.29
8	69.4526	14.644	6.01129	31.6834	11.979	24.0183	24.0181
12	79.5239	18.6031	5.45494	31.8704	10.7766	24.3783	24.378
16	83.7397	7.0536	4.60079	31.9919	9.9993	24.6041	24.6038
20	85.3725	3.2644	3.48282	32.0841	9.6972	24.7253	24.725
24	85.9217	2.1067	2.73184	32.1507	9.4992	24.8092	24.8088
28	86.2315	1.6542	2.48145	32.2179	9.3274	24.889	24.8885
32	86.0925	1.3742	2.19502	32.2707	9.2037	24.9498	24.9493
36	85.9569	1.2339	2.01411	32.33	9.067	25.0176	25.017
40	85.7857	1.2012	1.89792	32.3854	8.9495	25.0791	25.0785
44	85.563	1.1465	1.81305	32.4238	8.8793	25.12	25.1193
48	85.4531	1.1277	1.68834	32.4479	8.8073	25.1499	25.1491
52	85.2369	1.091	1.5816	32.462	8.7675	25.167	25.1662
56	85.0694	1.0884	1.49295	32.475	8.7329	25.1825	25.1816
60	85.0452	1.0856	1.23138	32.4919	8.6865	25.2028	25.2018
64	85.1122	1.1589	0.86148	32.5114	8.6478	25.2239	25.2229
68	81.3967	1.1578	0.3942	32.5352	8.6053	25.249	25.248
72	79.5331	1.2166	0.1649	32.5655	8.5578	25.2799	25.2788
76	82.8889	1.2434	0.12724	32.5924	8.5139	25.3076	25.3065
80	84.0032	1.2432	0.10394	32.6096	8.4847	25.3255	25.3243
84	84.7763	1.2572	0.08006	32.6234	8.461	25.3398	25.3386
88	85.7462	1.2372	0.07418	32.6369	8.4363	25.3541	25.3528
92	85.9509	1.2381	0.07581	32.641	8.4308	25.3582	25.3568
96	85.845	1.2436	-9.99E-29	32.6444	8.4295	25.361	25.3596

Station = 80901401
 Date & Time = Sept 9 2003 13:13
 Latitude = 49 5.14 N
 Longitude = 125 10.67 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	73.3219	5.938	6.13966	31.3165	13.8832	23.366	23.3658
8	72.8042	9.7448	6.25756	31.7088	12.0049	24.0332	24.033
12	77.1295	14.4401	5.32962	31.8495	10.7734	24.3626	24.3623
16	82.8961	9.1327	3.89825	31.9441	9.9683	24.5719	24.5716
20	84.8878	3.5492	2.58079	32.0271	9.6495	24.6885	24.6882
24	85.437	2.5398	2.12368	32.0939	9.4808	24.7677	24.7673
28	85.6668	2.1248	1.68943	32.1665	9.2963	24.8538	24.8533
32	85.6083	1.641	1.56972	32.2271	9.179	24.9196	24.919
36	84.6503	1.5574	1.34783	32.305	9.035	25.003	25.0024
40	82.3911	1.5401	1.05956	32.3561	8.941	25.0575	25.0569
44	82.2818	1.5093	1.01401	32.3978	8.8671	25.1016	25.1009
48	81.794	1.5445	0.74083	32.438	8.791	25.1447	25.144
52	82.1518	1.7332	-9.99E-29	32.4643	8.7366	25.1735	25.1727

Station = 80901501
 Date & Time = Sept 9 2003 12:58
 Latitude = 49 5.54 N
 Longitude = 125 11.69 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	74.7136	5.1483	6.77678	31.39	13.8152	23.4364	23.4363
8	72.858	9.0439	6.42809	31.6943	12.1059	24.0033	24.0031
12	77.0772	12.9163	5.04951	31.8281	10.8671	24.3297	24.3294
16	83.0873	8.3278	2.7287	31.9275	9.9716	24.5584	24.5581
20	84.9007	3.5968	1.47528	32.0364	9.5054	24.7189	24.7186
24	85.0967	2.8071	1.24722	32.1319	9.3189	24.8232	24.8228
28	83.5954	2.1782	0.92746	32.2048	9.1885	24.9007	24.9002
32	80.0738	1.8485	0.71404	32.251	9.1081	24.9494	24.9489

Station = 80903101
 Date & Time = Sept 6 2003 10:28
 Latitude = 49 14.08 N
 Longitude = 126 1.89 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	76.9553	10.1851	4.10006	31.5815	12.3593	23.8685	23.8684
8	78.2152	7.4308	4.20226	31.65	12.2028	23.9509	23.9507
12	78.253	7.019	4.10083	31.6425	12.1652	23.9521	23.9518

Station = 80903201
 Date & Time = Sept 6 2003 10:10
 Latitude = 49 15.58 N
 Longitude = 126 2.22 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	76.8899	9.2652	4.04516	31.3464	12.6429	23.6327	23.6326
8	77.2011	9.4919	3.95312	31.3584	12.6198	23.6464	23.6462

Station = 80903301
 Date & Time = Sept 6 2003 9:32
 Latitude = 49 17.78 N
 Longitude = 126 2.19 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	75.9818	10.0527	3.9685	30.9267	13.2712	23.1868	23.1867
8	77.8682	8.2797	3.89151	31.0109	13.0084	23.303	23.3028
12	79.0681	6.6367	3.77765	31.0237	12.9162	23.3306	23.3303
16	79.248	6.1656	3.78967	31.0256	12.8941	23.3364	23.336
20	80.7133	5.7405	3.74417	31.0963	12.7044	23.4274	23.4269
24	82.4159	4.0548	3.52504	31.2069	12.3875	23.5729	23.5723
28	83.0157	2.8608	3.26404	31.2866	12.1379	23.6812	23.6806
32	83.021	2.4115	3.19565	31.2954	12.1042	23.6943	23.6935
36	82.887	2.3665	3.16615	31.3347	11.9915	23.7455	23.7447
40	83.4489	1.9008	3.1049	31.3922	11.8739	23.8117	23.8108
44	82.6454	1.6468	2.93687	31.4144	11.7056	23.8595	23.8586
48	82.5788	1.5562	2.75302	31.4265	11.6226	23.8839	23.8829

Station = 80903401
 Date & Time = Sept 6 2003 9:09
 Latitude = 49 18.69 N
 Longitude = 126 0.80 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	71.4993	6.9556	5.04466	30.6089	14.6613	22.6605	22.6604
8	76.3379	10.866	4.91867	30.8488	12.9056	23.1974	23.1972
12	81.8759	7.6741	3.76576	30.9249	12.5027	23.3329	23.3326
16	83.0549	4.7911	3.39107	31.034	12.6122	23.3966	23.3962
20	84.2358	3.3449	3.32877	31.0994	12.4907	23.4702	23.4697
24	84.8079	2.2945	3.18939	31.1383	12.2591	23.5437	23.5432
28	84.6807	1.7287	2.96194	31.188	12.1614	23.6004	23.5997
32	84.6052	1.6454	2.69165	31.1715	11.7312	23.6663	23.6656
36	84.5266	1.4945	2.26009	31.1704	11.4556	23.715	23.7142
40	84.1004	1.4203	2.2479	31.2498	11.3963	23.7872	23.7863
44	83.622	1.3901	2.25492	31.3345	11.4581	23.842	23.8411
48	83.5663	1.3701	2.04458	31.3161	11.1124	23.8887	23.8877
52	82.7506	1.332	2.22302	31.3963	11.3855	23.9029	23.9018
56	82.4054	1.3463	2.3177	31.413	11.4244	23.9089	23.9077
60	81.8995	1.3678	2.34958	31.4198	11.3943	23.9196	23.9183
64	81.7401	1.3373	2.26868	31.421	11.3817	23.9228	23.9214
68	81.6067	1.3521	2.32586	31.4307	11.3858	23.9296	23.9281
72	80.6052	1.3332	2.05699	31.4125	11.1957	23.9491	23.9476
76	80.2752	1.3056	1.90787	31.408	11.1627	23.9514	23.9498
80	79.8292	1.2991	1.82441	31.4084	11.1234	23.9586	23.9569
84	79.3952	1.2943	1.82153	31.4154	11.1308	23.9627	23.961
88	79.1749	1.309	1.78396	31.4152	11.117	23.965	23.9632
92	78.9987	1.2978	1.83084	31.4294	11.1467	23.9708	23.9689
96	78.822	1.3009	1.8283	31.4302	11.1421	23.9722	23.9702
100	78.5318	1.2991	1.7983	31.4306	11.1416	23.9726	23.9706
104	78.2727	1.3078	1.81434	31.4319	11.1385	23.9742	23.972

Station = 80903501
 Date & Time = Sept 6 2003 8:41
 Latitude = 49 19.65 N
 Longitude = 125 58.82 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	78.6885	5.2777	5.1705	30.5534	13.3963	22.8738	22.8737
8	79.6874	6.5069	4.07369	30.8544	12.3116	23.314	23.3138
12	83.6105	5.0741	3.1106	30.9343	12.2437	23.3885	23.3882
16	84.8438	3.0311	3.01168	31.0556	12.3183	23.4686	23.4683
20	85.2344	2.1899	2.89609	31.0864	12.0297	23.5459	23.5455
24	85.2021	1.754	2.41381	31.0849	11.4129	23.6561	23.6556
28	85.2153	1.4942	1.57352	31.0516	10.8731	23.7246	23.724
32	84.8487	1.4099	1.41653	31.14	10.784	23.8086	23.808
36	84.7525	1.3558	1.32772	31.1765	10.6795	23.8548	23.8541
40	84.919	1.3543	1.06394	31.1954	10.5107	23.8981	23.8973
44	84.0979	1.3301	1.12203	31.2386	10.6212	23.913	23.9122
48	83.823	1.3188	1.19662	31.2686	10.6827	23.926	23.925
52	83.4588	1.3078	1.21662	31.2853	10.7034	23.9354	23.9344
56	83.3471	1.2892	1.13812	31.2826	10.6428	23.9436	23.9425
60	82.9706	1.2921	1.10707	31.3026	10.7084	23.948	23.9468
64	83.3016	1.2851	1.14004	31.3081	10.6966	23.9543	23.9531
68	82.8477	1.285	1.20695	31.3248	10.7624	23.9561	23.9547
72	82.706	1.2887	1.15365	31.3166	10.6964	23.961	23.9596
76	82.3448	1.2748	0.97773	31.3082	10.6228	23.967	23.9655
80	81.9835	1.2732	0.87208	31.3044	10.574	23.9723	23.9708
84	81.6813	1.2722	0.85315	31.3108	10.5805	23.9762	23.9745
88	81.494	1.2837	0.79513	31.3095	10.5505	23.9803	23.9786
92	81.2052	1.2851	0.70316	31.3102	10.5266	23.9848	23.983
96	81.236	1.2783	0.63153	31.3074	10.5003	23.987	23.9852
100	81.3386	1.282	0.59189	31.3055	10.4863	23.9879	23.986
104	81.2787	1.285	0.52005	31.3019	10.4527	23.9908	23.9888
108	81.3956	1.2947	0.42547	31.2988	10.4223	23.9935	23.9914
112	81.5819	1.3014	0.35021	31.2955	10.3894	23.9964	23.9943
116	81.8157	1.3056	0.28432	31.2917	10.3639	23.9977	23.9955
120	82.3209	1.3013	0.2092	31.2855	10.3095	24.002	23.9997

Station = 80903601
 Date & Time = Sept 6 2003 8:07
 Latitude = 49 21.68 N
 Longitude = 125 56.91 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	77.5112	8.3896	5.18069	30.6449	12.383	23.1384	23.1383
8	76.0112	8.0453	4.07005	30.7403	11.8235	23.3151	23.3149
12	84.3619	8.057	2.92969	30.8093	11.6381	23.402	23.4017
16	85.763	3.1829	2.21993	30.8354	11.2437	23.4921	23.4918
20	86.1543	2.0069	1.78088	30.8424	10.9711	23.545	23.5446
24	86.0335	1.7229	1.26233	30.8585	10.6052	23.6199	23.6194
28	85.7482	1.638	1.1951	30.9562	10.7458	23.6721	23.6716
32	85.6146	1.6081	1.01376	31.0044	10.6193	23.7311	23.7305
36	85.5199	1.5475	0.96657	31.0936	10.5739	23.8082	23.8075
40	85.3938	1.4817	0.94917	31.1238	10.4769	23.848	23.8472
44	85.511	1.4603	0.77035	31.1389	10.3852	23.8751	23.8743
48	85.4238	1.4474	0.89614	31.1823	10.4325	23.901	23.9001
52	85.5364	1.4213	0.95588	31.2051	10.4397	23.9175	23.9166
56	85.5347	1.4278	0.97573	31.2209	10.4497	23.9282	23.9271
60	85.5066	1.4079	0.95103	31.2281	10.4329	23.9366	23.9355
64	85.2449	1.4011	0.97858	31.2467	10.4865	23.9421	23.9409
68	84.5601	1.404	1.05003	31.2735	10.5636	23.9499	23.9486
72	84.0528	1.4045	1.02332	31.2842	10.58	23.9555	23.9541
76	84.1171	1.4041	0.98074	31.2793	10.5361	23.9592	23.9577
80	83.5012	1.3912	0.85155	31.2727	10.483	23.963	23.9614
84	83.3754	1.3875	0.83784	31.2867	10.5182	23.9679	23.9663
88	82.6266	1.3889	0.83395	31.2994	10.5367	23.9747	23.973
92	82.2409	1.3908	0.74416	31.2966	10.4977	23.9791	23.9773
96	82.0752	1.4277	0.63014	31.2906	10.4504	23.9824	23.9806
100	82.0952	1.3824	0.48914	31.2816	10.3781	23.9874	23.9856
104	82.4759	1.3862	0.30585	31.2717	10.3096	23.9912	23.9892
108	82.8156	1.3862	0.24634	31.2737	10.2983	23.9946	23.9926
112	83.307	1.3903	0.16231	31.2709	10.2645	23.998	23.9959
116	83.1841	1.3968	0.07668	31.2676	10.2392	23.9997	23.9975
120	83.0836	1.4104	0.05602	31.2698	10.2426	24.0009	23.9987
124	83.4258	1.4008	0.05922	31.2736	10.2457	24.0033	24.001
128	83.4982	1.4023	0.01343	31.2709	10.2235	24.0049	24.0025
132	82.549	1.4022	0.00608	31.2742	10.2238	24.0074	24.0049
136	82.5769	1.4013	-0.01737	31.2711	10.198	24.0092	24.0067

Station = 80903701
 Date & Time = Sept 6 2003 7:35
 Latitude = 49 23.57 N
 Longitude = 125 56.29 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	75.4741	11.0397	5.50592	30.6044	11.773	23.2187	23.2186
8	74.4945	11.149	4.34057	30.6831	11.443	23.3387	23.3386
12	84.0441	8.5044	2.60201	30.7168	11.1491	23.4165	23.4163
16	85.6032	2.8053	2.03901	30.7718	11.0736	23.4723	23.472
20	85.9246	2.123	1.53211	30.779	10.6635	23.5482	23.5478
24	85.7317	1.7248	1.04677	30.831	10.3344	23.6437	23.6433
28	85.784	1.6513	0.49473	30.908	10.247	23.7182	23.7177
32	85.8605	1.5515	0.4042	30.992	10.2593	23.7816	23.781
36	85.9035	1.507	0.34505	31.0512	10.2441	23.8302	23.8295
40	85.7816	1.4906	0.28749	31.106	10.2493	23.8721	23.8713
44	85.4917	1.4621	0.49058	31.1511	10.3233	23.8949	23.8941
48	85.6542	1.4724	0.58218	31.1708	10.3088	23.9127	23.9118
52	85.5645	1.4715	0.56117	31.1865	10.32	23.9231	23.9221
56	85.3674	1.4443	0.58547	31.2007	10.325	23.9333	23.9323
60	85.0139	1.4523	0.47978	31.2067	10.3218	23.9385	23.9374
64	84.9784	1.4479	0.49083	31.2144	10.3503	23.9398	23.9386
68	84.7533	1.4506	0.73816	31.2475	10.4481	23.9492	23.9479
72	84.0483	1.4416	0.64373	31.2477	10.3904	23.959	23.9577
76	83.5194	1.4289	0.54414	31.2494	10.3728	23.9633	23.9618
80	83.1751	1.4266	0.46084	31.2506	10.3552	23.9672	23.9657
84	83.1122	1.4188	0.46667	31.2549	10.3704	23.968	23.9664
88	82.9147	1.4219	0.49087	31.2605	10.3692	23.9725	23.9709
92	82.8642	1.4512	0.41506	31.2612	10.3459	23.9769	23.9752
96	82.9987	1.4154	0.34154	31.2598	10.315	23.981	23.9792
100	83.0706	1.4217	0.24563	31.2584	10.2853	23.9848	23.983
104	83.1588	1.4167	0.1902	31.2599	10.2682	23.9889	23.9869
108	82.7812	1.4251	0.10299	31.2595	10.236	23.9939	23.9919
112	82.3341	1.4343	0.06275	31.2616	10.23	23.9965	23.9945
116	82.1535	1.4332	0.054	31.2638	10.2271	23.9988	23.9966
120	81.0733	1.4349	0.03082	31.2643	10.221	24.0001	23.9979

Station = 80903801
 Date & Time = Sept 6 2003 7:05
 Latitude = 49 24.73 N
 Longitude = 125 54.50 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	71.5059	12.098	4.15091	30.5214	11.2064	23.2546	23.2546
8	83.1398	11.9968	2.15301	30.5886	10.597	23.4112	23.411
12	85.5864	3.533	1.0414	30.6191	10.3454	23.4769	23.4767
16	85.7028	2.2835	0.77612	30.6747	10.2977	23.528	23.5277
20	85.6259	2.0496	0.45139	30.7341	10.2149	23.5879	23.5876
24	85.6881	1.7863	0.38122	30.8244	10.1999	23.6608	23.6603
28	86.0245	1.6772	0.18924	30.9529	10.1822	23.7638	23.7633
32	86.0407	1.6023	0.12985	31.0365	10.2009	23.8259	23.8254
36	85.8789	1.5814	0.11828	31.089	10.2118	23.865	23.8644
40	85.6171	1.568	0.12362	31.1236	10.2203	23.8906	23.8899
44	85.3061	2.0856	0.12824	31.1439	10.2291	23.905	23.9042
48	85.2082	1.689	0.14776	31.1632	10.2355	23.919	23.9181
52	84.9188	1.5479	0.13031	31.1746	10.2349	23.928	23.927
56	84.9143	1.5494	0.09363	31.1864	10.2339	23.9373	23.9363
60	84.8089	1.5465	0.09992	31.1925	10.2357	23.9418	23.9407
64	84.7059	1.5634	0.09045	31.2004	10.2366	23.9478	23.9466
68	84.5083	1.5442	0.08715	31.21	10.2387	23.9548	23.9536
72	84.4623	1.5387	0.07511	31.2154	10.2393	23.959	23.9577
76	84.3247	1.5384	0.07161	31.2182	10.2384	23.9613	23.9599
80	84.4305	1.5244	0.05296	31.2226	10.2326	23.9657	23.9642
84	83.492	1.5654	0.03061	31.2299	10.2282	23.9721	23.9706
88	82.631	1.5641	0.02578	31.2344	10.2272	23.9758	23.9741

Station = 80903901
 Date & Time = Sept 5 2003 18:24
 Latitude = 49 21.15 N
 Longitude = 126 4.10 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	73.1941	9.5582	5.46117	30.9135	13.7754	23.0766	23.0765
8	80.8559	7.7656	4.50991	31.0032	13.0931	23.2806	23.2804
12	83.0777	4.5214	3.792	31.0569	12.8659	23.366	23.3657
16	84.5531	2.8649	3.53418	31.1445	12.6199	23.4807	23.4803
20	84.9482	2.0632	3.40205	31.1814	12.4549	23.5405	23.54
24	84.7329	1.8907	3.35543	31.2278	12.3299	23.5999	23.5993
28	84.9666	1.8226	3.46158	31.2854	12.2778	23.6543	23.6536
32	84.7378	1.834	3.59934	31.3746	12.1304	23.7508	23.7501
36	84.5022	1.9172	3.5056	31.4583	11.9289	23.8529	23.8521
40	84.3055	1.9579	3.45516	31.4941	11.8565	23.8939	23.893
44	84.1972	1.9608	3.45392	31.5264	11.7894	23.9312	23.9302
48	84.258	1.8694	3.39094	31.5468	11.7121	23.9611	23.96
52	84.3032	1.8236	3.27232	31.5685	11.619	23.9948	23.9937
56	84.5208	1.639	3.15602	31.5791	11.5379	24.0177	24.0165
60	84.6965	1.4567	2.87778	31.5768	11.4151	24.0379	24.0366
64	84.5192	1.3411	2.73246	31.5741	11.3486	24.0476	24.0463
68	84.0776	1.2768	2.45816	31.5703	11.254	24.0615	24.06
72	83.5685	1.2678	2.26358	31.5665	11.1908	24.0696	24.0681
76	83.269	1.2575	2.18371	31.5685	11.1856	24.0721	24.0705
80	82.5295	1.2686	2.19316	31.5833	11.2165	24.0782	24.0765
84	82.294	1.2749	2.21958	31.5889	11.2211	24.0818	24.08
88	82.23	1.3271	2.3027	31.6019	11.2526	24.0863	24.0844
92	83.4713	1.3972	2.58942	31.6246	11.3269	24.0907	24.0888
96	84.1648	1.4352	2.83342	31.6398	11.3565	24.0973	24.0952
100	83.6335	1.4838	3.04908	31.6552	11.3714	24.1066	24.1045

Station = 80904001
 Date & Time = Sept 6 2003 12:19
 Latitude = 49 21.18 N
 Longitude = 125 47.33 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	79.7545	22.1446	4.80013	29.8955	13.9675	22.2526	22.2525
8	85.0637	4.9153	3.39567	29.9569	13.8044	22.3326	22.3324
12	85.4835	1.8133	3.17468	30.0267	13.7129	22.4046	22.4043
16	85.5654	1.422	3.08196	30.0967	13.6119	22.4786	22.4782
20	85.3443	1.3903	2.97988	30.1992	13.6056	22.559	22.5584
24	83.4465	1.3896	3.45144	30.3673	13.7485	22.6604	22.6597
28	82.073	1.4036	3.59562	30.4569	13.7033	22.7385	22.7378
32	81.9633	1.4407	3.45599	30.5332	13.6175	22.8145	22.8137
36	81.5414	1.4848	3.29995	30.5765	13.5612	22.8591	22.8582
40	81.5509	1.4072	3.21278	30.6235	13.5083	22.9059	22.9048
44	81.0986	1.3862	3.0828	30.6578	13.4602	22.9418	22.9407
48	80.4313	1.404	3.11218	30.6675	13.4464	22.9521	22.9508
52	79.4592	1.4145	3.11283	30.6792	13.4282	22.9647	22.9633
56	78.3633	1.4331	3.18229	30.6901	13.4139	22.9759	22.9744
60	77.3993	1.5433	3.5674	30.7007	13.4034	22.9862	22.9846
64	76.4987	1.5905	3.72056	30.713	13.3879	22.9987	22.9971
68	74.4985	1.6764	3.81327	30.7313	13.3654	23.0173	23.0155
72	72.6674	1.7303	3.83862	30.746	13.3501	23.0316	23.0297

Station = 80904101
 Date & Time = Sept 6 2003 12:42
 Latitude = 49 20.13 N
 Longitude = 125 48.23 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	78.2	19.1348	4.20117	29.9309	14.1027	22.2527	22.2526
8	83.2406	6.0272	3.30646	29.9656	13.9331	22.3136	22.3133
12	84.6306	2.8034	3.20069	29.9896	13.8727	22.3442	22.3438
16	85.2096	2.0622	3.26174	30.0404	13.8014	22.3976	22.3971
20	85.193	1.612	3.26656	30.0947	13.7663	22.4465	22.446
24	84.839	1.5362	3.42895	30.195	13.8177	22.5136	22.513
28	84.6051	1.5054	3.61277	30.2426	13.8088	22.5521	22.5514
32	83.8632	1.5151	3.78449	30.3354	13.8016	22.6252	22.6243
36	82.9547	1.5739	3.80831	30.4252	13.7437	22.706	22.7051
40	82.0156	1.5924	3.78072	30.5015	13.6666	22.7803	22.7793
44	81.3006	1.6028	3.69569	30.5501	13.6055	22.83	22.8288
48	80.884	1.5594	3.50533	30.6034	13.5386	22.8844	22.8831
52	79.8383	1.5365	3.45385	30.6446	13.4832	22.9271	22.9258
56	79.4705	1.5674	3.49708	30.6567	13.4674	22.9396	22.9381
60	77.1631	1.6813	3.78935	30.6892	13.4275	22.9725	22.9709
64	73.8883	1.8654	3.8922	30.7227	13.3861	23.0066	23.0049

Station = 80904201
 Date & Time = Sept 6 2003 13:26
 Latitude = 49 16.16 N
 Longitude = 125 49.19 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	76.7857	21.7426	5.62288	30.0251	14.3428	22.2766	22.2764
8	80.6476	8.4625	4.28594	30.0605	14.2471	22.3233	22.3231
12	83.4034	4.8653	3.92929	30.115	14.084	22.3984	22.3981
16	84.0545	2.5197	3.8585	30.251	13.9852	22.5232	22.5228
20	83.9391	2.22	3.90076	30.2902	13.9409	22.5625	22.5619
24	83.7953	2.0362	3.90454	30.3502	13.8712	22.6227	22.622
28	83.5325	2.133	4.04187	30.3888	13.8242	22.6619	22.6611
32	83.299	1.9311	4.04089	30.4313	13.7734	22.7048	22.704
36	83.0065	1.7454	3.99944	30.4731	13.7214	22.7474	22.7465
40	83.0152	1.8007	4.04869	30.498	13.69	22.7729	22.7719
44	83.078	1.9015	4.12834	30.5696	13.606	22.8449	22.8437
48	81.6812	1.9792	4.12829	30.6726	13.4739	22.9505	22.9493
52	79.8245	2.4805	4.17652	30.7405	13.4459	23.0085	23.0072
56	78.4962	3.8121	-9.99E-29	30.8531	13.3541	23.1136	23.1122

Station = 80904301
 Date & Time = Sept 8 2003 7:57
 Latitude = 49 14.21 N
 Longitude = 125 45.54 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	79.3827	6.0107	4.0741	29.5307	14.6309	21.8366	21.8365
8	80.6081	4.5275	4.01544	29.6592	14.493	21.964	21.9637
12	81.3546	3.6832	3.89229	29.7449	14.4213	22.0446	22.0443
16	80.6571	3.7655	4.1162	29.8309	14.3747	22.1204	22.12
20	80.551	4.3303	4.27979	29.901	14.3244	22.1847	22.1841
24	80.6297	4.4136	4.21294	29.9704	14.2675	22.2498	22.2491
28	80.5842	4.1559	4.32756	30.0192	14.2251	22.296	22.2952
32	80.6501	3.9924	4.37658	30.0379	14.2118	22.3131	22.3122
36	80.6981	4.0283	4.39489	30.0645	14.1927	22.3375	22.3365
40	80.7541	3.9287	4.40073	30.098	14.1575	22.3705	22.3694
44	80.6953	3.6699	4.37242	30.1164	14.1457	22.387	22.3858
48	80.6613	3.5307	4.3817	30.116	14.147	22.3865	22.3851
52	80.5583	3.5335	4.39964	30.1168	14.1495	22.3866	22.3852
56	80.5291	3.2075	4.33761	30.1214	14.151	22.3898	22.3882
60	80.4636	3.1795	4.36706	30.1225	14.15	22.3909	22.3892
64	80.2845	3.1187	4.33384	30.1237	14.1489	22.392	22.3902
68	80.6714	3.1368	4.3671	30.1237	14.1459	22.3926	22.3907
72	80.2811	3.1455	4.36752	30.1298	14.1391	22.3987	22.3967
76	78.3558	3.1117	4.37416	30.1407	14.1321	22.4086	22.4064
80	78.438	3.0432	4.34275	30.1436	14.1289	22.4114	22.4092
84	78.0149	3.1762	4.34541	30.1462	14.1262	22.414	22.4116
88	78.3937	3.2023	4.36664	30.1482	14.1217	22.4164	22.414
92	78.0693	3.234	4.39635	30.1491	14.1209	22.4173	22.4147
96	78.045	3.2351	4.38461	30.1513	14.1167	22.4199	22.4172
100	78.9458	3.4429	4.35095	30.1534	14.1096	22.4229	22.4201
104	79.9928	3.568	4.40765	30.1537	14.1034	22.4243	22.4214
108	80.2023	3.6685	4.40591	30.1544	14.1022	22.4251	22.4221
112	80.2107	3.6073	4.41533	30.1556	14.1016	22.4262	22.4231
116	80.2874	3.6109	4.44775	30.1592	14.0991	22.4295	22.4262
120	80.2908	3.6951	4.44482	30.1666	14.0918	22.4367	22.4333
124	80.0145	3.6232	4.43779	30.1743	14.0838	22.4442	22.4408
128	80.0421	3.5269	4.43318	30.1822	14.0761	22.4519	22.4483

Station = 80904401
 Date & Time = Sept 8 2003 7:27
 Latitude = 49 11.18 N
 Longitude = 125 45.79 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	77.3579	4.8345	3.6868	29.5845	14.4644	21.9122	21.9121
8	77.7252	4.2146	3.78457	29.6374	14.4407	21.9578	21.9576
12	78.2794	3.9677	3.87001	29.6893	14.4192	22.0022	22.0019
16	78.5462	3.6667	3.97524	29.7251	14.404	22.0329	22.0324
20	78.6912	3.5878	4.12693	29.7425	14.3973	22.0477	22.0471
24	78.8335	3.463	4.14188	29.7533	14.3951	22.0565	22.0558
28	79.3918	3.3495	4.15542	29.7835	14.3847	22.0819	22.0811
32	80.2404	3.2562	4.16579	29.8342	14.3555	22.1269	22.1259
36	81.3058	2.6955	4.14817	29.9757	14.2726	22.2528	22.2518
40	81.4621	2.7161	4.2338	30.047	14.2277	22.3169	22.3157
44	81.4191	2.7983	4.27394	30.0696	14.2091	22.3381	22.3369
48	80.9798	2.8138	4.27818	30.0797	14.2061	22.3465	22.3452
52	81.2517	2.8113	4.31903	30.0906	14.199	22.3563	22.3549
56	81.3348	2.7951	4.34013	30.1009	14.1934	22.3654	22.3638
60	81.273	2.8629	4.33989	30.1201	14.1833	22.3823	22.3806
64	79.8149	2.811	4.3469	30.1306	14.1727	22.3925	22.3907
68	79.3158	2.8626	4.35629	30.1325	14.1705	22.3944	22.3925
72	79.5776	2.8446	4.36237	30.1349	14.1692	22.3966	22.3945
76	79.2363	2.779	4.31294	30.1363	14.1676	22.3979	22.3958
80	79.4542	2.8639	4.37967	30.1363	14.1675	22.3979	22.3957

Station = 80904501
 Date & Time = Sept 7 2003 9:16
 Latitude = 49 7.53 N
 Longitude = 125 45.86 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	72.9272	16.0534	4.26439	28.5837	14.9236	21.0475	21.0474
8	76.3244	11.3873	4.15961	28.7117	14.9486	21.1407	21.1405
12	77.8057	6.9166	4.07835	29.0116	14.7994	21.4023	21.4019
16	78.7978	5.157	3.91253	29.1784	14.6642	21.5586	21.5581
20	79.5299	4.7265	3.91588	29.2356	14.6159	21.6125	21.6119
24	80.4208	4.2436	3.80512	29.2786	14.5622	21.6567	21.656
28	81.0317	3.7676	3.94242	29.3055	14.5422	21.6815	21.6807
32	80.5096	3.5175	3.99638	29.4291	14.5077	21.7837	21.7828
36	79.2868	3.392	4.12115	29.5264	14.4817	21.864	21.8629
40	78.2779	3.4411	4.16345	29.5398	14.4823	21.8742	21.873

Station = 80904601
 Date & Time = Sept 7 2003 9:39
 Latitude = 49 8.05 N
 Longitude = 125 43.01 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	68.418	17.8881	4.74779	28.5817	14.414	21.1503	21.1502
8	82.3167	19.1483	3.53295	28.8639	14.0771	21.4354	21.4352
12	85.2962	2.9716	3.23739	28.9997	14.2756	21.5002	21.4998
16	85.9733	1.6942	3.42901	29.1046	14.3877	21.5583	21.5579
20	85.6453	1.5615	3.58831	29.1718	14.4307	21.6013	21.6008
24	84.2578	1.5983	3.63922	29.235	14.4611	21.6438	21.6431
28	83.9004	1.6631	3.74869	29.249	14.4697	21.6528	21.652
32	83.7452	1.6786	3.84075	29.2719	14.4775	21.6689	21.6679
36	82.9085	1.8767	3.98245	29.3303	14.5057	21.7081	21.707
40	82.5163	2.2622	4.12133	29.3588	14.5301	21.725	21.7239
44	81.3614	2.6181	4.16432	29.4064	14.5283	21.762	21.7608
48	80.3062	3.038	4.18147	29.4571	14.5183	21.8031	21.8018
52	78.473	3.306	4.1769	29.5801	14.483	21.905	21.9035
56	73.3042	3.3729	-9.99E-29	29.6951	14.4429	22.0018	22.0002

Station = 80904801
 Date & Time = Sept 7 2003 11:24
 Latitude = 49 11.76 N
 Longitude = 125 40.39 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	77.297	13.6003	5.01256	28.6142	13.8883	21.2804	21.2803
8	85.0187	6.3248	3.53568	28.8483	14.0714	21.4245	21.4242
12	85.6893	2.0908	3.26272	28.9357	14.1916	21.4678	21.4675
16	85.3525	1.7197	3.28595	28.992	14.2591	21.4976	21.4972
20	85.2955	1.76	3.36678	29.0275	14.308	21.515	21.5145
24	85.1911	1.6554	3.33044	29.0627	14.2868	21.5465	21.5458
28	84.5511	1.6161	3.28543	29.1196	14.277	21.5923	21.5915
32	75.6336	1.51	2.53686	29.3193	13.8334	21.835	21.8341
36	84.5573	1.8042	0.29806	29.7179	12.9382	22.3165	22.3156
40	84.7303	2.0286	0.11243	29.7142	12.9346	22.3143	22.3133
44	84.8443	2.0358	0.06893	29.7169	12.9445	22.3145	22.3134
48	84.6754	1.9878	0.00829	29.7134	12.9512	22.3106	22.3094

Station = 80904802
 Date & Time = Sept 7 2003 11:51
 Latitude = 49 11.79 N
 Longitude = 125 40.37 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	78.3839	15.9059	4.73111	28.6583	13.8854	21.3149	21.3148
8	84.834	3.8302	3.06342	28.838	14.0665	21.4176	21.4174
12	85.6793	1.9034	2.96934	28.9302	14.1883	21.4642	21.4639
16	85.5763	1.5913	3.02823	28.9858	14.2427	21.4961	21.4956
20	85.3888	1.6388	3.13725	29.02	14.2934	21.5122	21.5117
24	85.2717	1.564	3.12777	29.0586	14.2822	21.5442	21.5436
28	84.9166	1.4886	2.98573	29.0938	14.22	21.5839	21.5831
32	83.6274	1.5358	2.32939	29.29	13.8874	21.8016	21.8008
36	84.8519	2.0093	-0.15338	29.7379	12.8674	22.3454	22.3445

Station = 80904901
 Date & Time = Sept 7 2003 11:00
 Latitude = 49 9.92
 Longitude = 125 41.40

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	69.7502	40.3814	6.23684	28.6354	13.8211	21.31	21.3099
8	83.2564	9.7745	4.09945	28.878	14.0478	21.4521	21.4519
12	85.9107	2.3242	3.29679	29.0692	14.3683	21.5349	21.5346
16	85.856	1.6113	3.53104	29.1616	14.4253	21.5946	21.5941
20	85.6821	1.5441	3.61621	29.186	14.4356	21.6112	21.6106
24	85.4441	1.5339	3.68295	29.2037	14.4458	21.6228	21.6221
28	84.1774	1.5707	3.71914	29.2462	14.4618	21.6523	21.6515
32	84.3349	1.6176	3.91111	29.2849	14.4894	21.6765	21.6755
36	84.2942	1.6697	3.99688	29.3159	14.5089	21.6963	21.6953
40	84.0571	1.6753	4.07231	29.3479	14.5209	21.7185	21.7173
44	83.7465	1.7497	4.09966	29.3727	14.5256	21.7366	21.7353
48	82.5205	1.7502	4.08493	29.4221	14.5121	21.7774	21.776
52	80.6888	1.8232	4.04765	29.4671	14.5128	21.8119	21.8104
56	79.0272	2.0308	4.09078	29.5108	14.5127	21.8456	21.844
60	77.0515	2.033	4.11215	29.5556	14.5019	21.8823	21.8806
64	72.0497	2.102	4.10531	29.5863	14.4938	21.9076	21.9058

Station = 80904902
 Date & Time = Sept 7 2003 12:21
 Latitude = 49 9.68 N
 Longitude = 125 39.91 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	61.0577	43.608	6.79087	28.4703	13.4925	21.2467	21.2466
8	81.4572	22.723	3.798	28.8744	14.105	21.4379	21.4377
12	85.8718	2.6036	3.29778	29.0323	14.2435	21.5318	21.5314
16	86.0293	1.4087	3.18825	29.0991	14.2869	21.5745	21.574
20	85.8407	1.3426	3.38019	29.1781	14.3895	21.6146	21.614
24	85.4193	1.3284	3.52968	29.2082	14.4206	21.6314	21.6307
28	84.954	1.3439	3.66093	29.2355	14.4407	21.6483	21.6475
32	84.7	1.4359	3.80514	29.2621	14.4678	21.6633	21.6624
36	84.0407	1.5875	3.97368	29.3398	14.5059	21.7153	21.7143
40	83.2084	1.7524	4.09245	29.4091	14.5277	21.7642	21.7631
44	82.326	1.8303	4.15278	29.4413	14.5286	21.7888	21.7876
48	80.94	2.3064	4.19608	29.4754	14.524	21.8161	21.8147
52	79.8403	2.6496	4.20275	29.5	14.5191	21.836	21.8345
56	78.9898	2.5583	4.17836	29.5153	14.5154	21.8485	21.8469
60	78.6596	2.5133	4.17684	29.524	14.5134	21.8557	21.8539
64	78.2784	2.4246	4.16731	29.5307	14.5115	21.8612	21.8594
68	77.3251	2.5372	4.16448	29.5429	14.5082	21.8712	21.8693
72	76.7885	2.5376	4.1802	29.5479	14.507	21.8753	21.8732
76	75.6805	2.4952	4.18108	29.5536	14.5052	21.8801	21.8779

Station = 80905001
 Date & Time = Sept 7 2003 13:03
 Latitude = 49 11.74 N
 Longitude = 125 38.98 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	66.3371	46.0958	6.032	28.5563	13.498	21.3119	21.3118
8	84.6396	10.1471	3.19328	28.8977	13.9979	21.4772	21.477
12	85.896	1.5692	3.16703	29.0573	14.2204	21.5556	21.5553
16	86.2514	1.2486	3.14992	29.1079	14.2714	21.5844	21.5839
20	86.0441	1.1964	3.27887	29.176	14.3757	21.6157	21.6151
24	85.5826	1.1891	3.20675	29.1853	14.327	21.6328	21.6321
28	85.2075	1.1789	3.16853	29.1959	14.3094	21.6445	21.6437
32	84.841	1.1863	3.30336	29.2239	14.3236	21.6632	21.6623
36	84.5404	1.2092	3.4565	29.2483	14.3488	21.6769	21.6758
40	84.3581	1.2089	3.49607	29.2601	14.3273	21.6903	21.6892
44	84.2019	1.2293	3.59596	29.2889	14.3608	21.7057	21.7045
48	84.1253	1.254	3.66113	29.3091	14.3753	21.7183	21.7169
52	84.071	1.2778	3.73351	29.3329	14.4025	21.7311	21.7297
56	83.8517	1.3164	3.81447	29.3663	14.4373	21.7498	21.7482
60	83.6784	1.3467	3.84413	29.3808	14.4438	21.7596	21.7579
64	83.4187	1.3835	3.88993	29.3972	14.4624	21.7684	21.7666
68	83.283	1.4344	3.89487	29.4031	14.4565	21.7742	21.7722
72	83.1995	1.4107	3.85072	29.407	14.4163	21.7854	21.7834
76	82.721	1.4136	3.75106	29.418	14.367	21.8039	21.8017
80	82.2424	1.4757	3.80554	29.4395	14.4029	21.8131	21.8109
84	81.7398	1.5548	3.85612	29.4545	14.3934	21.8266	21.8242
88	81.1627	1.5739	3.80575	29.4672	14.3802	21.8391	21.8366
92	81.0794	1.562	3.41456	29.4363	14.1584	21.8602	21.8576
96	80.6868	1.4443	2.90661	29.4008	13.9079	21.883	21.8804
100	78.0949	1.3823	1.30763	29.3092	13.0918	21.9714	21.9689
104	77.0816	1.327	0.51935	29.282	12.8325	21.9994	21.9969
108	76.2721	1.3248	0.31092	29.2884	12.742	22.0214	22.0188
112	76.2279	1.3417	0.21179	29.2933	12.6865	22.0355	22.0329
116	74.099	1.3319	0.14897	29.3016	12.6239	22.0536	22.0509
120	72.1454	1.3265	-9.99E-29	29.3074	12.5819	22.0659	22.0631

Station = 80905101
 Date & Time = Sept 7 2003 14:00
 Latitude = 49 13.77 N
 Longitude = 125 35.83 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	55.8393	34.9574	7.78221	28.3835	13.2395	21.2281	21.228
8	84.4059	30.9777	3.75487	28.7187	13.5107	21.4348	21.4346
12	86.1639	1.7639	2.94037	28.8126	13.6665	21.4769	21.4766
16	86.0897	1.3525	2.66379	28.8962	13.7868	21.5178	21.5174
20	86.0848	1.2483	2.53239	28.9332	13.8114	21.5415	21.541
24	85.9571	1.2791	2.50887	28.9776	13.8392	21.5703	21.5696
28	85.7316	1.2421	2.46897	29.0289	13.787	21.6202	21.6194
32	82.8984	1.3836	0.89241	29.4105	13.0001	22.0671	22.0663
36	85.827	1.6492	0.13946	29.6451	12.9592	22.2562	22.2553
40	85.8738	1.7261	0.0785	29.7027	13.0433	22.2847	22.2837

Station = 80905201
 Date & Time = Sept 7 2003 13:45
 Latitude = 49 13.00 N
 Longitude = 125 36.15 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	68.1807	32.0269	6.02301	28.5559	13.4587	21.3192	21.3191
8	84.357	10.8141	3.218	28.8119	13.7499	21.4601	21.4599
12	85.3391	2.2954	2.98986	28.894	13.8972	21.4943	21.494
16	85.5991	1.7563	2.84995	28.9447	13.973	21.5184	21.518
20	85.859	1.4206	2.8556	28.9925	14.036	21.5427	21.5422
24	85.5729	1.315	2.93617	29.0673	14.1179	21.584	21.5833
28	84.8892	1.255	2.93884	29.1183	14.1005	21.6268	21.626
32	75.9131	1.3591	1.18469	29.4549	13.203	22.0626	22.0618
36	85.5853	1.6858	0.13155	29.6242	12.9207	22.2473	22.2465
40	85.8872	1.7438	0.05852	29.6735	12.9809	22.274	22.2731
44	85.5215	1.9547	-9.99E-29	29.7074	13.0078	22.2952	22.2941

Station = 80905301
 Date & Time = Sept 7 2003 13:28
 Latitude = 49 12.53 N
 Longitude = 125 36.62 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	64.2633	40.9074	6.93376	28.5146	13.5172	21.276	21.2759
8	83.926	15.6436	3.51274	28.7919	13.7503	21.4445	21.4443
12	85.9371	2.0697	3.07714	29.0634	14.1688	21.5707	21.5704
16	86.1399	1.2945	3.14846	29.1365	14.2588	21.609	21.6085
20	86.0669	1.1936	3.15211	29.1523	14.2593	21.621	21.6205
24	86.0259	1.1812	3.11092	29.1577	14.2477	21.6275	21.6269
28	85.8933	1.1686	3.1654	29.1644	14.2541	21.6314	21.6306
32	85.6732	1.1822	3.20211	29.1769	14.2645	21.6389	21.638
36	85.3927	1.166	3.20176	29.189	14.2519	21.6508	21.6498
40	85.2882	1.1658	3.21416	29.1921	14.249	21.6538	21.6526
44	85.1461	1.1654	3.24376	29.1974	14.2554	21.6566	21.6553
48	85.13	1.1728	3.20502	29.1995	14.2322	21.6629	21.6615
52	85.0089	1.1641	3.16637	29.2054	14.2216	21.6695	21.6681
56	84.9329	1.1669	3.0909	29.2133	14.1859	21.6828	21.6813
60	84.8677	1.1762	3.07091	29.2179	14.1735	21.6889	21.6872
64	84.7261	1.1808	3.04975	29.2309	14.1419	21.7053	21.7035
68	83.952	1.1915	2.45829	29.3312	13.7572	21.8592	21.8574
72	83.4072	1.2396	0.46615	29.6449	12.7629	22.2932	22.2915
76	84.4207	1.2612	0.10448	29.7425	12.7167	22.3773	22.3755
80	84.7965	1.2947	0.05422	29.7957	12.7185	22.4182	22.4163
84	82.7919	1.3812	0.03136	29.8248	12.72	22.4404	22.4384
88	84.6221	1.624	0.02652	29.8307	12.7242	22.4442	22.4421

Station = 80905401
 Date & Time = Sept 7 2003 12:43
 Latitude = 49 10.88 N
 Longitude = 125 38.84 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	69.1827	38.1071	6.95612	28.5758	13.5957	21.308	21.3079
8	84.3999	12.0631	3.84872	28.8681	13.9871	21.4565	21.4563
12	85.8908	1.7708	3.20885	29.0427	14.2023	21.5481	21.5477
16	86.1111	1.3437	3.07172	29.1314	14.2857	21.5996	21.5991
20	85.7468	1.3084	3.22444	29.1846	14.3436	21.6289	21.6283
24	85.2067	1.2719	3.30485	29.2159	14.4019	21.6411	21.6405
28	84.9054	1.2716	3.57651	29.2363	14.4268	21.6518	21.651
32	84.793	1.2902	3.58773	29.2462	14.3977	21.6653	21.6644
36	84.6628	1.286	3.6106	29.2553	14.3951	21.6728	21.6718
40	84.4197	1.308	3.75896	29.2926	14.4484	21.6907	21.6896
44	84.4515	1.3575	3.87286	29.3131	14.4592	21.7043	21.7031
48	84.3021	1.3589	3.90173	29.3328	14.4638	21.7186	21.7172
52	84.1295	1.3834	3.90912	29.3508	14.4711	21.7309	21.7294
56	83.8961	1.4006	3.92713	29.3664	14.4717	21.7428	21.7412
60	83.7297	1.4307	3.94836	29.3784	14.4744	21.7515	21.7498
64	83.2709	1.4989	3.99025	29.4021	14.4865	21.7673	21.7654
68	82.7951	1.5768	3.994	29.4164	14.4828	21.7791	21.7771
72	82.4934	1.5904	3.9711	29.4243	14.4889	21.7838	21.7818
76	82.071	1.6431	4.03942	29.4369	14.4938	21.7926	21.7904
80	81.2057	1.6425	4.00792	29.4469	14.462	21.8067	21.8045
84	80.1661	1.6328	3.85638	29.4538	14.3906	21.8267	21.8243
88	81.0946	1.615	3.70142	29.457	14.3249	21.8425	21.84
92	79.7856	1.6375	3.68841	29.4721	14.3026	21.8587	21.8561
96	78.5009	1.6724	3.4034	29.4598	14.1348	21.8831	21.8804
100	76.8113	1.6328	2.55669	29.4086	13.709	21.9284	21.9258
104	72.9793	1.4769	1.30368	29.3277	13.0456	21.9944	21.9919

Station = 809055A01
 Date & Time = Sept 7 2003 9:59
 Latitude = 49 8.61 N
 Longitude = 125 40.69 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	56.1923	48.0346	6.05924	28.4819	14.1116	21.1341	21.134
8	80.1591	13.5575	3.19937	28.8191	14.0183	21.4126	21.4124
12	85.5729	-0.3604	3.13994	28.992	14.239	21.5016	21.5013

Station = 809055B01
 Date & Time = Sept 7 2003 10:38
 Latitude = 49 9.10 N
 Longitude = 125 41.56 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	64.5564	23.7422	6.45604	28.557	13.9174	21.2305	21.2304
8	82.5026	20.895	4.50334	28.8641	14.0555	21.4398	21.4396
12	85.2236	2.412	3.4375	29.049	14.2949	21.5342	21.5339
16	85.7742	1.7544	3.54008	29.1529	14.3991	21.5932	21.5927
20	85.5431	1.7078	3.66413	29.1957	14.4381	21.6182	21.6176
24	85.2318	1.7115	3.76712	29.2238	14.4625	21.6348	21.6342
28	84.8847	1.7304	3.96631	29.2573	14.4834	21.6564	21.6556
32	84.5162	1.7436	4.01266	29.283	14.4932	21.6741	21.6732
36	84.2114	1.7705	4.09665	29.3154	14.5078	21.6962	21.6951
40	83.3567	1.8767	4.11926	29.3562	14.5131	21.7265	21.7253
44	83.146	2.081	4.15748	29.3828	14.526	21.7443	21.743
48	82.957	1.9301	4.12994	29.4072	14.5222	21.7639	21.7625
52	82.009	1.9102	4.12684	29.438	14.5216	21.7877	21.7863
56	80.9355	1.9942	4.11426	29.4743	14.5173	21.8166	21.8149
60	77.7846	2.0626	4.13656	29.5274	14.509	21.8591	21.8574
64	74.0582	2.0403	-9.99E-29	29.5549	14.4993	21.8823	21.8805

Station = 80905601
 Date & Time = Sept 7 2003 8:57
 Latitude = 49 7.14 N
 Longitude = 125 47.81 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	74.9898	6.7718	4.27533	28.8959	14.9316	21.2859	21.2857
8	75.0685	6.8259	4.2664	28.8967	14.9312	21.2866	21.2863
12	75.0069	6.5624	4.1883	28.8976	14.9301	21.2875	21.2872
16	75.0449	6.4479	4.19331	28.8961	14.933	21.2858	21.2853
20	75.1419	6.3272	4.13217	28.8989	14.9251	21.2895	21.2889
24	75.1655	6.3507	4.21062	28.8963	14.927	21.2871	21.2864
28	75.1314	6.4376	4.37893	28.8954	14.9262	21.2866	21.2858
32	75.1712	6.3132	4.45945	28.8969	14.9247	21.2881	21.2872
36	75.3432	6.4173	4.51292	28.9067	14.9112	21.2985	21.2974
40	75.4747	6.4432	4.51778	28.9083	14.9113	21.2997	21.2985

Station = 80905701
 Date & Time = Sept 7 2003 8:37
 Latitude = 49 7.79 N
 Longitude = 125 50.78 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	74.3806	6.5347	3.91017	29.1041	14.8769	21.4574	21.4573
8	74.1546	6.4512	4.04592	29.1323	14.8719	21.4802	21.4799
12	73.9055	6.4385	4.08483	29.1309	14.8711	21.4792	21.4789

Station = 80905801
Date &Time = Sept 7 2003 8:20
Latitude = 49 8.42 N
Longitude = 125 52.56 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	74.0849	6.6584	4.52456	29.4871	14.669	21.7952	21.7951
8	73.9978	6.6323	4.39112	29.5088	14.6456	21.8167	21.8165
12	73.6563	6.2723	-9.99E-29	29.5117	14.6432	21.8195	21.8191

Station = 80905901
 Date & Time = Sept 7 2003 7:30
 Latitude = 49 9.05 N
 Longitude = 125 54.98 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	72.8575	11.9225	4.71484	31.2647	13.4294	23.4169	23.4167
8	72.8347	11.992	4.59367	31.2576	13.4341	23.4104	23.4102
12	72.8352	11.8499	4.497	31.2584	13.4317	23.4115	23.4112
16	72.8711	11.394	4.75458	31.2494	13.4377	23.4034	23.4029
20	72.695	11.5627	4.95009	31.2166	13.4499	23.3756	23.375

Station = 80906001
 Date & Time = Sept 5 2003 12:20
 Latitude = 49 20.16 N
 Longitude = 126 15.36 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	72.3045	14.7365	5.45726	31.7138	12.441	23.9556	23.9555
8	74.5881	11.8523	4.86312	31.8235	12.1353	24.098	24.0978
12	75.8839	10.3262	4.54829	31.8492	11.9717	24.1483	24.148
16	78.5895	8.6843	4.48668	31.9236	11.6317	24.2682	24.2679
20	82.792	4.9343	4.05502	32.0621	11.0257	24.4841	24.4837

Station = 80906101
 Date & Time = Sept 5 2003 11:59
 Latitude = 49 21.74 N
 Longitude = 126 14.68 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	71.5719	21.2526	6.4504	31.5395	12.8102	23.7502	23.7501
8	76.7529	10.4667	5.1891	31.809	12.042	24.1041	24.1039
12	80.4931	7.6619	4.62616	31.993	11.4367	24.3574	24.3571
16	82.6892	4.6841	4.14864	32.0423	11.0653	24.4617	24.4614
20	83.5593	3.0451	3.71299	32.0484	10.9102	24.4936	24.4932
24	83.8778	2.2828	3.52363	32.0655	10.7855	24.5286	24.5281
28	83.9309	2.0565	3.49464	32.0774	10.7067	24.5515	24.5509
32	83.8622	1.831	3.33577	32.0817	10.6583	24.5631	24.5625

Station = 80906201
 Date & Time = Sept 5 2003 11:37
 Latitude = 49 22.90 N
 Longitude = 126 14.67 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	70.9082	16.8527	6.31505	31.443	13.0959	23.6202	23.6201
8	77.8387	10.4268	4.83121	31.7001	12.2291	23.9848	23.9846
12	80.1417	6.266	4.41424	31.7599	12.0204	24.07	24.0698
16	81.1069	4.8207	4.3447	31.8118	11.8201	24.1471	24.1468
20	81.4458	4.64	4.23153	31.8452	11.6667	24.201	24.2006
24	82.9002	3.4604	4.12792	31.9435	11.3428	24.3358	24.3352
28	83.3398	2.7551	3.91365	32.0635	10.8499	24.5159	24.5153
32	82.3137	2.1043	3.59016	32.1009	10.6603	24.5778	24.5771
36	82.2568	1.8983	3.4137	32.0942	10.6486	24.5745	24.5738
40	80.9135	1.8047	3.38915	32.1182	10.5526	24.6097	24.6089
44	78.931	1.805	3.29152	32.1268	10.5055	24.6244	24.6236
48	77.5265	1.5901	3.24061	32.1352	10.4548	24.6396	24.6387
52	73.9255	1.4691	3.11922	32.1455	10.4004	24.6568	24.6558
56	71.4195	1.4617	3.0951	32.1603	10.3165	24.6825	24.6815
60	66.8932	1.0935	2.9267	32.1815	10.2076	24.7173	24.7162

Station = 80906301
 Date & Time = Sept 5 2003 10:54
 Latitude = 49 24.05 N
 Longitude = 126 14.57 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	76.1844	18.3184	5.7292	31.317	13.0881	23.5243	23.5242
8	81.1129	6.0853	4.71427	31.5029	12.3562	23.8081	23.808
12	83.8674	3.2576	3.98402	31.8077	11.6373	24.1772	24.177
16	83.9379	2.376	3.76627	31.9372	11.349	24.3297	24.3293
20	83.6747	2.4775	3.88804	31.958	11.2516	24.3632	24.3628
24	82.4704	2.8828	3.94802	31.9687	11.2409	24.3734	24.3729
28	81.8412	3.7298	4.03591	31.9714	11.2448	24.3748	24.3742
32	82.3568	3.3599	3.89775	32.0539	10.9163	24.4968	24.4962
36	83.6522	2.3875	-9.99E-29	32.0682	10.7797	24.5317	24.531

Station = 80906302
 Date & Time = Sept 5 2003 11:06
 Latitude = 49 24.10
 Longitude = 126 14.54W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	76.0369	15.6669	5.5949	31.4173	13.133	23.5931	23.593
8	81.0348	11.0928	4.42774	31.5194	12.3546	23.8213	23.8211
12	84.096	4.3033	3.84794	31.8336	11.5946	24.2051	24.2048
16	83.7225	2.5999	3.7568	31.9575	11.303	24.3537	24.3534
20	83.747	2.7239	3.50832	31.9584	11.2528	24.3633	24.3629
24	83.4515	2.7121	3.43205	31.9592	11.2286	24.3683	24.3678
28	82.1311	3.1012	3.62364	31.9722	11.2248	24.379	24.3784
32	82.3457	3.7393	3.63127	32.0424	10.9634	24.4797	24.479
36	83.195	2.4671	3.53731	32.0602	10.8313	24.5165	24.5158
40	83.5963	1.9471	3.4686	32.0603	10.8088	24.5205	24.5197
44	83.7667	1.7532	3.45183	32.0682	10.7649	24.5342	24.5334
48	83.4016	1.5372	3.34528	32.1033	10.6027	24.5895	24.5885
52	81.7461	1.1595	3.17116	32.1359	10.4616	24.639	24.638
56	78.5338	1.125	3.06662	32.1616	10.3513	24.6777	24.6766
60	75.8781	1.2249	2.96341	32.1801	10.2691	24.706	24.7048

Station = 80906401
 Date & Time = Sept 5 2003 10:29
 Latitude = 49 25.49 N
 Longitude = 126 14.64 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	77.6794	12.951	5.65858	31.4036	13.1969	23.57	23.5699
8	84.2924	4.5127	4.32265	31.7358	11.7176	24.1068	24.1066
12	85.4872	1.7737	3.60148	31.8423	11.1974	24.2829	24.2826
16	85.6768	1.1784	3.15248	31.9469	11.0064	24.3978	24.3975
20	85.392	1.0615	3.08571	32.0015	10.8852	24.4615	24.4611
24	85.0382	1.2242	3.32468	32.0327	10.8421	24.4933	24.4928
28	84.5393	1.3205	3.4903	32.0699	10.7682	24.535	24.5345
32	84.4953	1.2616	3.50835	32.0827	10.6744	24.5612	24.5605
36	84.2017	1.2018	3.4751	32.0917	10.639	24.5742	24.5735
40	83.412	1.263	3.45411	32.1144	10.5493	24.6073	24.6065
44	83.0656	1.1392	3.36309	32.1228	10.4724	24.627	24.6261
48	82.9709	1.0373	2.84687	32.0976	10.2308	24.648	24.6471
52	82.5677	0.8447	2.63514	32.1041	10.163	24.6645	24.6635
56	81.0497	0.8386	2.60794	32.1293	10.1465	24.6868	24.6858
60	79.1732	0.8684	2.7004	32.1588	10.1019	24.7172	24.7161
64	77.2264	0.8587	2.66775	32.1774	10.0727	24.7366	24.7354

Station = 80906501
 Date & Time = Sept 5 2003 10:02
 Latitude = 49 26.23 N
 Longitude = 126 15.51 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	81.5657	10.7227	5.56037	31.9151	12.4515	24.1096	24.1095
8	84.7701	7.6516	4.55054	31.8053	11.5923	24.1835	24.1834
12	85.6	2.3536	3.24918	31.8325	11.2015	24.2745	24.2743
16	85.7704	1.39	2.93739	31.8543	11.0902	24.3112	24.3108
20	85.5942	1.1627	3.04503	31.9999	10.9049	24.4568	24.4564
24	85.4061	1.157	3.02728	32.034	10.8076	24.5002	24.4998
28	85.1395	1.1317	2.97348	32.0587	10.6556	24.5457	24.5452
32	84.9652	1.0566	3.08457	32.0757	10.5676	24.574	24.5734
36	84.3362	1.0054	2.89006	32.0601	10.388	24.5924	24.5917
40	83.7257	0.9057	2.66106	32.0643	10.2893	24.6122	24.6115
44	83.2273	0.8877	2.53183	32.0697	10.1963	24.632	24.6312
48	82.4949	0.8745	2.40878	32.0887	10.102	24.6626	24.6617
52	82.069	0.8891	2.36213	32.1	10.0764	24.6756	24.6747
56	81.8257	0.8745	2.29686	32.1053	10.0399	24.6858	24.6848
60	81.1611	0.8656	2.22444	32.1266	9.9416	24.7186	24.7175
64	80.1764	0.8618	2.18122	32.144	9.9407	24.7324	24.7312
68	79.0878	0.882	2.2892	32.1644	9.9495	24.7468	24.7456
72	79.4348	0.9049	2.41198	32.1787	9.9502	24.7579	24.7566

Station = 80906601
 Date & Time = Sept 5 2003 9:34
 Latitude = 49 27.13 N
 Longitude = 126 16.26 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	76.2572	10.5261	5.52295	31.4467	13.5917	23.5252	23.525
8	83.4954	6.0616	4.44578	31.7164	12.0373	24.0332	24.033
12	85.5732	2.2251	3.67372	31.819	11.2034	24.2637	24.2634
16	86.1058	1.2865	3.20984	31.8461	10.9221	24.3341	24.3338
20	86.0747	1.0329	2.77742	31.9104	10.7929	24.4066	24.4062
24	85.8385	0.9561	2.67095	31.9578	10.6333	24.471	24.4705
28	85.5188	0.9164	2.54663	31.9863	10.4905	24.5175	24.517
32	85.3139	0.8888	2.46663	31.9817	10.3484	24.538	24.5374
36	85.1132	0.8639	2.36904	31.9921	10.2553	24.5617	24.561
40	84.5715	0.8619	2.34658	32.0214	10.174	24.5981	24.5974
44	84.312	0.8486	2.27866	32.0349	10.0368	24.6314	24.6306
48	83.5896	0.8475	2.229	32.0535	10.0048	24.6512	24.6503
52	83.1399	0.8706	2.18816	32.0678	9.972	24.6678	24.6668
56	83.8874	0.8441	2.08883	32.071	9.8503	24.6902	24.6892
60	82.9459	0.8313	2.00862	32.1004	9.8379	24.7152	24.7141
64	82.3401	0.8536	1.98348	32.1213	9.8297	24.7328	24.7317
68	82.6995	0.854	1.99165	32.1304	9.7965	24.7454	24.7442
72	82.2656	0.8479	1.96949	32.1422	9.806	24.753	24.7517
76	81.7855	0.8686	2.03367	32.1578	9.7898	24.7678	24.7665
80	82.6843	0.8494	1.91892	32.1594	9.6981	24.784	24.7826
84	82.1511	0.8492	1.94145	32.1706	9.727	24.788	24.7865
88	81.8097	0.8656	1.99481	32.1765	9.726	24.7929	24.7913
92	81.5191	0.8719	1.95654	32.1812	9.7188	24.7977	24.796
96	80.7092	0.8872	2.10158	32.1998	9.7733	24.8034	24.8016
100	80.1763	0.9002	2.32192	32.2167	9.7964	24.8128	24.811
104	79.2791	0.9213	2.41351	32.2304	9.8346	24.8172	24.8153
108	79.3789	0.9285	2.35494	32.2267	9.7868	24.8222	24.8202
112	78.8945	0.9261	1.99199	32.2125	9.6869	24.8273	24.8253
116	77.7674	0.9319	1.68046	32.2117	9.6653	24.8301	24.8281
120	77.9313	0.9254	2.27487	32.2495	9.7833	24.8405	24.8383

Station = 80906901
 Date & Time = Sept 5 2003 9:03
 Latitude = 49 28.13 N
 Longitude = 126 16.47 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	77.8207	11.2086	5.01619	31.4203	13.044	23.6128	23.6127
8	83.9857	3.7453	3.90518	31.6124	11.759	24.0035	24.0034
12	85.6042	1.8167	3.18319	31.7106	11.1238	24.1935	24.1932
16	86.1151	1.2505	2.78284	31.7691	10.7849	24.298	24.2976
20	86.2914	1.0559	2.621	31.8405	10.6897	24.3699	24.3695
24	86.1744	0.9728	2.58985	31.9074	10.5853	24.4399	24.4395
28	85.8233	0.9501	2.55308	31.949	10.5004	24.4868	24.4863
32	85.6704	0.9481	2.48127	31.9654	10.2906	24.535	24.5344
36	85.4278	0.9286	2.40183	31.9809	10.2084	24.5608	24.5601
40	85.4563	0.914	2.30005	31.9897	10.0486	24.5942	24.5935
44	84.9618	0.8938	2.25577	32.0161	10.0107	24.621	24.6202
48	84.6978	0.8944	2.2332	32.0349	9.9136	24.6517	24.6509
52	84.8363	0.8965	2.17457	32.0429	9.7956	24.6772	24.6763
56	84.9253	0.8744	2.13805	32.0587	9.746	24.6977	24.6967
60	85.3293	0.8715	2.10884	32.0663	9.6794	24.7143	24.7133
64	85.1893	0.8547	2.0576	32.0782	9.669	24.7253	24.7242
68	84.2807	0.88	2.06547	32.1079	9.7449	24.7362	24.735
72	84.2882	0.8874	1.98553	32.1124	9.6623	24.7531	24.7518
76	84.2305	0.872	1.90712	32.1189	9.6283	24.7636	24.7623
80	83.8334	0.8796	1.86467	32.1313	9.6476	24.7702	24.7688
84	83.3518	0.8898	1.83589	32.1449	9.6423	24.7817	24.7802
88	83.096	0.8919	1.76889	32.153	9.6286	24.7903	24.7887
92	82.809	0.8991	1.6879	32.1562	9.6174	24.7945	24.7929
96	82.274	0.9054	1.66749	32.1628	9.6108	24.8008	24.7991
100	81.3685	0.9158	1.59252	32.1731	9.6184	24.8076	24.8058
104	80.6339	1.0656	1.74242	32.1926	9.6841	24.8122	24.8103
108	80.199	0.9613	2.18165	32.2156	9.7643	24.8171	24.8152
112	79.8439	0.9586	2.13899	32.2138	9.7296	24.8213	24.8193
116	79.2092	0.968	1.7422	32.2013	9.6468	24.825	24.823
120	79.19	0.9587	2.01693	32.223	9.7257	24.8292	24.8271
124	78.5855	0.9451	2.20897	32.2333	9.7398	24.8349	24.8327

Station = 80907001
 Date & Time = Sept 5 2003 8:36
 Latitude = 49 29.14 N
 Longitude = 126 16.98 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	75.725	9.903	5.12609	31.2279	13.8606	23.3021	23.302
8	83.5604	4.7413	4.50058	31.5689	11.8844	23.9469	23.9467
12	85.743	2.1469	3.35251	31.6604	10.9338	24.1876	24.1874
16	86.1426	1.318	2.67065	31.7402	10.5142	24.3218	24.3215
20	86.2563	1.0555	2.49469	31.8226	10.4215	24.4017	24.4013
24	86.3286	1.0067	2.45738	31.8848	10.3821	24.4568	24.4563
28	86.0543	0.9763	2.42878	31.9279	10.3214	24.5006	24.5
32	86.0834	0.965	2.38688	31.9281	10.1842	24.5237	24.5231
36	86.0626	0.9462	2.31464	31.9417	9.9907	24.5663	24.5656
40	85.8037	0.9279	2.28076	31.973	9.9223	24.602	24.6012
44	85.5163	0.9297	2.26009	31.9963	9.8883	24.6257	24.625
48	85.4725	0.9284	2.22185	32.0079	9.82	24.6459	24.6451
52	85.4724	0.9129	2.18137	32.0221	9.7365	24.6705	24.6696
56	85.3839	0.9048	2.12813	32.0441	9.6915	24.695	24.694
60	85.3918	0.8958	2.06352	32.0543	9.6288	24.7131	24.7121
64	85.3902	0.8915	2.01092	32.0717	9.6098	24.7297	24.7286
68	85.1355	0.8892	1.92807	32.0834	9.5877	24.7425	24.7413
72	84.6589	0.8952	1.77578	32.0911	9.5655	24.752	24.7508
76	84.5867	0.896	1.73492	32.1025	9.5623	24.7614	24.7601
80	84.2695	0.9006	1.68927	32.1129	9.5723	24.768	24.7666
84	83.8096	0.9123	1.55233	32.1218	9.5472	24.7789	24.7775
88	83.3854	0.9215	1.45281	32.1297	9.5428	24.7858	24.7843
92	83.0857	0.9299	1.40824	32.1369	9.5402	24.7919	24.7903
96	82.9084	0.9289	1.40939	32.1436	9.5504	24.7955	24.7938
100	82.5051	0.9365	1.46565	32.1532	9.555	24.8022	24.8005
104	82.4079	0.9352	1.43605	32.1543	9.5424	24.8051	24.8033

Station = 80907101
 Date & Time = Sept 5 2003 7:58
 Latitude = 49 30.37 N
 Longitude = 126 17.60 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	79.3385	5.9438	4.73525	31.2097	13.5003	23.3603	23.3602
8	83.3124	3.2131	3.73253	31.5559	11.3687	24.0299	24.0297
12	85.142	1.5924	2.74264	31.6505	10.6674	24.2259	24.2256
16	85.566	1.0562	2.32278	31.7212	10.4044	24.3256	24.3253
20	85.3527	0.9244	2.1522	31.767	10.2367	24.3893	24.389
24	85.5483	0.8505	2.10315	31.8212	10.1036	24.4537	24.4533
28	85.478	0.836	2.08215	31.8451	10.0508	24.4811	24.4806

Station = 80907201
 Date & Time = Sept 5 2003 13:04
 Latitude = 49 23.89 N
 Longitude = 126 12.91 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	79.9548	5.0969	4.82644	31.4953	12.3721	23.7992	23.7992
8	82.635	5.0016	4.2239	31.7277	11.7546	24.0938	24.0936
12	83.0034	3.7072	3.69691	31.7798	11.658	24.1518	24.1515
16	83.6535	3.2182	3.76412	31.8658	11.4319	24.2594	24.259
20	83.9966	2.4665	3.89737	31.9568	11.2201	24.3679	24.3675
24	83.8609	2.6304	3.78104	31.9598	11.2194	24.3703	24.3698
28	83.7915	2.5839	3.61272	31.9722	11.1935	24.3846	24.384
32	83.9237	2.4975	3.71374	32.0164	11.0256	24.4485	24.4478
36	83.9723	2.2649	3.6133	32.0589	10.8391	24.5142	24.5134
40	83.7197	1.8986	3.39647	32.0821	10.7238	24.5522	24.5514
44	83.4099	1.8075	3.62733	32.0925	10.6441	24.574	24.5731
48	83.081	1.5514	3.52583	32.0984	10.568	24.5916	24.5907
52	79.994	1.27	3.20261	32.152	10.2991	24.679	24.678
56	76.5215	1.1323	3.07046	32.1678	10.2733	24.6957	24.6946
60	75.1538	1.2424	3.07174	32.1738	10.2632	24.702	24.7009
64	74.9418	1.2262	3.09597	32.1735	10.2589	24.7025	24.7013
68	74.5952	1.2335	3.12161	32.1742	10.2525	24.7041	24.7028

Station = 80907301
 Date & Time = Sept 5 2003 13:25
 Latitude = 49 23.34 N
 Longitude = 126 11.22 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	72.3037	28.197	5.90321	31.249	13.7808	23.3346	23.3345
8	80.7474	27.7728	6.54887	32.0425	12.3712	24.2235	24.2233
12	83.094	35.9949	6.11863	32.3323	11.6532	24.5818	24.5815
16	83.8501	31.6741	5.62654	32.6064	11.3696	24.8461	24.8458
20	84.6202	28.4753	5.44996	32.8766	11.0728	25.1094	25.109
24	84.6172	29.3861	5.37441	33.0305	10.9393	25.2528	25.2523
28	84.3099	26.7747	5.34341	33.1395	10.714	25.3773	25.3768
32	83.8837	25.4222	5.28828	32.9538	10.5598	25.2594	25.2588
36	83.6208	22.7474	5.61215	32.5475	10.4756	24.9573	24.9566
40	83.3462	17.4274	6.06743	32.2278	10.4656	24.7099	24.7091
44	83.1588	9.381	5.94743	32.1662	10.4051	24.6722	24.6713
48	82.9707	5.6391	4.79471	32.1432	10.3705	24.6601	24.6591
52	82.6508	3.1791	3.5463	32.1379	10.3082	24.6664	24.6654
56	82.3769	2.1869	3.08126	32.1407	10.2719	24.6748	24.6737
60	81.8632	1.4342	2.88323	32.1534	10.2149	24.6942	24.693
64	78.2559	1.1851	2.76649	32.161	10.1643	24.7086	24.7074
68	73.9043	1.0632	2.72885	32.1659	10.1666	24.712	24.7107
72	72.6172	1.0847	2.75598	32.1669	10.1747	24.7115	24.7101
76	67.4795	1.0507	2.70694	32.1695	10.1893	24.7111	24.7096

Station = 80907401
 Date & Time = Sept 5 2003 13:56
 Latitude = 49 23.56 N
 Longitude = 126 9.76 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	79.2749	10.6373	4.1738	31.8548	12.6284	24.0292	24.0291
8	81.7646	8.0222	4.67811	32.0026	11.6396	24.3282	24.328
12	82.9589	7.7192	4.5202	31.9756	11.4307	24.3449	24.3446
16	84.2659	7.5238	4.12306	31.9539	11.2963	24.3521	24.3518
20	84.6985	3.9118	3.72464	32.0097	11.0466	24.4397	24.4393
24	84.7731	2.2092	3.48928	32.0138	10.9406	24.4614	24.4609
28	84.5904	1.5506	3.28393	32.0601	10.7123	24.5371	24.5365
32	84.2395	1.2233	3.1154	32.0855	10.55	24.5846	24.584
36	83.8403	1.0223	2.93119	32.0894	10.4839	24.599	24.5983
40	83.4069	0.9938	2.92543	32.1012	10.4089	24.6209	24.6201
44	82.6298	0.9794	2.85591	32.1194	10.2916	24.6549	24.654
48	82.3559	0.967	2.88388	32.1325	10.2741	24.668	24.667
52	82.0317	0.9476	2.8272	32.1347	10.2177	24.6792	24.6782
56	80.7804	0.9165	2.65459	32.152	10.1591	24.7025	24.7014
60	80.3385	0.9166	2.57897	32.1599	10.1452	24.7109	24.7098
64	79.9114	0.9145	2.53649	32.1586	10.1234	24.7136	24.7124
68	80.4866	0.8982	2.61693	32.1579	10.1214	24.7134	24.7121
72	79.4238	0.8903	2.698	32.1607	10.1122	24.7171	24.7157
76	80.2569	0.9117	2.79051	32.1698	10.1379	24.7199	24.7184
80	79.3418	0.9167	2.84199	32.1735	10.1282	24.7244	24.7229
84	76.9731	0.9212	2.79089	32.1806	10.109	24.7331	24.7316
88	74.9112	0.9207	2.70681	32.1818	10.0649	24.7414	24.7398
92	71.9607	0.9267	2.70119	32.1885	10.0156	24.7547	24.753
96	72.2109	0.8891	-9.99E-29	32.1875	9.9706	24.7614	24.7596

Station = 80907501
 Date & Time = Sept 5 2003 14:18
 Latitude = 49 24.02 N
 Longitude = 126 8.17 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	76.3064	4.3419	3.55589	31.2622	13.3064	23.4391	23.439
8	80.7954	6.9955	4.39617	31.4131	12.535	23.7049	23.7047
12	82.7249	5.4606	3.88615	31.8598	11.4325	24.2546	24.2544
16	84.6396	3.5409	3.35292	31.9295	11.2294	24.345	24.3447
20	84.7578	1.9953	3.40358	31.9986	10.9959	24.4399	24.4395
24	84.7349	1.6657	3.36279	32.0496	10.7619	24.5203	24.5198
28	84.2049	1.374	3.20447	32.0704	10.5704	24.5694	24.5689
32	83.8962	1.203	2.83837	32.0708	10.5083	24.5803	24.5797
36	83.6284	1.1889	2.97569	32.0812	10.4474	24.5988	24.5981
40	83.2704	1.0876	2.80352	32.073	10.2491	24.6258	24.625
44	83.1823	1.0575	2.44845	32.0664	10.1558	24.6363	24.6354
48	82.7941	1.0164	2.3154	32.0837	10.1078	24.6577	24.6568
52	82.0117	1.0151	2.28292	32.1054	10.0233	24.6886	24.6877
56	81.7479	1.009	2.17075	32.1135	9.9937	24.6999	24.6989
60	81.5698	1.0132	2.15608	32.1242	9.9938	24.7082	24.7071
64	81.4517	1.0115	2.2481	32.1324	9.968	24.7189	24.7177
68	81.0823	1.0014	2.3272	32.1465	9.9669	24.73	24.7288
72	80.9609	1.0099	2.40487	32.149	9.9592	24.7333	24.7319
76	80.9486	1.0235	2.41778	32.1482	9.9482	24.7344	24.733
80	80.934	1.0239	2.4851	32.1478	9.9395	24.7355	24.7341
84	80.9538	1.0019	2.52354	32.1478	9.9304	24.737	24.7355
88	80.726	0.9982	2.54228	32.1538	9.9438	24.7395	24.7379
92	79.8993	1.0132	2.60629	32.1679	9.9874	24.7433	24.7417
96	78.8974	1.044	2.70663	32.1803	10.0224	24.7472	24.7455
100	79.5907	1.0538	2.70181	32.183	10.0064	24.752	24.7502
104	79.576	1.0427	2.73293	32.1845	10.0024	24.7538	24.7519
108	79.5272	1.0413	2.72438	32.1872	10.0029	24.7558	24.7538
112	79.6494	1.0455	2.73036	32.1874	9.9781	24.7601	24.758
116	79.0942	1.027	2.70577	32.1907	9.9744	24.7633	24.7611
120	76.5242	1.0413	2.69405	32.1984	9.9602	24.7716	24.7694
124	71.5546	1.0461	2.65744	32.1975	9.9383	24.7745	24.7722

Station = 80907601
 Date & Time = Sept 5 2003 14:45
 Latitude = 49 24.75 N
 Longitude = 126 7.81 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	77.2635	10.4064	3.8359	31.5723	13.2745	23.6852	23.6851
8	81.5171	8.1379	4.63044	31.5577	12.4131	23.8399	23.8397
12	83.6389	6.0231	4.1756	31.8237	11.5062	24.2134	24.2131
16	84.313	3.007	3.50853	31.9212	11.0989	24.3616	24.3613
20	84.5553	1.8601	3.08495	31.9726	10.9699	24.4242	24.4238
24	84.5775	1.5824	3.24083	32.0513	10.7303	24.5271	24.5266
28	83.9389	1.2754	3.11616	32.0538	10.5187	24.5653	24.5647
32	83.4921	1.147	2.89497	32.0551	10.4149	24.5839	24.5833
36	83.3575	1.114	2.70595	32.0617	10.4093	24.59	24.5893
40	83.1529	1.0663	2.72145	32.07	10.3261	24.6106	24.6098
44	83.203	0.9828	2.63431	32.0655	10.158	24.6352	24.6344
48	82.9648	0.9583	2.55365	32.0742	10.0703	24.6566	24.6557
52	82.3486	1.0172	2.47641	32.0879	10.0324	24.6735	24.6725
56	82.2823	0.9501	2.4562	32.0893	10.0025	24.6795	24.6785
60	82.563	0.9351	2.40932	32.0981	9.9128	24.7011	24.7001
64	82.1178	0.975	2.37584	32.1086	9.8988	24.7116	24.7105
68	81.7071	0.9303	2.36433	32.1178	9.9021	24.7183	24.717
72	81.6689	0.9227	2.36978	32.1185	9.8906	24.7207	24.7194
76	81.8967	0.9181	2.36417	32.1202	9.8596	24.7271	24.7257
80	82.0145	0.9253	2.32043	32.1194	9.8352	24.7305	24.7291
84	82.5351	0.9145	2.32289	32.1188	9.7923	24.737	24.7355
88	82.4693	0.8999	2.31102	32.124	9.7648	24.7455	24.7439
92	81.3901	0.9144	2.33837	32.1367	9.8102	24.748	24.7464
96	81.0822	0.9269	2.37133	32.1419	9.8283	24.7491	24.7474
100	80.5753	0.9444	2.52752	32.1606	9.8933	24.7531	24.7513
104	80.4508	0.9544	2.54005	32.1647	9.8997	24.7553	24.7534
108	80.5029	0.9626	2.52255	32.1652	9.8922	24.7569	24.7549
112	80.3967	0.9615	2.53706	32.1694	9.8952	24.7597	24.7576
116	80.8652	0.9552	2.49447	32.1661	9.8504	24.7644	24.7623
120	80.4065	0.9566	2.5382	32.179	9.8727	24.7708	24.7687
124	80.3232	0.9688	2.55791	32.1884	9.8693	24.7788	24.7765
128	79.6134	0.9688	2.53425	32.1907	9.8497	24.7837	24.7814
132	78.4723	0.9765	2.59311	32.2031	9.8734	24.7896	24.7872
136	78.7744	0.9784	2.49347	32.1915	9.8055	24.7916	24.7891
140	78.6997	0.9648	2.43523	32.1896	9.797	24.7915	24.789
144	78.0884	0.9685	2.42719	32.1936	9.8068	24.793	24.7904
148	77.9505	0.9645	2.2968	32.1812	9.723	24.797	24.7943
152	76.9421	0.9452	2.00187	32.1626	9.6287	24.7977	24.795
156	75.9377	0.9492	1.84258	32.1575	9.6097	24.7968	24.7941
160	75.7497	0.9605	1.84678	32.1591	9.6184	24.7967	24.7938
164	75.2079	0.9764	1.79763	32.1591	9.6197	24.7964	24.7936
168	73.8542	0.979	1.74939	32.1625	9.6347	24.7966	24.7937

Station = 80907701
 Date & Time = Sept 5 2003 15:13
 Latitude = 49 25.44 N
 Longitude = 126 6.51 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	80.241	8.5681	5.46155	31.3249	13.1025	23.5276	23.5275
8	83.1743	6.3473	4.55174	31.4724	12.1982	23.814	23.8139
12	84.1705	3.2989	3.71864	31.7036	11.5657	24.1094	24.1091
16	84.7958	1.9802	3.46327	31.883	11.0772	24.3357	24.3354
20	84.7318	1.3351	3.1617	31.9496	10.8348	24.4299	24.4295
24	84.5165	1.213	2.9464	31.967	10.7462	24.4587	24.4582
28	84.4864	1.1785	2.77883	31.9773	10.6212	24.4882	24.4876
32	84.1745	1.09	2.65568	32.0144	10.4037	24.5541	24.5535
36	84.9687	1.041	2.56132	31.9948	10.1279	24.5851	24.5844
40	85.0524	0.9588	2.49681	32.0079	10.0535	24.6076	24.6068
44	84.6402	0.9274	2.53651	32.032	10.0267	24.6309	24.63
48	84.2448	0.8933	2.45855	32.0497	9.9938	24.65	24.6492
52	84.5952	0.8746	2.3533	32.0574	9.8721	24.6761	24.6751
56	85.0148	0.8509	2.28842	32.0522	9.75	24.6919	24.6909
60	85.1723	0.8298	2.23064	32.0538	9.6924	24.7025	24.7014
64	85.0948	0.8347	2.16587	32.0591	9.6774	24.709	24.7079
68	84.9095	0.8271	2.13857	32.0678	9.6919	24.7135	24.7123
72	84.6074	0.8269	2.13206	32.0811	9.711	24.7208	24.7195
76	84.2625	0.8358	2.18239	32.0928	9.7279	24.7272	24.7258
80	83.9108	0.8378	2.19576	32.1002	9.7267	24.7331	24.7317
84	83.8223	0.8413	2.20311	32.1027	9.723	24.7357	24.7342
88	83.8427	0.8408	2.21524	32.1043	9.7155	24.7381	24.7366
92	83.3308	0.8391	2.29218	32.116	9.7525	24.7413	24.7396
96	83.0683	0.8507	2.34637	32.1214	9.7599	24.7443	24.7426
100	83.2899	0.853	2.32302	32.1174	9.7008	24.7508	24.749
104	83.3677	0.8414	2.30303	32.1169	9.6736	24.7548	24.7529
108	83.1078	0.8461	2.3016	32.1221	9.6681	24.7598	24.7579
112	82.9371	0.8398	2.26599	32.1254	9.6635	24.7631	24.7611
116	82.7144	0.8366	2.26555	32.1329	9.6744	24.7671	24.7651
120	82.3987	0.8479	2.22532	32.1375	9.6684	24.7717	24.7696
124	82.161	0.8454	2.19711	32.1411	9.6605	24.7758	24.7736
128	81.6938	0.8527	2.22333	32.1504	9.6802	24.7798	24.7776
132	81.3408	0.8785	2.17711	32.1503	9.6444	24.7856	24.7832
136	80.398	0.8656	2.10878	32.1549	9.6512	24.7881	24.7857
140	79.0995	0.8884	2.07763	32.1604	9.6557	24.7917	24.7892
144	77.4077	0.8995	1.98296	32.1595	9.6325	24.7947	24.7921
148	75.8842	0.9038	1.90452	32.1608	9.6401	24.7945	24.7919

Station = 80907801
 Date & Time = Sept 5 2003 15:39
 Latitude = 49 25.56 N
 Longitude = 126 5.04 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	80.6669	4.3107	2.76355	31.5019	12.9221	23.6995	23.6994
8	81.1159	4.9481	3.56253	31.4937	12.1564	23.8384	23.8382
12	81.9244	5.5789	3.33285	31.7248	11.4593	24.1449	24.1447
16	84.6197	3.9793	3.05306	31.8734	11.0524	24.3326	24.3322
20	84.3622	1.9581	2.86246	31.9452	10.8133	24.4301	24.4297
24	84.6781	1.6784	2.72456	31.9641	10.5545	24.4893	24.4888
28	84.7432	1.1855	2.5687	31.9856	10.3253	24.5448	24.5443
32	85.1064	1.0965	2.47456	31.9892	10.1588	24.5756	24.575
36	85.2268	0.9961	2.35133	32.005	10.0282	24.6095	24.6088
40	85.3155	0.9719	2.30886	32.0115	9.9656	24.6249	24.6242
44	85.2888	0.9395	2.30657	32.0234	9.9123	24.643	24.6422
48	85.1579	0.9078	2.21181	32.0336	9.8768	24.6567	24.6559
52	84.7659	0.8981	2.23064	32.049	9.8801	24.6682	24.6673
56	85.0563	0.889	2.22645	32.0494	9.76	24.6881	24.6871
60	85.1838	0.8561	2.18239	32.0509	9.703	24.6985	24.6974
64	85.2197	0.8542	2.14856	32.0501	9.6627	24.7044	24.7032
68	85.1352	0.8468	2.07386	32.055	9.6509	24.7101	24.7089
72	85.0317	0.8503	2.02165	32.061	9.6371	24.717	24.7157
76	84.989	0.8428	2.00263	32.0658	9.6235	24.723	24.7216
80	84.9434	0.8444	1.99766	32.0729	9.6179	24.7294	24.728
84	84.971	0.8378	2.02548	32.0745	9.6018	24.7332	24.7318
88	84.8378	0.8395	1.99453	32.0777	9.5879	24.7379	24.7364
92	84.7231	0.8473	2.01197	32.0804	9.5853	24.7405	24.7389
96	84.5974	0.8393	2.03673	32.0844	9.5783	24.7448	24.7431
100	84.6337	0.8422	2.04406	32.0869	9.5625	24.7493	24.7475
104	84.818	0.8319	2.11606	32.0902	9.5604	24.7521	24.7503
108	84.2818	0.8335	2.09576	32.0954	9.5651	24.7555	24.7536
112	83.6026	0.8362	2.05874	32.1029	9.5856	24.758	24.756
116	82.5672	0.8481	2.14021	32.1187	9.6434	24.7611	24.759
120	82.16	0.8744	2.20883	32.1305	9.6738	24.7654	24.7632
124	81.8532	0.8946	2.21222	32.1355	9.6568	24.772	24.7698
128	81.4625	0.8777	2.19813	32.1433	9.6595	24.7777	24.7754
132	80.7587	0.8859	2.15516	32.1521	9.6767	24.7818	24.7794
136	79.7753	0.8964	2.15383	32.1557	9.6604	24.7872	24.7848
140	79.5502	0.8979	2.06067	32.1515	9.6271	24.7893	24.7869
144	78.0582	0.8992	1.94643	32.1493	9.6103	24.7903	24.7878
148	76.5694	0.9143	1.81643	32.1488	9.6008	24.7915	24.7889

Station = 80907901
 Date & Time = Sept 5 2003 16:13
 Latitude = 49 25.72 N
 Longitude = 126 3.16 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
12	81.8755	5.1151	3.39619	31.6322	11.491	24.0673	24.067
16	84.7124	3.6595	2.98338	31.825	10.8185	24.3357	24.3353
20	84.724	1.9991	2.81665	31.8845	10.5209	24.4331	24.4327
24	85.2098	2.0229	2.65167	31.9253	10.3093	24.5006	24.5001
28	85.5869	1.368	2.32338	31.9463	10.2095	24.5337	24.5332
32	85.774	1.2021	2.33646	31.9654	10.0623	24.573	24.5724
36	85.8667	1.044	2.44004	31.9771	9.9653	24.5981	24.5975
40	85.7885	1.0222	2.50432	31.9932	9.9159	24.6188	24.6181
44	85.4781	1.1387	2.50721	32.0127	9.8728	24.6411	24.6403
48	85.3812	1.0497	2.48171	32.0238	9.8224	24.6579	24.6571
52	85.1429	1.0596	2.42568	32.0396	9.7893	24.6757	24.6747
56	85.3826	0.9761	2.33254	32.0399	9.6944	24.6913	24.6903
60	85.1448	0.9508	2.17987	32.0449	9.6545	24.7017	24.7006
64	85.0251	0.9279	2.12327	32.0482	9.6387	24.7068	24.7057
68	84.6825	0.9227	2.0339	32.0542	9.6169	24.7149	24.7138
72	84.5624	0.9211	1.93165	32.0601	9.6052	24.7214	24.7202
76	84.7726	0.9146	2.04655	32.0682	9.6052	24.7278	24.7265
80	84.5557	0.9129	1.93327	32.0731	9.5865	24.7346	24.7332
84	84.3562	0.9086	1.88449	32.076	9.5778	24.7383	24.7368
88	83.9263	0.903	1.8437	32.0805	9.5677	24.7434	24.7419
92	83.3666	0.9096	1.78548	32.0843	9.56	24.7476	24.746
96	82.7061	0.938	1.71344	32.088	9.5502	24.7521	24.7504
100	81.8238	0.9064	1.68792	32.094	9.5462	24.7574	24.7557
104	81.3459	0.9106	1.70051	32.0974	9.5463	24.76	24.7582
108	81.0607	0.9195	1.72695	32.1033	9.5487	24.7643	24.7624
112	80.6389	0.9154	1.80684	32.112	9.556	24.7699	24.768
116	78.9409	0.9362	1.80364	32.1221	9.5767	24.7745	24.7724
120	78.2686	0.9427	1.84114	32.128	9.5882	24.7772	24.7751

Station = 80908001
 Date & Time = Sept 5 2003 16:52
 Latitude = 49 26.31 N
 Longitude = 126 2.75 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	73.4585	10.7519	2.19213	31.3876	14.0787	23.3811	23.381
8	78.6851	11.0111	2.27836	32.7413	12.4614	24.748	24.7478
12	72.2301	8.1867	2.54799	32.3902	11.3998	24.6727	24.6724
16	83.7059	9.3756	2.88246	32.0438	10.6569	24.5339	24.5336
20	83.186	8.0407	2.87499	31.969	10.4211	24.5158	24.5154
24	85.143	4.6288	2.5402	31.9673	10.2746	24.5391	24.5387
28	85.6533	2.4961	2.4806	31.9666	10.1872	24.5532	24.5527
32	85.8364	1.6922	2.42858	31.971	10.09	24.5727	24.5721
36	85.8656	1.5573	2.36055	31.9915	9.9617	24.6099	24.6093
40	85.9811	1.4007	2.40402	32.0065	9.8583	24.6386	24.6379
44	85.7219	1.3609	2.1644	32.0143	9.8033	24.6536	24.6528
48	85.6074	1.3682	2.20343	32.025	9.7497	24.6707	24.6698
52	85.564	1.3141	2.14714	32.0373	9.6935	24.6894	24.6885
56	85.1763	1.2254	2.07117	32.0496	9.6421	24.7073	24.7063
60	84.9282	1.3436	1.94812	32.0529	9.6267	24.7124	24.7114
64	84.8576	1.1841	1.88382	32.0575	9.6107	24.7185	24.7174
68	84.4388	1.1728	1.78941	32.0606	9.6021	24.7224	24.7212
72	84.4875	1.193	1.7241	32.0621	9.5964	24.7244	24.7232
76	84.4528	1.1614	1.70089	32.0631	9.5932	24.7257	24.7244
80	83.2475	1.158	1.59369	32.0687	9.5805	24.7321	24.7307
84	81.6323	1.1805	1.35629	32.072	9.5742	24.7357	24.7343
88	81.0221	1.1818	1.32531	32.0771	9.5677	24.7407	24.7392

Station = 80908101
 Date & Time = Sept 5 2003 17:54
 Latitude = 49 22.80 N
 Longitude = 126 5.10 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	70.7315	13.5762	5.57361	30.5468	15.5069	22.4331	22.4329
8	77.5218	9.0174	4.95008	30.9164	13.8022	23.0735	23.0732
12	81.4058	4.7748	4.03864	31.0947	12.9792	23.3734	23.3731
16	82.1331	3.9974	3.90364	31.108	12.8508	23.4084	23.408
20	82.6942	3.5309	3.68756	31.167	12.6314	23.496	23.4955
24	84.0792	3.168	3.7192	31.2223	12.4308	23.5767	23.5762
28	83.5732	2.3452	3.71094	31.2669	12.4125	23.6147	23.6141
32	80.0861	3.5071	4.0217	31.3459	12.5079	23.658	23.6572
36	79.0556	5.4181	4.21761	31.4041	12.4393	23.716	23.7151
40	79.7119	5.5498	4.10021	31.534	12.0832	23.8832	23.8823
44	81.7455	4.1551	3.79696	31.5785	11.8282	23.9646	23.9636
48	81.8099	3.5893	3.74969	31.576	11.8345	23.9615	23.9604
52	82.0951	3.5159	3.71618	31.5775	11.8071	23.9677	23.9665
56	82.0675	3.3769	3.6768	31.5802	11.8055	23.97	23.9688
60	81.9695	3.5144	3.71676	31.5809	11.8029	23.9711	23.9697
64	82.0288	3.4876	3.71476	31.588	11.7804	23.9807	23.9792
68	83.2051	2.9232	3.57594	31.608	11.6579	24.0185	24.017
72	83.1747	2.5143	3.51675	31.6099	11.6442	24.0224	24.0208
76	82.995	2.5636	3.51193	31.6194	11.6363	24.0312	24.0296
80	82.7952	2.7758	3.55357	31.6287	11.6337	24.0389	24.0372
84	82.8765	2.7703	3.54927	31.635	11.6129	24.0476	24.0457
88	83.0546	2.6443	3.52601	31.6444	11.5761	24.0615	24.0595
92	83.0789	2.5632	3.49685	31.6599	11.5403	24.08	24.078
96	82.9823	2.5855	3.50009	31.6785	11.499	24.1019	24.0998
100	82.9579	2.5317	3.50169	31.6817	11.4894	24.1061	24.1039
104	82.8743	2.5174	3.49918	31.6851	11.4792	24.1105	24.1082
108	82.8921	2.4858	3.48361	31.6856	11.4792	24.1109	24.1086
112	82.8519	2.4979	3.50359	31.6876	11.4746	24.1133	24.1109
116	82.7746	2.4935	3.47414	31.697	11.4451	24.1259	24.1234
120	82.7998	2.5038	3.46867	31.6951	11.4489	24.1237	24.1211
124	82.7154	2.421	3.4753	31.6986	11.4364	24.1287	24.126
128	82.7944	2.4299	3.46893	31.6984	11.4377	24.1283	24.1255
132	82.7558	2.4987	3.46025	31.6985	11.4327	24.1293	24.1264
136	82.806	2.3654	3.45661	31.6991	11.4312	24.13	24.1271
140	83.1945	2.4272	3.38595	31.7031	11.3823	24.1419	24.1388

Station = 80908201
 Date & Time = Sept 6 2003 13:06
 Latitude = 49 17.87 N
 Longitude = 125 48.68 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	62.9174	23.8965	5.63611	29.9559	14.5027	22.1904	22.1903
8	81.0008	17.3559	4.25439	30.023	14.1268	22.3189	22.3187
12	82.8532	3.9068	4.0226	30.0814	14.0444	22.3806	22.3802
16	83.0978	3.1073	3.90691	30.1263	13.9762	22.4289	22.4284
20	84.2423	2.4823	3.93003	30.1849	13.9885	22.4716	22.4711
24	84.099	1.7503	3.96679	30.2615	13.9509	22.5383	22.5376
28	83.7037	2.002	4.06622	30.3406	13.8787	22.6138	22.613
32	83.3085	2.128	4.11389	30.421	13.7833	22.6949	22.694
36	82.7201	2.2611	4.12061	30.496	13.6975	22.7699	22.769
40	82.8637	2.3818	4.17853	30.5551	13.6355	22.8278	22.8268
44	82.8943	2.3438	4.1872	30.6116	13.5654	22.8854	22.8842
48	82.6625	2.2382	4.19776	30.6744	13.4811	22.9505	22.9492
52	81.6381	2.2703	4.18747	30.735	13.4221	23.009	23.0076
56	79.3785	2.5631	-9.99E-29	30.8077	13.3454	23.0803	23.0788

Station = 80908502
 Date & Time = Sept 6 2003 13:55
 Latitude = 49 14.90 N
 Longitude = 125 52.99

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	77.3391	10.9898	4.24639	30.0906	14.3131	22.3331	22.333
8	77.8103	7.9041	4.21447	30.1547	14.2391	22.3976	22.3974
12	77.5425	7.2424	4.20804	30.2856	14.1186	22.523	22.5226
16	77.01	7.4725	4.41296	30.3311	14.0828	22.5653	22.5649
20	76.159	7.6725	4.51054	30.4319	13.9745	22.665	22.6644
24	75.8965	7.4569	4.66011	30.4856	13.9173	22.7179	22.7172
28	75.8873	7.3878	4.64903	30.5368	13.855	22.7699	22.7691
32	76.0744	7.5003	4.64683	30.5397	13.8474	22.7737	22.7728
36	76.2506	7.2053	4.64511	30.5729	13.7999	22.8088	22.8078
40	76.4903	7.0133	4.61606	30.6454	13.703	22.8842	22.8831

Station = 80908601
 Date & Time = Sept 6 2003 14:20
 Latitude = 49 13.93 N
 Longitude = 125 56.37 W

Depth (m)	Transmission (%)	Fluorescence (mg/m ³)	Oxygen (ml/l)	Salinity (PSU)	Pot. Temp. (deg. C)	Density Sigma-theta	Density Sigma-t
4	72.2826	14.478	4.25178	30.3176	14.2001	22.5311	22.531
8	73.4415	13.1943	4.49166	30.3955	14.0974	22.612	22.6118
12	75.0812	9.9095	4.60439	30.6222	13.7903	22.8488	22.8485
16	75.5503	8.5891	4.49067	30.7815	13.5737	23.0149	23.0145