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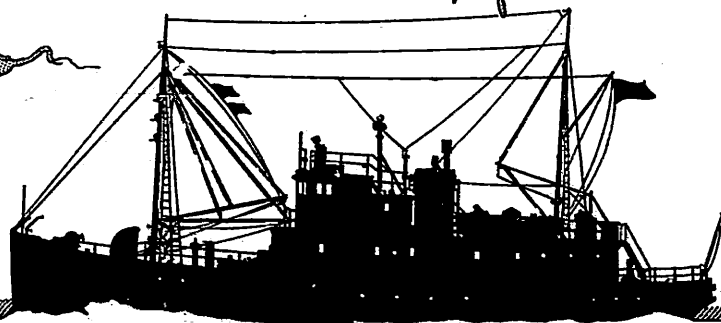
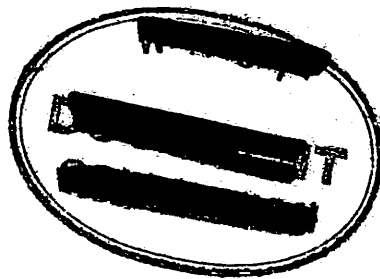
Technical Report No. 45

PHYSICAL AND CHEMICAL DATA
PUGET SOUND AND APPROACHES

January-December 1953

Office of Naval Research
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March 1956



SEATTLE 5, WASHINGTON

UNIVERSITY OF WASHINGTON DEPARTMENT OF OCEANOGRAPHY

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PHYSICAL AND CHEMICAL DATA
FOR PUGET SOUND AND APPROACHES
January - December 1953

by

Clifford A. Barnes and Eugene E. Collias

Technical Report No. 45

Office of Naval Research
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Richard H. Fleming
Executive Officer

ABSTRACT

This report tabulates physical and chemical observations made at various locations in Puget Sound and approaches by the Department of Oceanography of the University of Washington on the research vessels BROWN BEAR and ONCORHYNCHUS. The observations were made at approximately 55 locations at monthly intervals during the period January through December 1953. Charts show the positions of the stations sampled. Values are given for temperature, salinity, dissolved oxygen and dissolved inorganic phosphate over a range of depths from the surface to the bottom as determined using accepted oceanographic techniques.

INTRODUCTION

This report contains inshore data collected from January through December 1953 by the University of Washington personnel aboard the Department of Oceanography research vessel BROWN BEAR and the School of Fisheries research vessel ONCORHYNCHUS. Station location charts are presented before the data for each cruise (see pages 1, 13, 32, 46, 60, 74, 86, 101, 118, 134, 150, 164 and 178). Cruise 44 (pages 179 to 181) was a time study conducted in Admiralty Inlet in December 1953. Current observations, to be presented in another report, were observed simultaneously with temperature and salinity measurements. Additional inshore data not contained in this report were obtained with the Salinity-Temperature-Depth Recorder (1) and various current meters.

Station Numbering System

All stations occupied by the BROWN BEAR are numbered consecutively, independent of their location. Stations occupied by the ONCORHYNCHUS are numbered consecutively in a second series prefixed by the letter A.

Sampling Bottles

Water samples were taken with Nansen bottles, enlarged modified $2\frac{1}{2}$ -liter Knudsen bottles and Fjarlie bottles (2).

Determination of Properties

Deep-sea reversing thermometers were used to determine temperature. Copenhagen standard sea water was used exclusively as the

standard in determination of salinity of the sea water. Dissolved oxygen was determined by the modified Winkler method described by Thompson and Robinson (3). Beginning in July 1953, soluble phosphate was routinely determined. The method described by Thompson and Robinson (4) was used except that the color intensity was measured by either a Beckman Spectrophotometer Model DU (5) or an electric eye photometer (6) rather than Nessler tubes. The phosphate data, corrected for salt error, are reported conventionally to the second decimal place in microgram-atoms per liter, although it is realized that the individual determinations may be in error by 5 to 10 percent. The phosphate results for the July, August, September and October cruises are presented in appendices A, B, C and D respectively, pages 183 to 212. Soluble silicate, observed on the July 1953 cruise of the BROWN BEAR, was determined by the method described by Thompson and Robinson (7) and is presented in Appendix A. The depths reported for subsurface observations were calculated from measured wire angle and unprotected reversing thermometer readings as described by LaFond (8).

Data

The time at which the messenger was dropped on the first cast is listed for the +8 time zone. Positions are given to the nearest 0.1 minute. Depth in fathoms was obtained with the aid of a Navy NMC echo sounder aboard the BROWN BEAR and a Bendix Depth Finder Model DR-3 aboard the ONCORHYNCHUS. Weather is reported in the Navy bathythermograph weather code given in H. O. Publication No. 606-c, except in cases where the only weather phenomenon reported is the

state of the sky. For the state of the sky the following symbols were used: b., clear sky; b.c., blue sky with detached clouds; c. sky mainly cloudy; and o., sky overcast. Wind velocity is reported in knots. Dry and wet bulb air temperatures are reported in degrees Fahrenheit ($^{\circ}\text{F}$). The dry bulb reading is listed first, followed by a virgule (/) and then the wet bulb reading.

All data are actual observed values. The maximum depth of sampling was governed by the depth of water. All clearly questionable data have been excluded.

The presentation of these data in this form does not constitute publication. Subsequent, more rigorous analyses of these data may disclose errors which are not apparent at this time.

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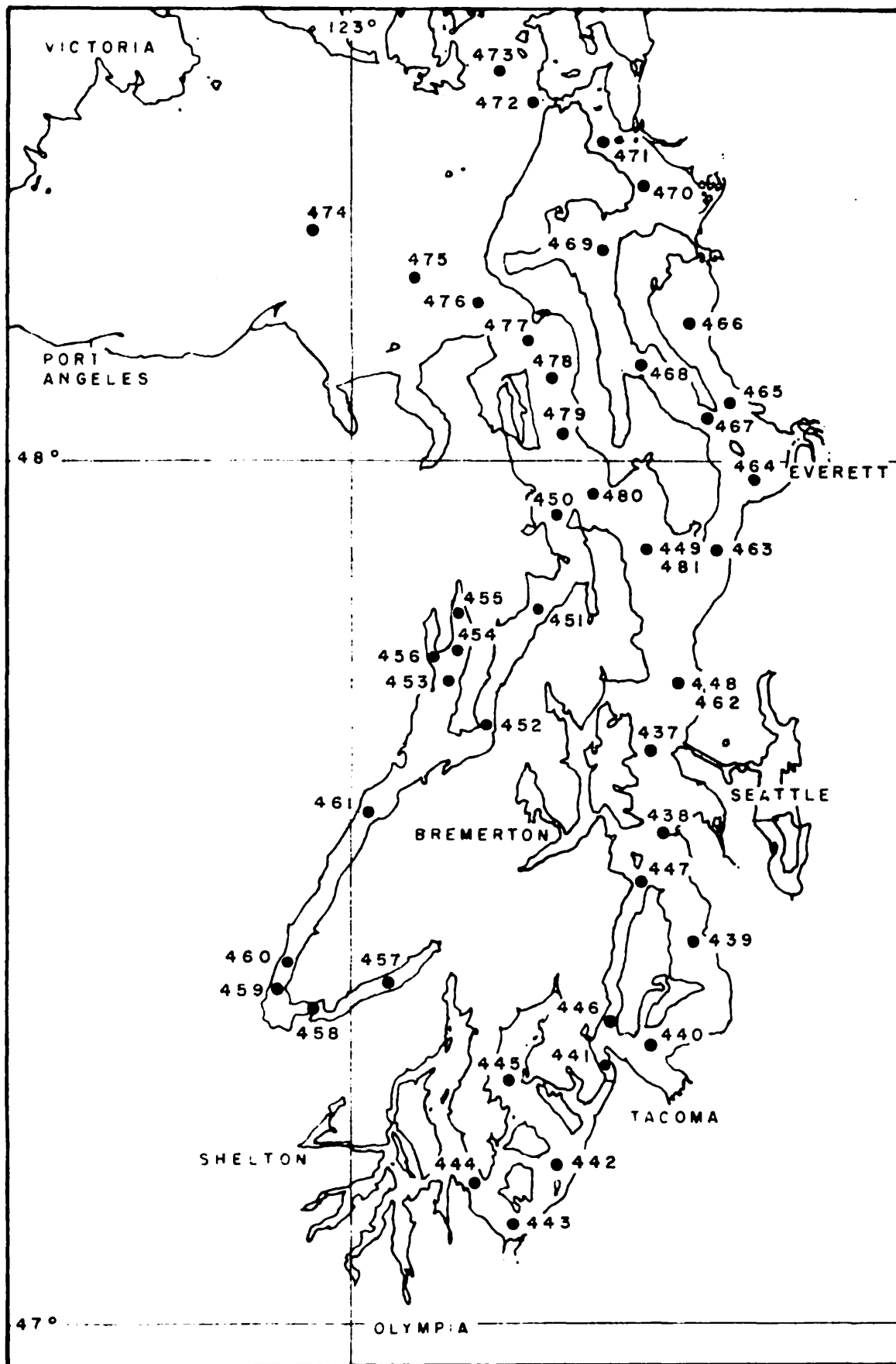
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Gast, James A.	Research Assistant
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Tallman, James	Machinist
Toner, Miss Roberta J.	Clerk
Tucker, Donald	Laboratory Assistant
Walder, George	Junior Research Engineer
Wanamaker, Alice	Secretary
Yentch, Charles	Research Assistant

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Oceanographic Station Locations
Brown Bear Cruise 20
21-27 January 1953

STA 437 47° 39.9' N WEATHER o. 21 Jan 53 122° 28.4' W WIND S 15 1116 (+8) DEPTH 125 fm 46°/46°F West Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.39	29.16	0.532
5	8.36	29.20	0.531
10	8.46	29.86	0.524
20	8.47	30.00	0.518
29	8.47	30.24	0.510
48	8.48	30.35	0.507
71	8.49	30.40	0.505
82	8.49	30.42	0.505
123	8.61	30.56	0.498
139	8.60	30.56	0.488
175	8.68	30.71	0.477

STA 438 47° 34.6' N WEATHER o. 21 Jan 53 122° 26.6' W WIND SSW 18 1345 (+8) DEPTH 135 fm 46°/44°F Alki Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.67	30.36	0.498
5	8.66	30.36	0.498
10	8.68	30.36	0.493
19	8.66	30.38	0.498
28	8.67	30.38	0.495
47	8.67	30.38	0.495
71	8.67	30.41	0.494
98	8.68	30.45	0.495
138	8.70	30.45	0.492
177	8.72	30.51	0.485
216	8.68	30.60	0.487

STA 439 47° 26.5' N WEATHER o. 21 Jan 53 122° 23.8' W WIND SW 16 1603 (+8) DEPTH 131 fm 47°/44°F Pully Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.52	29.51	0.528
5	8.56	29.66	0.531
10	8.61	29.86	0.517
20	8.60	29.96	0.513
30	8.65	30.06	0.508
49	8.68	30.16	0.495
73	8.68	30.26	0.484
95	8.70	30.36	0.485
133	8.71	30.46	0.480
181	8.70	30.56	0.479
209	8.66	30.66	0.474

STA 440 47° 19.6' N WEATHER o. 21 Jan 53 122° 28.1' W WIND SW 12 1824 (+8) DEPTH 94 fm 47°/45°F Brown Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.54	29.51	0.528
5	8.62	29.66	0.531
9	8.68	29.86	0.517
18	8.68	29.96	0.513
27	8.72	30.06	0.508
45	8.70	30.16	0.495
77	8.67	30.26	0.484
90	8.70	30.36	0.485
117	8.69	30.46	0.480
144	8.71	30.56	0.479

STA 441 47° 16.7' N WEATHER 0. 21 Jan 53 122° 32.3' W WIND SW 10 1950 (+8) DEPTH 33 fm 45°/43°F Pt. Evans			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.68	-----	0.492
46	8.72	-----	0.449

STA 442 47° 11.2' N WEATHER 62 21 Jan 53 122° 37.8' W WIND SE 10 3112 (+8) DEPTH 94 fm 46°/43°F Pt. Gordon			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.54	-----	-----
4	8.61	29.70	-----
8	8.62	29.78	-----
18	8.61	29.78	-----
27	8.60	29.80	-----
45	8.60	29.82	-----
68	8.60	29.88	-----
90	8.64	29.96	-----
107	8.64	30.17	-----
131	8.71	30.22	-----

STA 443 47° 07.3' N WEATHER 0. 21 Jan 53 122° 42.8' W WIND SW 15 2240 (+8) DEPTH 35 fm 46°/44°F Nisqually Reach			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.32	26.66	0.527
5	8.63	29.77	0.494
10	8.68	30.05	0.487
19	8.68	30.09	0.482
39	8.72	30.18	0.488
57	8.70	30.20	-----

STA 444 47° 10.0' N WEATHER 0. 21 Jan 53 122° 47.1' W WIND S 12 2305 (+8) DEPTH 48 fm 46°/44°F Devil's Head			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.49	29.13	0.502
5	8.51	29.15	0.502
10	8.56	29.44	0.494
20	8.65	29.89	0.484
30	8.68	29.96	0.478
50	8.67	30.02	0.479
75	8.68	30.08	0.480

STA 445 47° 16.5' N WEATHER 63 22 Jan 53 122° 42.6' W WIND SW 8 0530 (+8) DEPTH 51 fm 46°/45°F Green Pt.			
Depth (m)	Temp (°C)	Sal (°/‰)	O ₂ (mg-at/L)
0	8.57	29.90	0.509
5	8.56	29.89	0.478
15	8.50	29.89	0.519
25	8.52	29.90	0.524
35	8.54	29.97	0.498
55	8.70	30.18	0.488
80	8.66	30.08	0.462

STA 446 47° 21.1' N WEATHER 63 22 Jan 53 122° 32.4' W WIND N 4 0917 (+8) DEPTH 55 fm 44°/44°F Spring Beach			
Depth (m)	Temp (°C)	Sal (°/‰)	O ₂ (mg-at/L)
0	8.56	29.52	0.505
5	8.60	30.19	0.500
10	8.66	30.22	0.493
20	8.66	30.34	0.494
30	8.69	30.38	0.489
50	8.68	30.40	0.485
70	8.68	30.40	0.487
90	8.68	30.43	-----

STA 447 47° 30.6' N WEATHER 0. 22 Jan 53 122° 29.1' W WIND ESE 7½ 1051 (+8) DEPTH 60 fm 44°/44°F Pt. Vashon			
Depth (m)	Temp (°C)	Sal (°/‰)	O ₂ (mg-at/L)
0	8.62	30.20	0.537
5	8.66	30.24	0.497
10	8.67	30.26	0.491
20	8.66	30.28	0.494
30	8.66	30.28	0.494
50	8.66	30.30	0.494
75	8.66	30.31	0.496
100	8.66	30.33	0.498

STA 448 47° 44.8' N WEATHER 0. 22 Jan 53 122° 25.4' W WIND ESE 7 1323 (+8) DEPTH 155 fm 47°/45°F Pt. Jefferson			
Depth (m)	Temp (°C)	Sal (°/‰)	O ₂ (mg-at/L)
0	8.34	29.17	-----
5	8.41	29.56	-----
10	8.44	29.94	-----
20	8.40	30.05	-----
30	8.38	30.14	-----
50	8.34	30.17	-----
100	8.43	30.33	-----
150	8.48	30.41	-----
200	8.54	30.47	-----
240	8.66	30.57	-----
270	8.69	30.66	-----

STA 449 47° 54.3' N WEATHER 0. 22 Jan 53 122° 28.7' W WIND ESE 13 1521 (+8) DEPTH 110-9 fm 48°/47°F Pt. No Point			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.26	29.11	-----
5	8.28	29.22	-----
10	8.28	29.40	-----
19	8.28	29.79	-----
29	8.40	30.30	-----
49	8.51	30.36	-----
71	8.60	30.53	-----
94	8.58	30.51	-----
121	8.59	30.52	-----
148	8.68	30.60	-----

STA 450 47° 56.2' N WEATHER 10 22 Jan 53 122° 38.1' W WIND NW 4 1646 (+8) DEPTH 65 fm 46°/45°F Talo Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.03	27.44	0.561
5	8.07	28.95	0.540
10	8.11	29.56	0.535
20	8.13	30.20	dumped
30	8.14	30.29	0.518
50	8.12	30.33	0.517
75	8.08	30.49	0.520
100	8.00	30.61	0.521

STA 451 47° 49.1' N WEATHER 10 22 Jan 53 122° 39.6' W WIND NW 4 1826 (+8) DEPTH 37 fm 46°/45°F South Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.08	27.01	0.548
5	8.07	27.37	0.545
10	8.00	27.38	0.546
20	8.14	29.78	0.517
30	8.13	30.26	0.515
55	8.23	30.51	0.494

STA 452 47° 41.9' N WEATHER 62 22 Jan 53 122° 45.7' W WIND SSE 5 2007 (+3) DEPTH 68 fm 46°/45°F Hazel Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.15	26.72	0.544
5	8.21	27.57	0.530
10	8.23	28.45	0.518
20	8.27	30.26	0.498
30	8.34	30.49	0.482
50	8.41	30.57	0.468
80	8.62	30.78	0.430
110	8.64	30.80	0.425

STA 453 47° 44.8' N WEATHER 52 22 Jan 53 122° 49.7' W WIND NNW 2 2142 (+8) DEPTH 106 fm 44°/44°F Tabook Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.93	26.06	0.586
5	7.94	26.43	0.587
10	8.01	26.46	0.588
20	8.46	30.15	0.475
30	8.66	30.51	0.438
40	8.68	30.60	0.431
50	8.73	30.71	0.421
75	9.10	30.90	0.354
100	8.93	30.92	0.378
140	8.86	30.97	0.394
180	8.94	30.99	0.360

STA 454 47° 46.8' N WEATHER 52 22 Jan 53 122° 48.7' W WIND NNE 1 2245 (+8) DEPTH 87 fm 44°/44°F Bolton Peninsula, East of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.51	25.26	0.602
5	7.89	26.02	0.592
10	8.48	29.87	0.478
20	8.38	30.26	0.475
30	8.46	30.41	0.464
40	8.51	30.46	0.454
50	8.62	30.57	0.434
75	9.11	30.80	0.348
100	9.05	30.86	0.356

STA 455 47° 49.9' N WEATHER 0. 22 Jan 53 122° 48.6' W WIND NE 2 2355 (+8) DEPTH 25 fm 44°/43°F Dabob Bay			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.72	25.68	0.600
5	8.35	28.43	0.515
10	8.54	30.06	0.443
20	8.55	30.31	0.454
30	8.52	30.43	0.445
40	8.56	30.52	0.448

STA 456 47° 46.5' N WEATHER 0. 23 Jan 53 122° 51.4' W WIND NE 6 0058 (+8) DEPTH 38 fm 44°/43°F Quilcene Bay			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.91	-----	0.587
5	8.02	-----	0.573
10	8.10	-----	0.560
20	8.62	-----	0.443
30	8.76	30.59	0.406
50	8.84	30.73	0.358
70	9.05	30.94	0.354

STA 457 47° 23.9' N WEATHER 52 23 Jan 53 122° 55.7' W WIND SW 12 0658 (+8) DEPTH 10 fm 50°/50°F Lynch Cove			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.04	17.45	0.597
5	9.02	25.69	0.424
10	9.34	29.98	0.271
15	9.38	30.38	0.249

STA 458 47° 21.5' N WEATHER 53 23 Jan 53 123° 03.7' W WIND SSW 17 0834 (+8) DEPTH 64 fm 51°/51°F Tahuya River			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.90	13.50	0.631
5	9.02	29.69	0.386
10	9.12	29.41	0.378
20	9.28	30.23	0.324
30	9.36	30.63	0.290

STA 459 47° 23.6' N WEATHER 53 23 Jan 53 123° 07.7' W WIND SSW 17 0957 (+8) DEPTH 22 fm 51°/51°F Nisquetti Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.52	24.81	0.522
5	8.51	27.87	0.504
10	8.60	29.55	0.478
20	9.12	30.37	0.391
30	9.08	30.54	0.386
40	9.26	30.71	0.353
50	9.31	30.78	0.320
75	9.24	30.92	0.327
100	9.18	30.99	0.347

STA 460 47° 25.7' N WEATHER 0. 23 Jan 53 123° 06.5' W WIND SSW 25 1115 (+8) DEPTH 71 fm 51°/51°F Red Bluff			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.58	-----	0.517
5	8.62	-----	0.506
10	8.89	-----	0.434
19	8.97	-----	0.399
28	9.15	-----	0.386
37	9.28	-----	0.337
48	9.18	-----	0.363
73	9.24	-----	0.321
96	9.18	-----	0.356

STA 461 47° 35.7' N WEATHER o. 23 Jan 53 122° 58.1' W WIND SW 20 1401 (+8) DEPTH 96 fm 54°/51°F Teku Pt			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.50	26.36	0.540
5	8.41	26.83	0.535
9	8.36	29.23	0.510
18	8.42	30.34	0.480
27	8.48	30.48	0.467
36	8.49	30.66	0.458
45	8.51	30.68	0.443
71	8.66	30.81	0.428
93	8.80	30.91	0.404
103	9.03	30.99	0.378
126	8.93	30.99	0.384

STA 462 47° 44.6' N WEATHER 10 26 Jan 53 122° 25.2' W WIND S 9 1219 (+8) DEPTH 154 fm 40°/39°F Pt. Jefferson			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.28	29.08	0.555
5	8.27	29.20	0.554
10	8.44	29.76	0.515
20	8.41	29.87	0.532
30	8.44	30.03	0.522
50	8.40	30.18	0.517
100	8.41	30.23	0.512
150	8.50	30.43	0.502
200	8.62	30.55	0.492
240	8.64	30.59	0.494
270	8.65	30.59	0.490

STA 463 47° 53.6' N WEATHER o. 26 Jan 53 122° 21.4' W WIND SSE 10 1415 (+8) DEPTH 120 fm 40°/38°F Possession Pt			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.38	19.09	0.626
5	8.16	28.14	0.561
10	8.24	29.05	0.556
20	8.28	29.41	0.552
30	8.36	29.66	0.537
50	8.40	30.18	0.515
75	8.56	30.36	0.494
100	8.56	30.43	0.490
140	8.88	30.59	0.443
180	9.02	30.66	0.418
215	9.06	30.69	0.415

STA 464 47° 58.5' N WEATHER o. 26 Jan 53 122° 16.9' W WIND SSE 15 1537 (+8) DEPTH 73 fm 40°/39°F Port Gardner			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.84	12.21	0.668
5	7.96	24.79	0.571
10	8.12	27.47	0.569
20	8.34	29.23	0.540
30	8.40	29.80	0.522
50	8.68	30.24	0.450
80	8.78	30.43	0.429
120	9.04	30.60	0.414

STA 465 48° 04.1' N WEATHER c.
26 Jan 53 122° 19.8' W WIND SSE 14
1644 (+8) DEPTH 65 fm 41°/39°F
Camano Head, East of

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.30	7.94	0.700
5	7.93	23.52	0.584
10	8.34	28.14	0.533
20	8.48	29.55	0.511
30	8.52	29.82	0.503
50	8.77	30.27	0.461
80	9.18	30.66	0.407
110	9.48	30.90	0.338

STA 466 48° 09.2' N WEATHER c.
26 Jan 53 122° 24.6' W WIND SSE 15
1750 (+8) DEPTH 45 fm 41°/39°F
Port Susan, Head of

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.57	10.90	0.696
5	7.68	20.07	0.608
10	8.24	26.76	0.540
20	8.56	29.47	0.504
30	8.68	29.79	0.482
50	8.74	30.05	0.478
75	8.94	30.43	0.441

STA 467 48° 02.8' N WEATHER c.
26 Jan 53 122° 22.7' W WIND SSE 8
1927 (+8) DEPTH 95 fm 40°/38°F
Camano Head, West of

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.00	15.77	0.660
5	7.76	22.54	0.608
10	8.18	25.85	0.558
20	8.47	29.43	0.514
30	8.54	29.96	0.492
50	8.47	30.14	0.502
75	8.68	30.36	0.481
100	8.77	30.42	0.468
150	9.08	30.60	0.421

STA 468 48° 06.7' N WEATHER c.
26 Jan 53 122° 29.8' W WIND SSE 10
2038 (+8) DEPTH 74 fm 39°/38°F
East Pt.

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.26	19.09	0.628
5	7.64	22.05	0.606
10	8.17	25.78	0.548
19	8.68	29.71	0.473
29	8.49	29.87	0.499
49	8.62	30.15	0.481
73	8.86	30.32	0.449
98	9.02	30.48	0.427
127	9.08	30.53	0.421

STA 469 48° 14.0' N WEATHER o. 26 Jan 53 122° 34.8' W WIND SSE 31 2223 (+8) DEPTH 25 fm 40°/38°F Snatelum Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.97	19.11	0.641
5	6.94	19.09	0.633
10	7.73	22.34	0.605
20	8.74	29.24	0.457
30	8.85	29.99	0.447
40	8.90	30.22	0.444

STA 470 ----- WEATHER o. 21 Jan 53 WIND SSE 8 0702 (+8) DEPTH 17 fm 42°/40°F Strawberry Pt., North of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.93	18.35	0.641
5	7.18	20.03	0.627
10	7.26	20.44	0.625
20	8.76	29.51	0.464

STA 471 48° 21.4' N WEATHER -- 27 Jan 53 122° 33.1' W WIND 10 2757 (+8) DEPTH 7 fm 42°/40°F Goat Island, West of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	5.20	7.27	0.710
5	7.37	20.61	0.605
10	8.19	25.44	0.540

STA 472 48° 25.0' N WEATHER 53 27 Jan 53 122° 35.8' W WIND SE 10 0842 (+8) DEPTH 20 fm 41°/40°F Dewey			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.82	17.68	0.632
5	6.86	19.60	0.614
10	7.44	23.19	0.564
20	7.66	26.94	0.550
30	7.66	29.02	0.544

STA 473 48° 26.9' N WEATHER o. 27 Jan 53 122° 44.2' W WIND S10 0946 (+8) DEPTH 44 fm 44°/42°F Lawson Reef, North of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.56	29.37	0.554
5	7.56	29.48	0.555
10	7.60	29.67	0.548
19	7.59	29.71	0.547
29	7.62	29.75	0.546
48	7.66	30.07	0.547
73	7.74	30.28	0.538

STA 474 44° 15.6' N WEATHER o. 27 Jan 53 123° 03.4' W WIND SSW 7 1222 (+8) DEPTH 97 fm 45°/43°F New Dungeness, Northeast of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.46	30.12	0.547
5	8.32	30.35	0.538
10	8.30	30.41	0.546
20	8.22	30.59	0.531
30	8.16	30.64	0.516
50	8.07	30.79	0.535
75	7.89	30.88	0.534
100	7.88	30.93	0.505
130	7.94	31.06	0.522
160	7.95	31.05	0.517
162	7.95		

STA 475 48° 12.4' N WEATHER o. 27 Jan 53 122° 53.4' W WIND SW 4 1357 (+8) DEPTH 52-52 fm 45°/43°F Protection Island, North of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.38	30.34	0.556
5	8.36	30.34	0.549
10	8.28	30.48	0.520
20	8.24	30.53	0.541
30	8.18	30.59	0.537
50	8.15	30.70	0.539
85	8.10	30.72	0.533

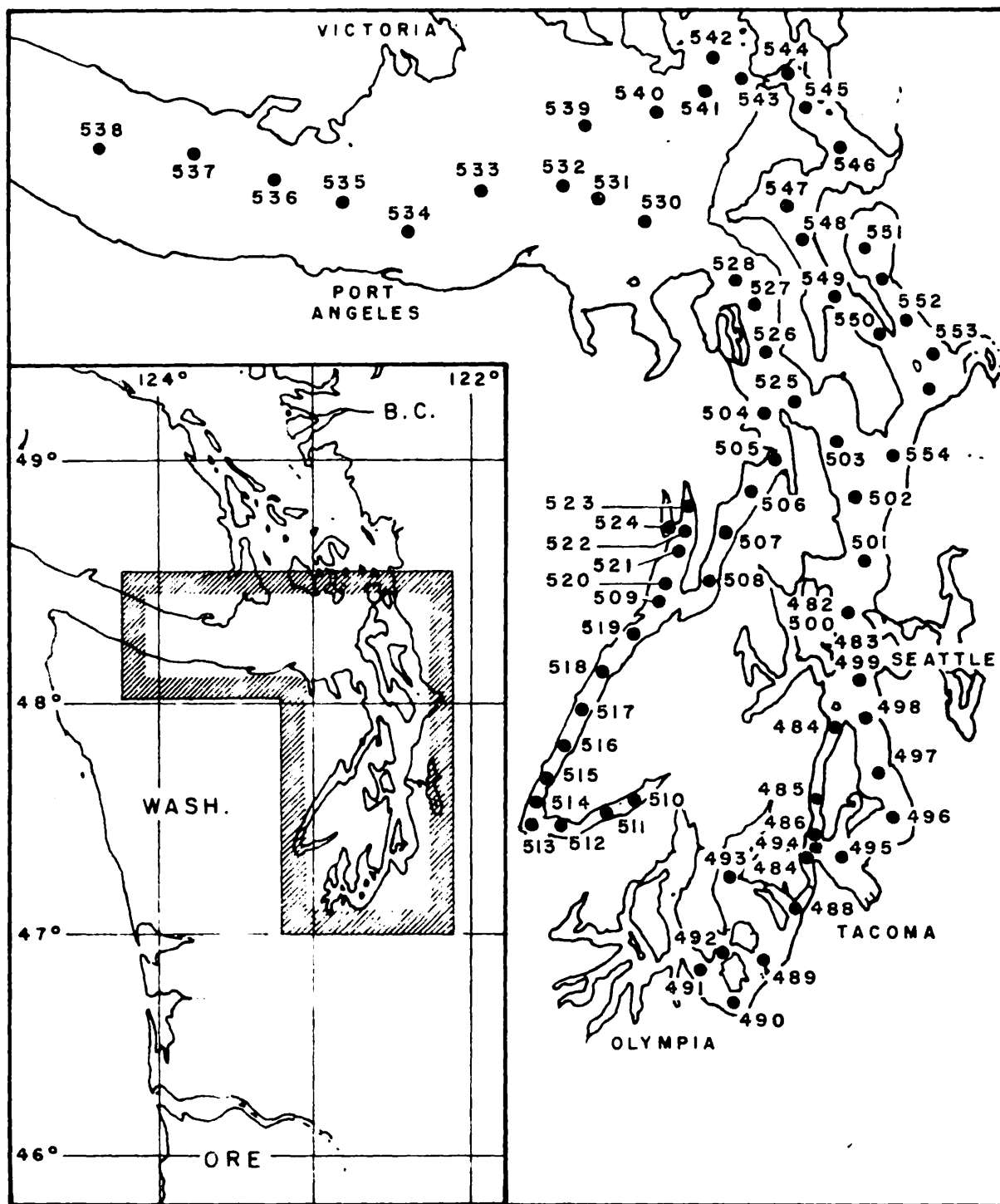
STA 476 48° 10.2' N WEATHER o. 27 Jan 53 122° 46.2' W WIND SE 6 1454 (+8) DEPTH 32-34 fm 46°/43°F Middle Point, Northeast of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.00	30.27	0.545
5	7.98	30.26	0.541
10	7.97	30.26	0.539
20	7.96	30.32	0.541
30	7.96	30.37	0.542
50	8.02	30.56	0.542

STA 477 48° 08.4' N WEATHER o. 27 Jan 53 122° 41.6' W WIND E 4 1551 (+8) DEPTH 64-56 fm 47°/44°F Port Townsend			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	8.00	30.00	0.544
5	7.99	30.11	0.544
10	7.96	30.20	0.545
20	7.95	30.29	0.536
30	7.94	30.35	0.543
50	7.96	30.41	0.542
75	7.93	30.45	0.541
100	7.91	30.45	0.542

STA 478 48° 06.5' N WEATHER o. 27 Jan 53 122° 38.9' W WIND SSE 4 1643 (+8) DEPTH 90-48 fm SSE 4 Marrowstone Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	7.96	28.96	0.555
5	7.95	29.08	0.552
10	8.00	29.51	0.546
20	7.99	29.98	0.538
29	7.98	30.09	0.542
49	7.94	30.17	0.533
73	7.94	30.17	0.533
98	7.94	30.29	0.537
128	7.96	30.29	0.531

STA 479 48° 01.7' N WEATHER o. 27 Jan 53 122° 37.5' W WIND SSE 4 1837 (+8) DEPTH 65-70 fm 45°/43°F Bush Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	7.93	28.50	0.555
5	7.97	28.59	0.554
10	8.01	28.71	0.546
20	8.01	29.01	0.538
30	8.09	29.44	0.532
50	8.16	30.06	0.522
75	8.15	30.13	0.520
100	7.98	30.36	0.531

STA 480 47° 57.0' N WEATHER c. 27 Jan 53 122° 34.9' W WIND S 17 2008 (+8) DEPTH 58 fm 45°/43°F Double Bluff			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	8.02	29.22	0.545
5	8.06	29.22	0.543
10	8.10	29.47	0.535
20	8.18	29.77	0.528
28	8.16	29.78	0.529
47	8.22	30.17	0.516
67	8.40	30.31	0.495
85	8.64	30.48	0.470



Oceanographic Station Locations
Brown Bear Cruise 21
16-20 February 1953

STA 482 47°39.8' N WEATHER 25 16 Feb 53 122°28.1' W WIND SSE 25 1102 (+8) DEPTH 124 fm 47°/46°F West Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.23	28.90	0.563
4	8.20	28.89	0.564
9	8.24	28.90	0.563
17	8.23	28.90	0.561
26	8.26	28.96	0.560
44	8.28	29.15	0.545
67	8.37	29.55	0.522
82	8.42	29.70	0.522
117	8.44	29.95	0.524
154	8.48	30.15	0.514
192	8.54	30.25	0.507

STA 483 47°33.9' N WEATHER o. 16 Feb 53 122°26.9' W WIND SW 1244 (+8) DEPTH 132 fm 49°/46°F Alki Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.28	28.99	0.556
5	8.27	28.98	0.557
10	8.28	28.97	0.557
20	8.30	29.03	0.551
30	8.34	29.06	0.550
50	8.31	29.08	0.550
75	8.35	29.12	0.548
100	8.40	29.61	0.533
140	8.52	30.14	0.519
180	8.55	30.23	0.510
220	8.50	30.22	0.511

STA 484 47° 30.6' N WEATHER o. 16 Feb 53 122° 29' W WIND SW 48 1401 (+8) DEPTH 57 fm 49°/47°F Pt. Vashon			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.32	28.99	0.552
5	8.28	29.04	0.554
10	8.33	29.09	0.557
20	8.34	29.11	0.556
30	8.36	29.15	0.551
50	8.31	29.15	0.552
75	8.34	29.18	0.548
100	8.36	29.17	0.549

STA 485 47° 24.7' N WEATHER o. 16 Feb 53 122° 21.8' W WIND SW 13 1521 (+8) DEPTH 67 fm 50°/48°F Olalla			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.36	29.19	0.548
10	8.34	29.23	0.548
20	8.36	29.21	0.551
50	8.37	29.23	0.548
100	8.40	29.26	0.551

STA 486 47° 21.1' N WEATHER o. 16 Feb 53 122° 32.4' W WIND SW 13 1613 (+8) DEPTH 57 fm 48°/48°F Spring Beach			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.38	28.48	0.551
5	8.34	29.22	0.554
10	8.38	29.19	0.551
20	8.37	29.23	0.549
30	8.40	29.24	0.548
50	8.37	29.33	0.544
75	8.42	29.44	0.538
95	8.44	29.50	0.538

STA 487 47° 18.7' N WEATHER o. 16 Feb 53 122° 33.7' W WIND SW 13 1650 (+8) DEPTH 44 fm 48°/48°F Pt. Defiance			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.18	28.66	0.569
20	8.27	28.71	0.567
40	8.37	29.13	0.555
70	8.40	29.27	0.548

STA 488 47° 14.4' N WEATHER o. 16 Feb 53 122° 34.5' W WIND SxW 8 1729 (+8) DEPTH 51 fm 48°/48°F Day Island			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.39	29.35	0.550
10	8.38	29.34	0.551
30	8.41	29.34	0.548
50	8.42	29.42	0.549

STA 489 47° 11.2' N WEATHER o. 16 Feb 53 122° 37.9' W WIND SW 12 1825 (+8) DEPTH 92 fm 48°/48°F Gordon Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.30	28.89	0.557
5	8.28	28.89	0.555
10	8.31	28.90	0.554
20	8.34	29.05	0.556
30	8.36	29.04	0.554
50	8.34	29.18	0.555
75	8.38	29.20	0.549
100	8.38	29.16	0.545
130	8.36	29.14	0.548
160	8.40	29.16	0.553

STA 490 47° 07.2' N WEATHER o. 16 Feb 53 122° 42.7' W WIND SW 8 1938 (+8) DEPTH 35 fm 49°/47°F Nisqually Reach			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.17	26.93	0.569
5	8.32	29.04	0.552
10	8.34	29.04	0.552
20	8.36	29.11	0.549
30	8.37	29.14	0.548
40	8.32	29.14	0.548
55	8.34	29.14	0.548

STA 491 47° 10.0' N WEATHER o. 16 Feb 53 122° 47.3' W WIND SSE 8 2036 (+8) DEPTH 54 fm 45°/43°F Devil's Head			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.13	28.29	0.552
5	8.12	28.29	0.548
10	8.29	28.51	0.543
20	8.32	28.72	0.539
30	8.37	28.84	0.535
50	8.30	28.91	0.516
75	8.32	28.94	0.538

STA 492 47° 10.5' N WEATHER o. 16 Feb 53 122° 44.0' W WIND S 11 2115 (+8) DEPTH 34 fm 44°/42°F Drayton Passage			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.28	28.77	-----
10	8.28	28.84	-----
20	8.30	28.83	-----
30	8.32	28.86	-----
50	8.34	28.95	-----

STA 493 47° 17.2' N WEATHER b. 16 Feb 53 122° 42.8' W WIND S 10 2259 (+8) DEPTH 49 fm 44°/42°F Green Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.12	28.90	0.582
5	8.12	28.88	0.572
10	8.14	28.89	0.574
20	8.22	28.93	0.559
30	8.29	28.96	0.562
40	8.37	29.04	0.527
60	8.42	29.13	0.531
85	8.46	29.18	0.489

STA 494 47° 19.7' N WEATHER o. 17 Feb 53 122° 32.5' W WIND S 26 0635 (+8) DEPTH 36 fm 42°/40°F Gig Harbor, Northeast of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.96	27.86	-----
10	8.34	29.11	-----
30	8.41	29.27	-----
60	8.44	29.36	-----

STA 495 47° 19.3' N WEATHER o. 17 Feb 53 122° 27.9' W WIND SW 28 0759 (+8) DEPTH 97 fm 44°/41°F Brown Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.02	28.30	0.586
5	8.02	28.30	0.586
10	8.23	28.69	0.565
20	8.37	29.04	0.557
30	8.39	29.11	0.552
50	8.36	29.25	0.544
73	8.44	29.52	0.547
97	8.48	29.81	0.531
126	8.52	30.06	0.520
155	8.56	30.22	0.515

STA 496 47° 23.1' N WEATHER o. 17 Feb 53 122° 20.4' W WIND S 15 0909 (+8) DEPTH 110 fm 49°/45°F Pt. Robinson			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.03	28.39	0.581
5	8.02	28.39	0.583
10	8.08	28.46	0.581
20	8.24	28.78	0.568
30	8.29	28.95	0.556
50	8.32	29.21	0.547
75	8.42	29.50	0.536
100	8.48	29.79	0.532
130	8.52	30.06	0.524
160	8.54	30.20	0.519
190	8.59	30.25	0.510

STA 497 47° 26.5' N WEATHER o. 17 Feb 53 122° 23.5' W WIND SW 17 1004 (+8) DEPTH 122 fm 45°/42°F Pully Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.00	28.41	0.587
5	8.00	28.44	0.586
10	8.02	28.44	0.589
20	8.04	28.45	0.585
30	8.06	28.47	0.582
50	8.34	29.17	0.545
75	8.43	29.64	0.531
100	8.50	30.01	0.519
140	8.53	30.22	0.515
180	8.58	30.27	0.510
220	8.59	30.34	0.506

STA 498 47° 30.9' N WEATHER o. 17 Feb 53 122° 25.1' W WIND SSW 12 1109 (+8) DEPTH 110 fm 45°/42°F Dolphin Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.16	28.78	0.574
5	8.13	28.78	0.574
10	8.16	28.77	0.572
15	8.16	28.78	0.574
25	8.18	28.86	0.547
35	8.18	28.93	0.549
55	8.32	29.22	0.529
80	8.41	29.69	0.508
105	8.43	29.87	0.505
145	8.50	30.08	0.512
185	8.63	30.28	0.498

STA 499 47° 34.2' N WEATHER o. 17 Feb 53 122° 27.0' W WIND SSW 13 1204 (+8) DEPTH 131 fm 46°/43°F Alki Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.27	29.08	-----
5	8.24	29.02	-----
10	8.28	29.13	-----
20	8.30	29.17	-----
30	8.31	29.17	-----
50	8.28	29.18	-----
75	8.30	29.20	-----
100	8.38	29.48	-----
140	8.43	29.94	-----
180	8.52	30.18	-----
220	8.56	30.21	-----

STA 500 47° 39.8' N WEATHER o. 17 Feb 53 122° 28.1' W WIND SSE 3 1304 (+8) DEPTH 124 fm 48°/44°F West Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.28	29.08	-----
5	8.24	29.07	-----
10	8.24	29.10	-----
20	8.28	29.14	-----
30	8.28	29.14	-----
50	8.31	29.32	-----
75	8.38	29.56	-----
100	8.43	29.78	-----
140	8.48	30.09	-----
180	8.50	30.16	-----
220	8.56	30.22	-----

STA 501 47° 44.7' N WEATHER o. 17 Feb 53 122° 25.2' W WIND SE 1 1434 (+8) DEPTH 154 fm 48°/44°F Pt. Jefferson			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.22	28.66	0.557
5	8.18	28.76	0.550
10	8.20	28.84	0.548
20	8.22	28.87	0.531
30	8.24	28.91	0.540
50	8.22	29.20	0.535
100	8.42	29.77	0.462
150	8.49	30.02	0.499
200	8.50	30.24	0.470
240	8.52	30.25	0.491
270	8.54	30.25	0.497

STA 502 47° 49.0' N WEATHER 10 17 Feb 53 122° 27.4' W WIND WxN 8 1530 (+8) DEPTH 102 fm 50°/44°F Apple Cove Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.19	29.17	0.531
5	8.17	29.20	0.528
10	8.19	29.25	0.516
20	8.26	29.42	0.517
30	8.28	29.43	0.519
50	8.26	29.51	0.514
75	8.30	29.52	0.510
100	8.36	29.65	0.503
140	8.46	29.93	0.490
180	8.52	30.18	0.489

STA 503 47° 54.0' N WEATHER 10 17 Feb 53 122° 28.6' W WIND NW 9 1638 (+8) DEPTH 110 fm 47°/43°F Point No Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.07	28.38	0.551
5	8.02	28.25	0.556
10	8.02	28.29	0.545
20	8.16	28.78	0.535
30	8.26	29.31	0.521
50	8.24	29.33	0.513
75	8.25	29.42	0.515
100	8.33	29.54	0.504
130	8.46	29.88	0.485
160	8.48	29.94	0.486
190	8.52	29.95	0.468

STA 504 47° 56.2' N WEATHER 10 17 Feb 53 122° 38.6' W WIND NW 8 1823 (+8) DEPTH 65 fm 44°/41°F Tala Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.77	27.73	0.563
5	7.88	28.07	0.557
10	7.94	28.40	0.547
20	8.06	29.14	0.534
30	8.11	29.25	0.529
50	8.10	29.49	0.523
75	8.10	29.51	0.525
100	8.11	29.53	0.526

STA 505 47° 52.4' N WEATHER 10 17 Feb 53 122° 35.6' W WIND NW 8 1922 (+8) DEPTH 55 fm 42°/38°F Pt. Hannon, South of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.90	27.96	-----
5	8.00	28.65	-----
10	8.06	28.78	-----
20	8.10	29.13	-----
30	8.14	29.34	-----
50	8.10	29.46	-----
80	8.14	29.49	-----

STA 506 47° 50.0' N WEATHER 10 17 Feb 53 122° 40.0' W WIND NWxN4 2018 (+8) DEPTH 37 fm 41°/38°F South Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.90	28.00	0.548
5	8.00	28.38	0.542
10	8.06	28.79	0.530
20	8.17	29.36	0.518
30	8.24	29.51	0.505
40	8.20	29.51	0.505
60	8.32	29.53	0.491

STA 507 47° 46.4' N WEATHER 10 17 Feb 53 122° 43.7' W WIND NNW 4 2118 (+8) DEPTH 34 fm 40°/39°F Vinland			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.84	27.75	-----
5	7.97	28.03	-----
10	8.04	28.33	-----
20	8.18	29.03	-----
30	8.24	29.28	-----
50	8.40	29.84	-----

STA 508 47° 42.0' N WEATHER 10 17 Feb 53 122° 45.7' W WIND SSW 2 2242 (+8) DEPTH 69 fm 38°/37°F Hazel Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.66	27.12	0.577
5	7.63	27.11	0.574
10	8.00	28.09	0.538
20	8.18	28.81	0.505
30	8.32	29.34	0.484
50	8.52	30.19	0.438
80	8.56	30.20	0.435
110	8.68	30.51	0.414

STA 509 47° 40.2' N WEATHER 10 17 Feb. 53 122° 52.2' W WIND NW 8 2346 (+8) DEPTH 74 fm 38°/35°F Pleasant Harbor			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.72	25.22	0.632
5	7.24	26.00	0.620
10	8.06	28.10	0.542
20	8.28	29.17	0.499
30	8.42	29.73	0.470
50	8.38	30.16	0.465
75	8.55	30.49	0.444
100	8.78	30.78	0.399
125	8.93	30.90	0.368

STA 510 47° 24.0' N WEATHER 28 18 Feb 53 122° 55.7' W WIND calm 0627 (+8) DEPTH 10 fm 33°/32°F Lynch Cove			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.88	19.94	-----
5	8.29	27.34	0.451
10	8.49	28.90	0.440
20	8.88	29.55	0.300

STA 511 47° 23.1' N WEATHER 28 18 Feb 53 122° 58.7' W WIND calm 0722 (+8) DEPTH 20 fm 31°/31°F Mid Lynch Cove			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.92	20.05	-----
5	8.32	27.77	-----
10	8.44	28.87	-----
20	8.64	29.34	-----
30	8.88	29.67	-----

STA 512 47° 21.5' N WEATHER 28 18 Feb 53 123° 04.1' W WIND NNW 3 0810 (+8) DEPTH 24 fm 32°/32°F Tahuya River			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.52	20.32	0.648
5	8.16	28.42	0.523
10	8.22	28.82	0.521
20	8.29	29.28	0.511
30	8.37	29.52	0.463

STA 513 47° 21.4' N WEATHER 28 18 Feb 53 123° 08.4' W WIND NNW 3 0902 (+8) DEPTH 38 fm 31°/31°F Annas Bay			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.53	19.33	0.622
5	8.06	27.65	0.545
10	8.16	28.57	0.535
20	8.24	29.09	0.521
40	8.50	29.80	0.441
60	8.96	30.49	0.334

STA 514 47° 23.3' N WEATHER 28 18 Feb 53 123° 07.9' W WIND calm 0943 (+8) DEPTH 60 fm 33°/33°F Musqueti Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.44	22.23	0.615
5	7.90	27.28	0.563
10	8.03	28.01	0.550
20	8.20	28.80	0.523
30	8.27	29.28	0.513
40	8.35	29.69	0.473
50	8.54	29.99	0.423
75	9.08	30.56	0.324
100	9.18	30.82	0.314

STA 515 47° 25.2' N WEATHER 12 18 Feb 53 123° 06.9' W WIND calm 1028 (+8) DEPTH 67 fm 36°/35°F Red Bluff			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.41	23.51	0.601
5	7.90	27.39	0.568
10	7.99	27.86	0.558
20	8.25	29.07	0.526
30	8.29	29.46	0.517
40	8.30	29.76	0.486
50	8.46	29.93	0.465
75	9.06	30.47	0.326
100	9.19	30.80	0.328

STA 516 47° 28.7' N WEATHER b.c. 18 Feb 53 123° 04.1' W WIND calm 1125 (+8) DEPTH 89 fm 44°/41°F Eagle Creek			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.33	26.07	0.599
5	7.67	26.84	0.582
10	7.91	27.39	0.577
20	8.26	29.27	0.515
30	8.31	29.59	0.506
50	8.60	30.13	0.427
75	8.98	30.58	0.368
100	9.16	30.81	0.339
150	9.14	30.93	-----

STA 517 47° 32.2' N WEATHER b.c. 18 Feb 53 123° 01.1' W WIND calm 1226 (+8) DEPTH 87 fm 42°/39°F Chinom Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.98	26.03	-----
5	7.70	26.77	-----
10	7.90	27.44	-----
20	8.28	29.22	-----
30	8.31	29.53	-----
50	8.34	29.95	-----
75	8.78	30.54	-----
100	9.16	30.83	-----
150	9.12	30.93	-----

STA 518 47° 35.7' N WEATHER b.c. 18 Feb 53 122° 58.1' W WIND calm 1321 (+8) DEPTH 91 fm 42°/40°F Tekiu Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.71	26.41	0.608
5	7.70	26.81	0.599
10	7.77	26.92	0.597
20	8.26	29.14	0.519
30	8.32	29.51	0.502
50	8.34	30.00	0.450
75	8.64	30.47	0.434
100	8.98	30.73	0.387
130	9.00	30.89	0.371
160	9.02	30.93	0.360

STA 519 47° 38.4' N WEATHER -- 18 Feb 53 122° 54.7' W WIND calm 1434 (+8) DEPTH 87 fm 46°/43°F Quatsap Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.22	25.07	-----
5	7.52	26.65	-----
10	7.97	27.67	-----
20	8.32	29.36	-----
30	8.36	29.61	-----
50	8.34	30.04	-----
75	8.72	30.58	-----
100	9.04	30.87	-----
125	9.00	30.92	-----
150	8.98	30.92	-----

STA 520 47° 41.9' N WEATHER o. 18 Feb 53 122° 51.7' W WIND calm 1522 (+8) DEPTH 80 fm 46°/43°F Tskutsko Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.98	25.35	-----
5	7.32	25.99	-----
10	8.04	27.60	-----
20	8.30	29.38	-----
30	8.35	29.69	-----
50	8.36	30.08	-----
75	8.53	30.51	-----
100	8.82	30.79	-----
130	8.92	30.93	-----

STA 521 47° 44.8' N WEATHER o. 18 Feb 53 122° 49.8' W WIND calm 1608 (+8) DEPTH 102 fm 45°/41°F Tabook Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.06	25.67	0.637
5	7.24	26.14	0.625
10	8.08	26.40	0.548
20	8.31	29.29	0.501
30	8.28	29.57	0.513
40	8.30	29.82	0.497
50	8.34	30.02	0.487
75	8.54	30.46	0.450
100	8.84	30.81	0.391
140	8.92	30.99	0.364
180	8.88	31.00	0.328

STA 522 47° 46.9' N WEATHER o.
 18 Feb 53 122° 48.6' W Wind ENE 1
 1648 (+8) DEPTH 75 fm 46°/42°F
 Bolton Peninsula, East of

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.04	25.63	0.644
5	7.52	26.64	0.608
10	8.07	28.14	0.545
20	8.26	29.30	0.519
30	8.38	29.71	0.492
40	8.31	29.94	0.492
50	8.40	30.13	0.475
75	8.59	30.48	0.438
100	8.90	30.80	0.386

STA 523 47° 50.0' N WEATHER o.
 18 Feb 53 122° 48.6' W WIND ENE 1
 1733 (+8) DEPTH 28 fm 44°/39°F
 Dabob Bay, Head of

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.00	25.73	0.628
5	7.84	27.55	0.571
10	8.06	28.06	0.551
20	8.26	29.42	0.518
30	8.28	29.69	0.505
40	8.31	29.87	0.490

STA 524 47° 06.6' N WEATHER 10
 18 Feb 53 122° 51.4' W WIND ENE 1
 1830 (+8) DEPTH 50 fm 42°/39°F
 Quilcene Bay

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.32	23.57	0.659
5	7.42	26.41	-----
10	8.10	28.44	0.551
20	8.22	29.17	0.523
30	8.28	29.51	0.512
50	8.30	29.99	0.483
70	8.64	30.60	0.431

STA 525 47° 57.4' N WEATHER b.
 19 Feb 53 122° 34.6' W WIND ENE 1
 0650 (+8) DEPTH 60 fm 40°/39°F
 Double Bluff

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.99	29.19	0.545
5	8.00	29.31	0.545
10	8.04	29.37	0.540
20	8.02	29.40	0.543
30	8.04	29.43	0.542
50	-----	30.07	0.538
75	8.01	30.25	0.529
100	8.04	30.24	0.527

STA 526 48° 01.9' N WEATHER c. 19 Feb 53 122° 37.8' W WIND SE x E 6 0822 (+8) DEPTH 64 fm 41°/40°F Bush Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.94	29.17	0.553
5	7.98	29.24	0.547
10	7.99	29.46	0.544
20	8.02	29.70	0.546
30	8.02	29.75	0.541
50	7.98	29.98	0.542
75	8.00	30.06	0.536
100	8.04	30.22	0.528

STA 527 48° 05.8' N WEATHER c. 19 Feb 53 122° 38.8' W WIND S 3 0923 (+8) DEPTH 106 fm 42°/40°F Marrowstone Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.96	29.83	0.545
5	7.94	29.80	0.546
10	7.95	29.80	0.542
20	7.96	29.83	0.547
30	7.96	29.80	0.547
50	7.91	29.82	0.540
75	7.94	30.17	0.541
100	7.97	30.25	0.536
140	7.94	30.24	0.535
180	7.97	30.24	0.537

STA 528 48° 09.9' N WEATHER c. 19 Feb 53 122° 42.2' W WIND W x S 3 1007 (+8) DEPTH 40 fm 44°/41°F Port Townsend			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.98	29.93	0.545
5	7.94	29.97	0.541
10	7.96	30.05	0.541
20	7.96	30.07	0.538
30	7.97	30.08	0.536
40	7.92	30.11	0.524
60	7.98	30.44	0.526

STA 530 48° 12.6' N WEATHER c. 19 Feb 53 122° 54.5' W WIND E 3 1126 (+8) depth 55 fm 44°/42°F Protection Island			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.74	30.02	0.556
5	7.78	30.09	0.548
10	7.84	30.17	0.550
20	7.90	30.31	0.542
30	7.96	30.42	0.532
50	8.00	30.69	0.524

STA 531 48° 14.5' N WEATHER b.c. 19 Feb 53 122° 59.6' W WIND E 2 1230 (+8) DEPTH 89 fm 47°/43°F Eastern Bank			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.79	29.95	0.562
5	7.72	29.97	0.554
10	7.95	30.11	0.546
20	7.94	30.11	0.542
30	7.99	30.17	0.538
50	7.99	30.52	0.526
75	8.04	30.89	0.512
100	8.12	31.27	0.493
130	8.82	31.67	0.476

STA 532 48° 15.6' N WEATHER b.c. 19 Feb 53 123° 04.3' W WIND E 4 1313 (+8) DEPTH 92 fm 44°/41°F New Dungeness, Northeast of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.94	29.93	0.560
5	7.90	30.14	0.544
10	7.92	30.15	0.548
20	7.97	30.25	0.536
30	8.01	30.42	0.531
50	7.95	30.69	0.525
75	8.08	31.33	0.498
100	8.14	31.83	0.470
130	8.11	31.86	0.465
160	8.12	31.88	0.462

STA 533 48° 15.0' N WEATHER b.c. 19 Feb 53 123° 13.9' W WIND E 4 1414 (+8) DEPTH 77 fm 48°/44°F New Dungeness, Northwest of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.92	30.30	0.551
5	7.82	30.36	0.549
10	7.88	30.42	0.543
20	7.90	30.53	0.433
30	7.93	30.58	0.522
50	7.90	30.34	0.490
75	7.99	30.93	0.486
100	8.04	31.39	0.488
125	8.06	31.84	0.421

STA 534 48° 12.1' N WEATHER b.c. 19 Feb 53 123° 24.1' W WIND E 4 1548 (+8) DEPTH 71 fm 47°/43°F Ediz Hook			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.98	30.32	0.542
5	7.97	30.42	0.522
10	7.97	30.64	0.521
20	7.96	30.77	0.494
30	8.04	30.98	0.511
50	8.02	31.30	0.500
75	8.01	31.37	0.507
100	8.02	31.34	0.509
125	8.06	31.52	0.501

STA 535 48° 15.0' N WEATHER 10 19 Feb 53 123° 32.6' W WIND E 4 1707 (+8) DEPTH 97 fm 44°/40°F Race Rocks			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.00	30.34	0.554
5	7.93	30.31	0.550
10	7.98	30.69	0.521
20	7.96	30.86	0.515
30	8.00	30.87	0.512
50	7.96	31.09	0.501
75	7.97	31.29	0.488
100	8.00	31.46	0.483
130	7.99	31.48	0.483
160	8.01	31.83	0.452

STA 536 48° 16.0' N WEATHER 10 19 Feb 53 123° 40.9' W WIND E 4 1824 (+8) DEPTH ---- 44°/40°F Beechy Head			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.92	31.05	0.540
5	7.96	31.12	0.496
10	8.02	31.28	0.486
20	7.96	31.31	0.485
30	8.01	31.35	0.482
50	7.96	31.47	0.472
75	8.00	31.53	0.471
100	8.06	31.92	0.449
140	8.06	32.81	0.368
180	7.74	33.44	0.313

STA 537 48° 18.1' N WEATHER c. 19 Feb 53 123° 52.7' W WIND ENE 6 2028 (+8) DEPTH 94 fm 43°/40°F Otter Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.07	30.93	0.542
5	8.02	31.04	0.532
10	8.11	31.16	0.518
20	8.12	31.24	0.507
30	8.24	31.44	0.491
50	8.32	31.75	0.478
75	8.23	32.03	0.444
100	8.10	32.66	0.392
130	7.97	33.29	0.348
160	7.40	33.66	0.272

STA 538 48° 18.2' N WEATHER c. 19 Feb 53 124° 03.3' W WIND ENE 7 2149 (+8) DEPTH 107 fm 44°/41°F Pillar Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.00	31.32	0.524
5	7.97	31.32	0.520
10	8.01	31.35	0.511
20	8.09	31.50	0.484
30	8.26	31.76	0.465
50	8.28	31.92	0.456
75	8.34	32.16	0.450
100	----	32.81	0.425
140	7.38	33.65	0.274
190	7.14	33.72	0.249

STA 539 48° 19.6' N WEATHER 10 20 Feb 53 123° 00.8' W WIND E 8 0720 (+8) DEPTH 94 fm 42°/40°F Hein Bank, Southeast of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.72	30.19	0.552
5	7.70	30.20	0.548
10	7.76	30.26	0.545
20	7.83	30.35	0.535
30	7.88	30.43	0.529
50	7.87	30.61	0.521
75	8.00	30.99	0.507
100	8.08	31.42	0.476
130	8.00	31.52	0.471
160	8.06	31.77	0.441

STA 540 48° 21.1' N WEATHER 10 20 Feb 53 122° 51.7' W WIND ESE 13 0844 (+8) DEPTH 57 fm 42°/39°F Smith Island, Northwest of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.75	29.97	-----
5	7.74	29.98	-----
10	7.80	30.66	-----
20	7.80	30.29	-----
30	7.86	30.36	-----
50	7.88	30.69	-----
80	8.01	31.04	-----

STA 541 48° 22.2' N WEATHER 10 20 Feb 53 122° 45.5' W WIND NE 3 0936 (+8) DEPTH 49 fm 42°/40°F Lawson Reef, South of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.57	29.88	-----
5	7.54	29.88	-----
10	7.70	29.93	-----
20	7.78	30.08	-----
30	7.84	30.10	-----
50	7.86	30.51	-----
80	8.00	30.92	-----

STA 542 48° 26.6' N WEATHER c. 20 Feb 53 122° 44.2' W WIND N 4 1027 (+8) DEPTH 47 fm 42°/39°F Lawson Reef, North of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.63	29.80	0.546
5	7.59	29.79	0.543
10	7.63	29.84	-----
20	7.65	29.98	0.535
30	7.74	30.04	0.534
50	7.72	30.24	0.527
75	7.94	30.68	0.510

STA 543 48° 24.9' N WEATHER o. 20 Feb 53 122° 41.1' W WIND N 6 1103 (+8) DEPTH 50 fm 42°/40°F Deception Pass, Northwest of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.56	28.50	-----
5	7.55	28.67	-----
10	7.60	28.78	-----
20	7.59	29.45	-----
30	7.66	29.86	-----
50	7.75	30.25	-----
80	7.96	30.71	-----

STA 544 48° 24.9' N WEATHER o. 20 Feb 53 122° 35.9' W WIND NxE 4 1419 (+8) DEPTH 20 fm. 43°/39°F Dewey Island			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.12	23.62	0.586
5	7.12	25.08	0.578
10	7.26	26.00	0.570
20	7.39	27.06	0.563
30	7.58	28.78	0.539

STA 545 48° 21.4' N WEATHER o. 20 Feb 53 122° 33.4' W WIND WxN 4 1459 (+8) DEPTH 8 fm 44°/40°F Goat Island			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.54	16.87	0.643
3	6.72	18.72	0.619
8	7.64	25.60	0.558

STA 546 ----- WEATHER o. 20 Feb 53 ----- WIND WxN 9 1536 (+8) DEPTH 16 fm 42°/39°F Strawberry Pt., North of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.57	17.27	0.646
5	6.76	19.98	0.647
10	7.18	22.25	0.595
20	8.22	28.58	0.508

STA 547 48° 13.8' N WEATHER o. 20 Feb 53 122° 34.9' W WIND WxN 3 1624 (+8) DEPTH 25 fm 43°/39°F Snatelum Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.80	20.17	0.646
5	7.40	22.32	0.613
10	7.93	26.15	0.539
20	8.12	26.38	0.528
30	8.32	27.16	0.506
40	8.33	29.08	0.500

STA 548 48° 11.0' N WEATHER o. 20 Feb 53 122° 33.4' W WIND WxN 2 1658 (+8) DEPTH 46 fm 43°/39°F Onamack Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.92	20.77	0.638
5	7.34	22.65	0.598
10	7.94	26.58	0.544
20	8.16	26.71	0.524
30	8.32	27.18	0.510
40	8.32	29.14	0.511
80	8.44	29.52	0.492

STA 549 48° 06.4' N WEATHER o. 20 Feb 53 122° 29.4' W WIND WxN 1 1751 (+8) DEPTH 79 fm 44°/41°F East Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.96	21.49	0.645
5	7.02	22.66	0.632
10	8.12	28.31	0.534
20	8.16	28.62	0.525
30	8.32	29.01	0.512
50	8.33	29.26	0.510
75	8.43	29.51	0.489
100	8.46	29.01	0.486
130	8.48	29.65	0.468

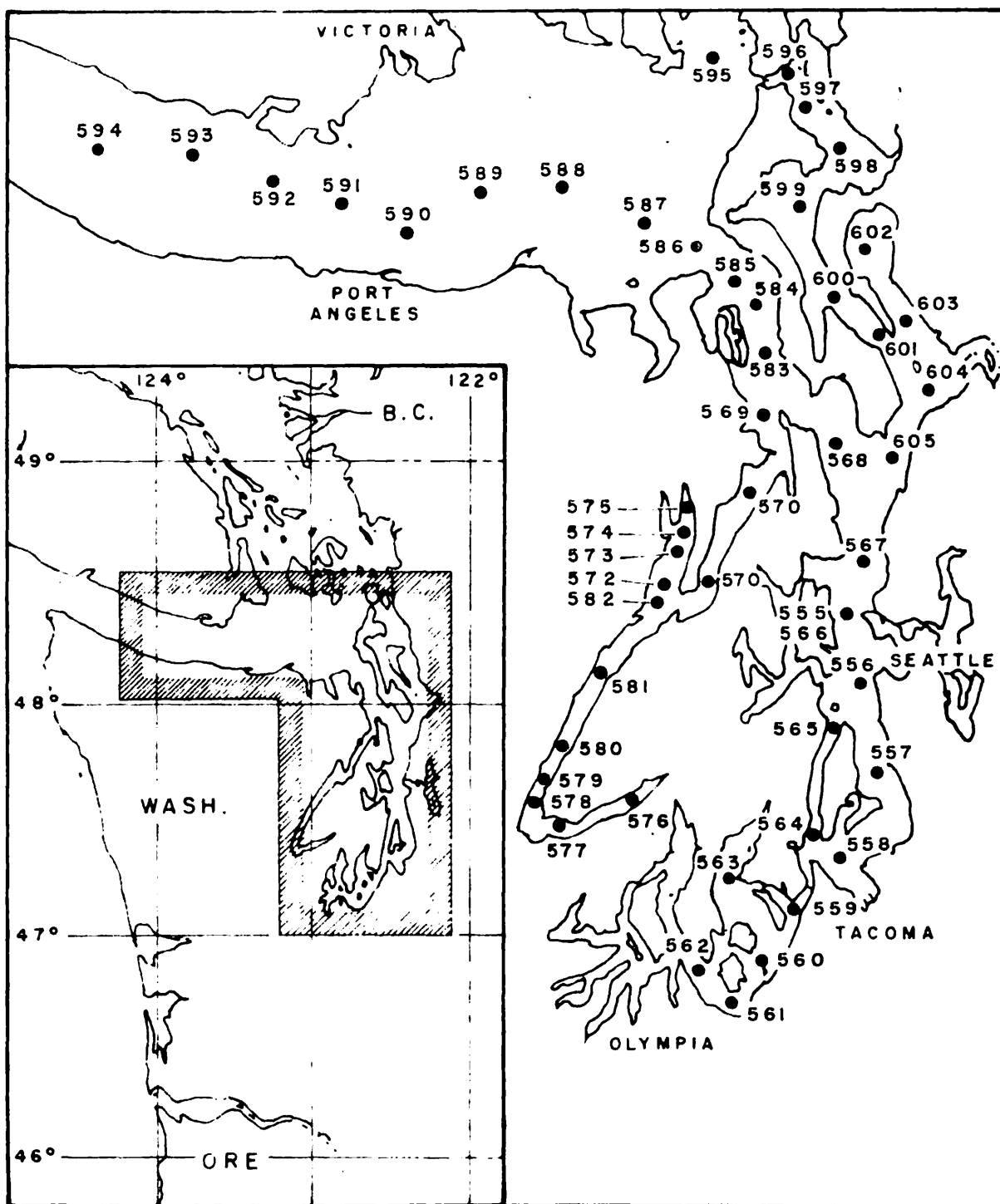
STA 550 48° 02.9' N WEATHER o. 20 Feb 53 122° 22.5' W WIND WxN 3 1850 (+8) DEPTH 95 fm. 43°/41°F Camano Head, North of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.95	22.05	0.633
5	7.14	22.48	0.617
10	7.92	26.05	0.549
20	8.12	28.57	0.531
30	8.24	28.95	0.521
50	8.28	29.24	0.505
75	8.34	29.46	0.497
100	8.46	29.64	0.483
150	8.62	29.93	0.465

STA 551 48° 09.3' N WEATHER 10 20 Feb 53 122° 24.5' W WIND E 2 2011 (+8) DEPTH 42 fm 41°/39°F Port Susan, Head of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.21	16.05	0.682
5	8.09	27.73	0.528
10	8.18	28.34	0.520
20	8.23	28.84	0.444
30	8.30	29.02	0.504
50	8.32	29.33	0.464
75	8.40	29.54	0.481

STA 552 48° 03.5' N WEATHER o. 20 Feb 53 122° 19.9' W WIND E 2 2126 (+8) DEPTH 67 fm 40°/38°F Camano Head, East of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.30	17.07	0.675
5	7.75	26.15	0.563
10	8.12	28.16	0.528
20	8.16	28.58	0.518
30	8.23	28.75	0.473
50	8.27	29.11	0.492
80	8.49	29.71	0.427
110	9.13	30.47	0.368

STA 553 48° 01.4' N WEATHER o. 20 Feb 53 122° 16.8' W WIND E 2 2203 (+8) DEPTH 45 fm 42°/39°F Gedney Island, East of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.87	18.87	0.641
5	7.86	26.77	0.524
10	8.07	26.95	0.518
20	8.15	28.70	0.493
30	8.23	28.89	0.500
50	8.22	29.14	0.483
80	8.44	29.59	0.430

STA 554 47° 53.4' N WEATHER o. 20 Feb 53 122° 21.5' W WIND calm 2323 (+8) DEPTH 120 fm 42°/39°F Possession Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.15	21.87	0.602
5	7.92	27.05	0.532
10	8.10	28.31	0.516
20	8.08	28.79	0.508
30	8.18	28.98	0.504
50	8.15	29.18	0.499
75	8.25	29.38	0.484
100	8.38	29.56	0.462
150	8.55	29.89	0.430
180	8.58	29.96	0.424
215	8.64	30.08	0.421



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STA 555 47° 39.8' N WEATHER o. 16 Mar 53 122° 28.0' W WIND S 10 1108 (+8) DEPTH 124 fm 46°/44°F West Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.24	29.36	0.514
5	8.22	29.37	0.517
10	8.22	29.38	0.518
20	8.22	29.39	0.519
30	8.18	29.39	0.521
49	8.12	29.57	0.520
74	8.01	29.66	0.496
98	7.97	29.79	0.493
138	7.90	29.87	0.485
177	7.88	30.03	0.484
217	7.86	30.10	0.475

STA 556 47° 34.0' N WEATHER o. 16 Mar 53 122° 26.5' W WIND SW 21 1231 (+8) DEPTH 134 fm 46°/43°F Alki Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.25	29.17	0.526
5	8.25	29.19	0.529
9	8.22	29.23	0.521
17	8.20	29.29	0.521
27	8.16	29.34	0.517
45	8.18	29.40	0.515
69	8.18	29.41	0.514
92	8.20	29.41	0.511
130	8.00	29.89	0.484
170	7.92	30.03	0.479
210	7.90	30.07	0.475

STA 557 47° 26.5' N WEATHER s.c. 16 Mar 53 122° 23.6' W WIND SW 16 1400 (+8) DEPTH 134 fm 48°/44°F Pully Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.23	29.15	0.540
5	8.23	29.10	0.546
10	8.22	29.11	0.543
20	8.20	29.16	0.534
30	8.22	29.29	0.533
50	8.22	29.45	0.500
75	8.11	29.70	0.493
100	8.20	29.80	0.491
140	7.97	29.93	0.485
180	7.88	30.04	0.477
220	7.90	30.03	0.474

STA 558 47° 19.1' N WEATHER s.c. 16 Mar 53 122° 27.9' W WIND SW 12 1548 (+8) DEPTH 97 fm 48°/44°F Brown Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.24	28.87	0.541
5	8.24	-----	-----
9	8.24	28.79	0.545
18	8.22	28.85	0.543
27	8.23	28.90	0.541
46	8.22	29.38	0.507
69	8.21	29.49	0.507
94	8.26	29.68	0.496
124	8.10	29.86	0.487
154	7.90	30.01	0.479

STA 559 47° 14.7' N WEATHER o. 16 Mar 53 122° 34.4' W WIND SW 12 1713 (+8) DEPTH 42 fm 51°/45°F Day Island			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.16	29.43	0.511
5	8.20	29.43	0.515
10	8.18	29.43	0.504
30	8.15	29.49	0.507
50	8.16	29.52	0.501

STA 560 47° 10.6' N WEATHER o. 16 Mar 53 122° 37.7' W WIND SW 13 1813 (+8) DEPTH --- 48°/44°F Gordon Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.20	28.99	0.525
5	8.21	28.96	0.527
9	8.18	28.97	0.525
18	8.19	29.01	0.525
27	8.18	29.06	0.520
45	8.19	29.10	0.519
68	8.19	29.13	0.520
86	8.22	29.13	0.517
117	8.20	29.15	0.517
147	8.19	29.23	0.517

STA 561 47° 07.2' N WEATHER 63 16 Mar 53 122° 42.6' W WIND SW 12 1962 (+8) DEPTH 38 fm 41°/39°F Nisqually Reach			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.18	28.87	0.532
5	8.18	28.88	0.523
10	8.18	28.88	0.530
20	8.18	28.89	0.535
30	8.14	28.84	0.535
60	8.18	29.10	0.527

STA 562 47° 10.1' N WEATHER o. 16 Mar 53 122° 47.3' W WIND SE 6 2100 (+8) DEPTH 52 fm 41°/39°F Devil's Head			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.18	28.60	0.537
5	8.20	28.60	0.537
10	8.19	28.60	0.545
20	8.19	28.61	0.539
30	8.17	28.63	0.535
50	8.22	28.68	0.532
75	8.19	28.88	0.525

STA 563 47° 17.1' N WEATHER 83 16 Mar 53 122° 42.7' W WIND SxW 12 2313 (+8) DEPTH 47 fm 39°/39°F Green Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.10	28.77	0.553
5	8.10	28.79	0.559
10	8.17	28.82	0.546
20	8.20	28.89	0.529
30	8.22	28.97	0.515
40	8.22	28.97	0.513
60	8.24	29.05	0.512
80	8.20	29.12	0.512

STA 564 47° 21.1' N WEATHER o. 17 Mar 53 122° 32.2' W WIND S 12 0641 (+8) DEPTH 57 fm 39°/38°F Spring Beach			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.12	29.24	0.542
5	8.10	29.23	0.528
10	8.14	29.28	0.524
20	8.14	29.29	0.520
30	8.14	29.32	0.517
50	8.12	29.40	0.515
72	8.14	29.48	0.511
88	8.12	29.55	0.509

STA 565 47° 30.5' N WEATHER o. 17 Mar 53 122° 29.3' W WIND SxW 16 0804 (+8) DEPTH 59 fm 41°/40°F Pt. Vashon			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.12	29.32	0.525
5	8.12	29.33	0.523
10	8.10	29.33	0.525
20	8.14	29.33	0.520
30	8.18	29.37	0.517
50	8.16	29.43	0.515
75	8.19	29.52	0.516
100	8.15	29.33	0.510

STA 566 47° 34.3' N WEATHER b.c. 17 Mar 53 122° 26.6' W WIND SSW 20 0917 (+8) DEPTH 130 fm 42°/40°F Alki Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.13	29.34	0.520
5	8.12	29.39	0.519
9	8.11	29.36	0.521
19	8.09	29.36	0.527
28	8.08	29.37	0.520
48	8.10	29.42	0.517
72	8.10	29.43	0.512
93	8.04	29.74	0.493
128	8.00	29.77	0.485
168	7.97	29.80	0.486
208	7.91	29.98	0.479

STA 567 47° 45.1' N WEATHER b.c.
17 Mar 53 122° 24.8' W WIND S 20
1100 (+8) DEPTH 150 fm 44°/42°F
Pt. Jefferson

Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	8.15	29.28	0.530
9	8.14	29.27	0.529
17	8.13	29.30	0.527
26	8.10	29.32	0.523
43	8.16	29.34	0.523
65	8.14	29.35	0.518
87	8.10	29.49	0.507
131	7.97	29.80	0.494
177	7.92	29.93	0.487
210	7.91	29.95	0.483
240	7.92	29.97	0.483

STA 568 47° 51.3' N WEATHER b.c.
17 Mar 53 122° 28.7' W WIND S 20
1253 (+8) DEPTH 110 fm 44°/42°F
Point No Pt.

Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	8.18	29.34	0.531
5	8.18	29.31	0.536
10	8.14	29.32	0.529
20	8.11	29.39	0.527
30	8.04	29.53	0.518
49	8.02	29.62	0.509
78	7.98	29.66	0.505
97	7.95	29.72	0.503
126	7.92	29.82	0.498
154	7.89	29.89	0.498

STA 569 47° 55.9' N WEATHER b.c.
17 Mar 53 122° 38.0' W WIND SW 24
1546 (+8) DEPTH 65 fm 46°/42°F
Tala Pt.

Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	7.94	29.32	0.581
5	7.92	29.31	0.582
10	7.90	29.27	0.581
20	7.88	29.43	0.569
29	7.87	29.80	0.539
49	7.84	29.93	0.509
71	7.84	30.03	0.507
94	7.76	30.18	0.495

STA 570 47° 49.9' N WEATHER s.c.
17 Mar 53 122° 39.9' W WIND SW 23
1708 (+8) DEPTH 37 fm 45°/42°F
South Pt.

Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	7.96	28.98	0.600
5	7.94	28.98	0.597
10	7.90	29.29	0.565
20	7.82	29.70	0.529
30	7.80	29.99	0.505
40	7.76	30.09	0.495
60	7.89	30.22	0.487

STA 571 47° 42.2' N WEATHER o.
17 Mar 53 122° 45.8' W WIND SW 18
1851 (+8) DEPTH 69 fm 42°/40°F
Hazel Pt.

Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	8.04	28.63	0.590
5	8.05	28.63	0.586
10	7.97	28.89	0.564
20	7.90	29.60	0.616
30	7.86	29.80	0.498
50	7.85	30.02	0.484
69	7.83	30.04	0.484
93	7.82	30.11	0.484

STA 572 47° 41.8' N WEATHER o.
17 Mar 53 122° 52.1' W WIND SE 10
2038 (+8) DEPTH 80 fm 42°/40°F
Tskutsko Pt.

Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	8.15	28.16	0.626
5	8.20	28.23	0.639
10	8.20	28.45	0.600
20	8.24	29.34	0.479
30	8.24	29.57	0.463
50	8.15	30.00	0.445
75	8.27	30.22	0.434
100	8.50	30.39	0.414
130	8.88	30.82	0.347

STA 573 47° 44.8' N WEATHER 0. 17 Mar 53 122° 49.8' W WIND SE 12 2143 (+8) DEPTH 107 fm 42°/40°F Tabook Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.11	27.64	0.683
5	8.04	27.64	0.682
10	8.08	27.95	0.661
20	8.23	29.04	0.467
30	8.30	29.65	0.458
40	8.42	29.95	0.432
50	8.38	30.03	0.430
75	8.20	30.18	0.437
100	8.58	30.42	0.411
140	8.86	30.89	0.333
180	8.93	30.95	0.285

STA 574 47° 47.0' N WEATHER 0. 17 Mar 53 122° 48.5' W WIND ES 10 2249 (+8) DEPTH 89 fm 42°/40°F Bolton Peninsula, East of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.89	27.39	0.665
5	7.88	27.39	0.666
10	7.90	27.45	0.665
20	8.24	29.08	0.461
30	8.30	29.69	0.444
50	8.39	30.09	0.423
75	8.44	30.27	0.419
100	8.56	30.48	0.405

STA 575 47° 50.0' N WEATHER 53 17 Mar 53 122° 48.1' W WIND SE 18 2345 (+8) DEPTH 26 fm 43°/41°F Dabob Bay, Head of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.72	26.91	0.645
5	7.66	26.92	0.649
10	7.68	26.98	0.657
20	7.83	27.13	0.654
29	8.28	27.86	0.441
38	8.40	29.24	0.426

STA 576 47° 23.9' N WEATHER 63 18 Mar 53 122° 56.0' W WIND SW 8 0819 (+8) DEPTH 10 fm 42°/40°F Lynch Cove			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.57	21.01	0.667
5	8.64	28.84	0.374
10	8.60	29.54	0.324
15	8.56	29.71	0.363

STA 577 47° 20.5' N WEATHER 63 18 Mar 53 123° 04.1' W WIND SW 8 0935 (+8) DEPTH 22 fm ----- Tahuya River			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.47	21.80	0.671
5	8.54	29.34	0.418
10	8.52	29.46	0.418
20	8.49	29.80	0.413
30	8.56	30.00	0.407

STA 578 47° 23.5' N WEATHER o. 18 Mar 53 123° 07.7' W WIND ---- 1020 (+8) DEPTH 60 fm 42°/40°F Musqueti Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.43	21.50	0.661
5	8.43	29.16	0.470
10	8.44	29.59	0.425
20	8.42	29.75	0.435
30	8.45	29.87	0.441
40	8.46	29.97	-----
50	8.52	30.08	0.427
75	8.76	30.27	0.366
100	9.08	30.68	0.300

STA 579 47° 25.2' N WEATHER o. 18 Mar 53 123° 06.8' W WIND ---- 1120 (+8) DEPTH 62 fm 42°/40°F Red Bluff			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.76	25.30	0.656
5	8.50	28.85	0.506
10	8.43	29.46	0.446
20	8.35	29.68	0.461
30	8.40	29.84	0.455
40	8.41	29.97	0.442
50	8.50	30.08	0.432
75	8.80	30.33	0.362
100	9.09	30.65	0.297

STA 580 47° 28.8' N WEATHER 63 18 Mar 53 123° 04.1' W WIND SW 1 1213 (+8) DEPTH 86 fm 42°/40°F Eagle Creek			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.55	24.33	0.679
5	8.33	28.58	0.582
10	8.33	29.35	-----
20	8.36	29.72	0.468
30	8.40	29.84	0.453
50	8.45	30.04	0.431
75	8.60	30.27	0.421
100	8.91	30.47	0.351
150	9.12	30.84	0.316

STA 581 47° 35.8' N WEATHER b.c.
 18 Mar 53 122° 57.8' W WIND SW 12
 1340 (+8) DEPTH 93 fm 42°/42°F
 Tekiu Pt.

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.86	27.24	0.641
5	8.01	27.42	0.631
10	8.21	28.85	0.527
20	8.30	29.59	0.466
30	8.34	29.76	0.456
40	8.38	29.91	0.448
50	8.30	29.96	0.445
75	8.34	30.22	0.441
100	8.54	30.40	0.414
130	8.95	30.72	0.372
160	9.06	30.83	0.341

STA 582 47° 40.1' N WEATHER b.c.
 18 Mar 53 122° 52.1' W WIND SW 20
 1506 (+8) DEPTH 74 fm 45°/44°F
 Pleasant Harbor

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.09	28.32	0.620
5	8.09	28.31	0.616
10	8.08	28.36	0.606
20	8.10	29.41	0.493
30	8.12	29.61	0.478
50	8.04	30.02	0.457
75	8.20	30.18	0.443
100	8.62	30.55	0.390
125	8.98	30.81	0.342

STA 583 48° 01.6' N WEATHER o.
 18 Mar 53 122° 37.5' W WIND SW 19
 1912 (+8) DEPTH 72 fm 43°/41°F

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.72	30.27	0.500
5	7.74	30.31	0.502
10	7.71	30.31	0.499
20	7.66	30.35	0.495
30	7.64	30.51	0.492
50	7.60	30.62	0.483
75	7.54	31.02	0.472
100	7.43	31.28	0.449

STA 584 48° 05.5' N WEATHER o.
 18 Mar 53 122° 38.6' W WIND SxW 20
 2000 (+8) DEPTH 104 fm 43°/41°F

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.64	30.59	0.492
5	7.64	30.62	0.491
10	7.62	30.65	0.488
20	7.58	30.69	0.487
30	7.60	30.71	0.487
50	7.58	30.78	0.480
75	7.58	30.81	0.476
100	7.46	31.15	0.461
140	7.46	31.17	0.460
180	7.47	31.16	0.458

STA 585 48° 08.5' N WEATHER o. 18 Mar 53 122° 41.3' W WIND SW 19 2117 (+8) DEPTH 65 fm 42°/40°F Port Townsend			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.68	30.40	0.493
5	7.68	30.41	0.499
10	7.68	30.44	0.498
20	7.58	30.64	0.483
30	7.58	30.77	0.476
50	7.44	31.14	0.456
66	7.50	31.08	0.462
87	7.45	31.22	0.459

STA 586 48° 10.6' N WEATHER 10 19 Mar 53 122° 46.4' W WIND SE 16 0613 (+8) DEPTH 37 fm 42°/40°F Middle Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.39	30.87	0.492
5	7.42	30.91	0.492
10	7.38	30.90	0.487
20	7.36	30.91	0.487
30	7.32	30.95	0.445
50	7.29	31.81	0.416

STA 587 48° 12.5' N WEATHER o. 19 Mar 53 122° 53.6' W WIND SE 16 0730 (+8) DEPTH 58 fm 42°/41°F Protection Island			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.32	31.12	0.476
5	7.33	31.11	0.473
10	7.36	31.18	0.464
20	7.30	31.53	0.438
30	7.29	31.72	0.421
50	7.28	31.92	0.412
70	7.23	31.92	0.420
85	7.23	32.10	0.415

STA 588 48° 15.9' N WEATHER 10 19 Mar 53 123° 04.1' W WIND SE 16 0847 (+8) DEPTH 98 fm 46°/44°F New Dungeness, Northeast of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.24	31.97	0.486
5	7.25	31.97	0.454
10	7.23	31.96	0.449
20	7.23	32.03	0.448
30	7.26	32.04	0.427
50	7.24	32.05	0.426
75	7.28	32.07	0.423
100	7.24	32.16	0.412
130	7.17	32.35	0.381

STA 589 48° 14.9' N WEATHER p.c.
 19 Mar 53 123° 14.7' W WIND SE 12
 0957 (+8) DEPTH 78 fm 44°/41°F
 New Dungeness, Northwest of

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.32	31.47	0.468
5	7.34	31.56	0.466
10	7.30	31.55	0.458
20	7.26	31.56	0.452
30	7.22	31.60	0.447
50	7.24	31.70	0.445
75	7.26	31.75	0.434
100	7.22	31.96	0.416
125	7.18	32.20	0.396

STA 590 48° 11.9' N WEATHER 10
 19 Mar 53 123° 24.0' W WIND SE 1
 1108 (+8) DEPTH 70 fm 44°/40°F
 Ediz Hook

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.32	31.88	0.452
5	7.29	31.88	0.447
10	7.26	31.83	0.455
20	7.32	31.90	0.441
30	7.26	31.93	0.434
50	7.20	32.06	0.411
75	7.20	32.17	0.396
98	7.20	32.22	0.387
122	7.18	32.31	0.381

STA 591 48° 14.6' N WEATHER 10
 19 Mar 53 123° 33.1' W WIND NE 5
 1200 (+8) DEPTH 94 fm 46°/42°F
 Race Rocks

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.35	31.85	0.452
5	7.31	31.86	0.452
10	7.26	31.84	0.449
20	7.20	31.96	0.441
30	7.20	32.08	0.420
50	7.16	32.23	0.356
75	7.18	32.28	0.386
100	7.16	32.29	0.384
130	7.16	32.36	0.376
160	7.10	32.52	0.361

STA 592 48° 15.2' N WEATHER 10
 19 Mar 53 123° 40.7' W WIND NE 5
 1320 (+8) DEPTH 99 fm 48°/46°F
 Beechy Head

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.52	31.92	0.458
5	7.45	31.91	0.455
10	7.32	31.93	0.441
20	7.20	31.97	0.435
30	7.22	32.03	0.430
50	7.20	32.13	0.414
75	7.22	32.17	0.404
100	7.20	32.19	0.402
140	7.15	32.41	0.370
175	7.07	32.82	0.330

STA 593 48° 17.8' N WEATHER 10 19 Mar 53 123° 52.2' W WIND NE 11 1446 (+8) DEPTH 96 fm 50°/48°F Otter Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.08	30.36	0.651
5	7.74	30.80	0.609
10	7.62	31.02	0.570
20	7.60	31.41	0.549
30	7.59	31.37	0.526
50	7.50	31.47	0.513
75	7.45	31.67	0.474
100	7.40	31.88	0.447
130	7.02	33.10	0.305
160	6.83	33.32	0.268

STA 594 48° 18.2' N WEATHER s.c. 19 Mar 53 124° 03.2' W WIND NE 10 1610 (+8) DEPTH 103 fm 54°F Pillar Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.96	30.89	0.619
5	7.68	31.06	0.592
10	7.38	31.40	0.532
20	7.27	31.83	0.458
30	7.29	31.87	0.450
50	7.30	31.92	0.443
75	7.30	32.17	0.402
100	7.26	32.39	0.375
140	7.08	33.10	0.310
180	6.62	33.52	0.233

STA 595 48° 26.6' N WEATHER s.c. 19 Mar 53 122° 44.3' W WIND NE 12 2155 (+8) DEPTH 45 fm 45°/42°F Lawson Reef, North of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.36	30.81	0.498
5	7.38	30.80	0.494
10	7.38	30.88	0.491
20	7.33	30.93	0.488
30	7.36	30.94	0.482
50	7.32	31.00	0.482
75	7.38	31.00	0.480

STA 596 48° 25.1' N WEATHER c. 20 Mar 53 122° 35.8' W WIND 0 0055 (+8) DEPTH 20 fm 42°/40°F Dewey			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.37	26.36	0.563
3	7.38	26.33	0.562
12	7.39	26.62	-----
21	7.42	26.96	0.552

STA 597 48° 21.4' N WEATHER o. 20 Mar 53 122° 33.5' W WIND N 4½ 0152 (+8) DEPTH 8 fm 40°/40°F Goat Island			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.41	23.34	0.595
2	7.62	23.89	0.589
5	7.72	25.88	0.578
10	8.22	28.63	0.495

STA 598 48° 19.5' N WEATHER o. 20 Mar 53 122° 29.5' W WIND N 4 0243 (+8) DEPTH 14 fm 40°/40°F Strawberry Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	6.61	14.50	0.655
5	7.70	26.30	0.581
10	7.86	27.07	0.574
20	8.26	29.01	0.470

STA 599 48° 14.0' N WEATHER o. 20 Mar 53 122° 33.1' W WIND NNW 6 0344 (+8) DEPTH 42 fm 45°/42°F Demock Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.68	24.99	0.631
5	7.88	26.94	0.609
10	7.96	27.34	0.583
15	7.92	27.45	0.575
25	8.28	28.96	0.463
45	8.35	29.29	0.441
70	8.43	29.57	0.445

STA 600 48° 06.4' N WEATHER o. 20 Mar 53 122° 29.2' W WIND NNW 6 0504 (+8) DEPTH 82 fm 43°/41°F East Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.94	27.25	0.609
5	7.96	27.50	0.598
10	8.00	27.85	0.564
20	8.06	28.36	0.524
30	8.30	29.14	0.471
50	8.30	29.62	0.456
75	8.32	29.66	0.455
100	8.30	29.67	0.455
130	8.26	29.72	0.452

STA 601 48° 02.9' N WEATHER 0. 20 Mar 53 122° 22.5' W WIND NE 9 0607 (+8) DEPTH 95 fm 42°/40°F Camano Head, West of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	7.08	22.23	0.617
5	8.07	26.58	0.594
10	7.94	27.56	0.582
20	8.22	29.05	0.486
30	8.27	29.15	0.475
50	8.24	29.46	0.455
75	8.20	29.61	0.467
100	8.09	29.76	0.459
150	7.99	29.87	0.476

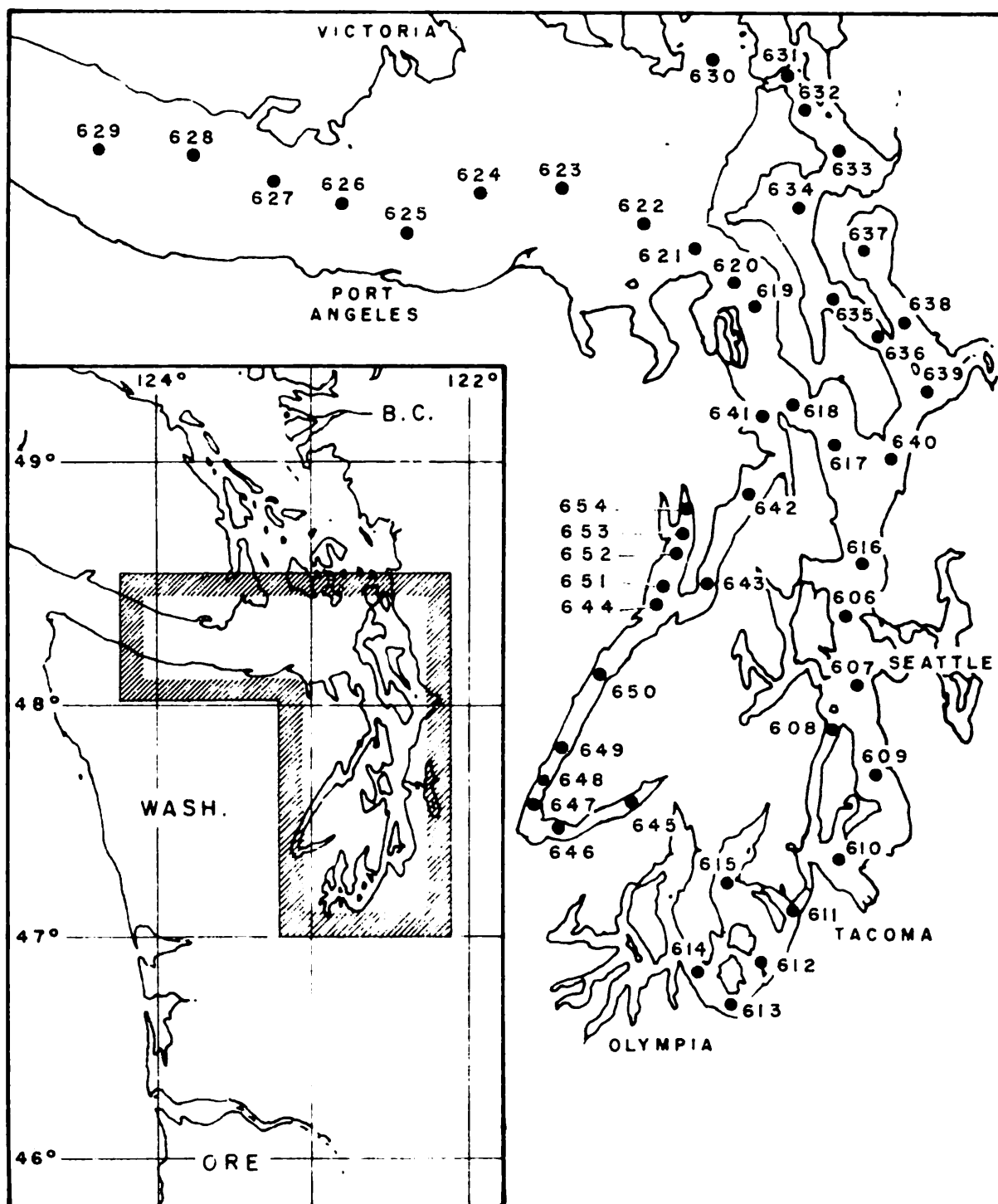
STA 602 48° 09.2' N WEATHER 10 20 Mar 53 122° 24.6' W WIND NE 8 0723 (+8) DEPTH 52 fm 40°/38°F Port Susan, Head of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	6.68	19.76	0.625
5	8.16	27.99	0.513
10	8.20	28.78	0.498
20	8.22	29.06	-----
30	8.26	29.16	0.472
50	8.34	29.44	0.452
85	8.43	29.72	0.415

STA 603 48° 04.0' N WEATHER 53 20 Mar 53 122° 19.9' W WIND NE 8 0823 (+8) DEPTH 67 fm 40°/38°F Camano Head, East of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	7.07	23.40	0.598
5	7.88	26.93	0.559
10	8.16	28.56	0.516
20	8.22	29.18	0.470
30	8.28	29.28	0.457
50	8.34	29.45	0.428
85	8.30	29.81	0.412

STA 604 47° 58.6' N WEATHER 53 20 Mar 53 122° 17.3' W WIND NE 8 0919 (+8) DEPTH 73 fm 42°/40°F Port Gardner			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	7.58	25.42	0.570
5	8.02	27.79	0.546
10	8.11	28.48	0.523
20	8.22	29.22	0.447
30	8.21	29.39	0.400
50	8.19	29.57	0.437
80	8.14	29.73	0.441
110	7.94	29.88	0.478

STA 605 47° 53.5' N WEATHER 10
 20 Mar 53 122° 21.7' W WIND S 10
 1021 (+8) DEPTH 123 fm 46°/42°F
 Possession Pt.

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.96	27.84	0.546
5	8.04	28.88	0.532
10	8.18	28.95	0.492
20	8.17	29.12	0.502
30	8.06	29.34	0.515
50	8.05	29.49	0.513
75	7.92	29.71	0.505
100	7.94	29.80	0.502
140	7.93	29.88	0.490
180	7.90	29.93	0.488
215	7.90	29.95	0.488



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STA 606 47° 39.5' N WEATHER b.c. 14 Apr 53 122° 28.0' W WIND --- 1109 (+8) DEPTH 125 fm 46°/42°F West Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.30	29.51	0.547
5	8.16	29.49	0.552
10	8.17	29.53	0.540
20	8.13	29.53	0.537
30	8.12	29.54	0.530
50	8.00	29.76	0.529
75	8.02	29.81	0.511
100	8.02	29.87	0.507
140	8.00	29.91	0.506
180	7.98	29.96	0.499
220	7.96	29.99	0.505

STA 607 47° 33.8' N WEATHER b.c. 14 Apr 53 122° 26.3' W WIND --- 1218 (+8) DEPTH 135 fm 52°/44°F Alki Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.25	29.48	0.532
5	8.25	29.48	0.531
10	8.25	29.50	0.530
20	8.18	29.51	0.527
30	8.18	29.51	0.527
50	8.12	29.51	0.519
75	8.11	29.57	0.518
100	8.09	29.64	0.514
140	7.97	29.91	0.496
180	7.97	29.92	0.490
220	7.96	30.00	0.491

STA 608 47° 30.6' N WEATHER b.c. 14 Apr 53 122° 24.1' W WIND N 2 1305 (+8) DEPTH 56 fm 52°/46°F Pt. Vashon			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.22	29.40	0.513
5	8.21	29.40	0.526
10	8.20	-----	0.523
20	8.14	-----	0.519
30	8.10	-----	0.515
49	8.03	-----	0.511
74	8.05	-----	0.509
98	8.06	-----	0.510

STA 609 47° 26.4' N WEATHER b.c. 14 Apr 53 122° 23.0' W WIND SW 10 1426 (+8) DEPTH 125 fm 52°/48°F Pully Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.63	29.19	0.578
5	8.66	29.19	0.585
10	8.37	29.19	0.574
20	8.32	29.26	0.562
30	8.28	29.30	0.553
50	8.13	29.49	0.538
75	8.06	29.68	0.517
100	7.99	29.82	0.501
140	7.93	29.93	0.481
180	7.93	29.96	0.482
220	7.93	29.97	0.482

STA 610 47° 19.1' N WEATHER b.c. 14 Apr 53 122° 28.2' W WIND SW 7 1605 (+8) DEPTH 95 fm 54°/48°F Brown Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.61	29.05	0.536
5	8.54	29.05	0.540
10	8.25	29.36	0.524
20	8.17	29.50	0.509
30	8.11	29.56	0.491
50	8.07	29.62	0.484
75	8.04	29.69	0.482
100	7.93	29.82	0.467
130	7.91	29.96	0.459
160	7.91	29.96	0.458

STA 611 47° 14.1' N WEATHER c. 14 Apr 53 122° 34.3' W WIND SW 7½ 1720 (+8) DEPTH 41 fm 52°/46°F Day Island			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.13	29.54	0.503
5	8.13	29.57	0.502
10	8.14	29.55	0.498
30	8.11	29.59	0.494
49	8.06	29.63	0.486

STA 612 47° 11.0' N WEATHER c. 14 Apr 53 122° 37.9' W WIND W 4 1816 (+8) DEPTH 93 fm 51°/45°F Gordon Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.30	29.24	0.523
5	8.30	29.24	0.524
10	8.29	29.23	0.517
20	8.29	29.23	0.516
30	8.27	29.24	0.516
49	8.23	29.27	0.513
74	8.25	29.28	0.512
98	8.23	29.35	0.506
128	8.21	29.33	0.498
157	8.16	29.49	0.497

STA 613 47° 07.2' N WEATHER c. 14 Apr 53 122° 42.6' W WIND W 5 1929 (+8) DEPTH 35 fm 50°/46°F Nisqually Reach			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.38	29.02	0.544
5	8.38	29.00	0.539
10	8.32	29.12	0.536
20	8.29	29.18	0.523
30	8.26	29.22	0.518
60	8.18	29.37	0.509

STA 614 47° 10.0' N WEATHER b. 14 Apr 53 122° 47.3' W WIND NW 9.5 2021 (+8) DEPTH 53 fm 48°/45°F Devil's Head			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.42	28.87	0.566
5	8.45	28.91	0.564
10	8.46	28.88	0.559
20	8.47	28.90	0.554
30	8.41	28.97	0.542
50	8.33	29.05	0.539
75	8.31	29.14	0.523

STA 615 47° 16.9' N WEATHER b. 14 Apr 53 122° 42.7' W WIND NxE 1 2240 (+8) DEPTH 49 fm 46°/45°F Green Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.78	28.96	0.596
5	8.79	28.97	0.594
10	8.34	29.06	0.520
20	8.28	29.14	0.477
30	8.26	29.20	0.475
40	8.22	29.31	0.498
60	8.25	29.33	0.505
85	8.23	29.36	0.502

STA 616 47° 44.6' N WEATHER b. 15 Apr 53 122° 25.6' W WIND NxE 1 0625 (+8) DEPTH 153 fm 46°/45°F Pt. Jefferson			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.22	29.33	0.519
10	8.21	29.46	0.512
20	8.18	29.58	0.508
30	8.14	29.61	0.501
50	8.06	29.73	0.493
75	8.04	29.86	0.490
100	8.07	29.84	0.490
150	8.07	29.93	0.490
200	8.05	30.00	0.478
240	8.06	30.00	0.488
275	8.08	30.00	0.486

STA 617 47° 54.3' N WEATHER 10 15 Apr 53 122° 29.0' W WIND NxE 2 0757 (+8) DEPTH 113 fm 45°/42°F Pt. No Point			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.41	28.67	0.580
5	8.34	29.16	0.536
10	8.26	29.37	0.514
20	8.16	29.61	0.512
30	8.13	29.64	0.501
50	8.09	29.78	0.494
75	8.11	29.82	0.498
98	8.10	29.83	0.501
147	8.10	29.97	0.496
170	8.05	30.13	0.493

STA 618 47° 57.7' N WEATHER o. 15 Apr 53 122° 35.0' W WIND NW 4 0857 (+8) DEPTH 69 fm 48°/46°F Double Bluff			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.33	29.10	0.566
5	8.33	29.16	0.560
10	8.32	29.32	0.527
20	8.21	29.62	0.523
30	8.21	29.69	0.521
50	8.11	29.79	0.513
75	8.11	29.87	0.506
100	8.03	30.09	0.497

STA 619 48° 06.2' N WEATHER o. 15 Apr 53 122° 38.9' W WIND NWxN 4 0955 (+8) DEPTH 103 fm 50°/46°F Marrowstone Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.41	29.03	0.567
5	8.20	29.58	0.521
10	8.16	29.67	0.515
19	8.13	29.82	0.508
29	8.06	29.97	0.506
47	7.99	30.23	0.497
71	7.99	30.30	0.493
95	7.99	30.35	0.491
93	7.95	30.46	0.492
120	7.95	30.52	0.486

STA 620 48° 08.0' N WEATHER o. 15 Apr 53 122° 41.3' W WIND NWxW 10 1043 (+8) DEPTH 52 fm 46°/44°F Port Townsend			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.15	29.91	0.514
10	8.12	29.96	0.513
20	8.10	29.96	0.511
50	8.05	30.11	0.509
70	8.02	30.20	0.503
91	8.00	30.16	0.498

STA 621 48° 10.3' N WEATHER o. 15 Apr 53 122° 47.1' W WIND NWxN 10 1134 (+8) DEPTH 32 fm 47°/44°F Middle Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.04	30.46	0.486
5	7.97	30.45	0.486
10	7.98	30.46	0.485
19	7.92	30.64	0.479
28	7.89	30.66	0.482
47	7.83	30.72	0.479

STA 622 48° 12.6' N WEATHER o. 15 Apr 53 122° 52.2' W WIND NW 4 1231 (+8) DEPTH 48 fm 48°/47°F Protection Island			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.08	30.57	0.492
5	7.97	30.64	0.489
10	7.98	30.66	0.487
20	7.92	30.69	0.486
30	7.89	30.73	0.481
50	7.81	30.88	0.473
70	7.80	31.02	0.471
85	7.75	31.15	0.458

STA 623 48° 15.9' N WEATHER 10 15 Apr 53 123° 03.6' W WIND NW 1350 (+8) DEPTH 95 fm 52°/50°F New Dungeness, Northeast of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.93	30.87	0.480
5	7.78	30.95	0.477
10	7.77	30.97	0.473
20	7.75	30.97	0.470
30	7.70	31.07	0.462
50	7.66	31.09	0.460
75	7.63	31.26	0.454
100	7.53	31.69	0.406
130	7.39	32.24	0.362

STA 624 48° 15.0' N WEATHER 10 15 Apr 53 123° 14.2' W WIND NW 2 1507 (+8) DEPTH 76 fm 51°/47°F New Dungeness, Northwest of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.45	30.90	0.482
5	8.14	30.94	0.480
10	7.97	30.93	0.477
19	7.90	30.95	0.474
29	7.72	31.22	0.461
49	7.50	31.59	0.421
73	7.39	32.03	0.380
97	7.34	32.23	0.366
121	7.28	32.39	0.353

STA 625 48° 12.0' N WEATHER 10 15 Apr 53 123° 23.2' W WIND SxE 1 1626 (+8) DEPTH 74 fm 48°/47°F Ediz Hook			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.13	31.39	0.456
5	8.03	31.46	0.454
10	7.46	32.24	0.383
20	7.29	32.60	0.344
30	7.19	32.90	0.327
50	7.12	32.90	0.318
75	7.14	32.98	0.308
100	7.13	32.98	0.302
125	6.97	33.31	0.273

STA 626 48° 14.5' N WEATHER 10 15 Apr 53 123° 31.1' W WIND Sx E 1 1949 (+8) DEPTH 95 fm 50°/48°F Race Rocks			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.68	31.90	0.437
5	7.68	31.94	0.438
10	7.69	31.90	0.437
20	7.59	31.96	0.427
30	7.48	32.08	0.398
50	7.31	32.46	0.362
75	7.02	33.32	0.270
100	6.88	33.48	0.248
130	6.83	33.52	0.240
160	6.85	33.57	0.237

STA 627 48° 16.0' N WEATHER 10 15 Apr 53 123° 40.9' W WIND SE 8 1928 (+8) DEPTH 103 fm 49°/46°F Beechy Head			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.86	31.88	0.478
5	7.82	31.90	0.466
10	7.51	32.04	0.465
20	7.47	32.13	0.403
30	7.42	32.19	0.400
50	7.31	32.47	0.367
75	7.23	32.80	0.320
100	6.99	33.33	0.259
140	6.72	33.72	0.218
180	6.69	33.76	0.213

STA 628 48° 18.2' N WEATHER 10 15 Apr 53 123° 53.7' W WIND E 7.5 2049 (+8) DEPTH 92 fm 48°/45°F Otter Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.69	31.75	0.489
5	7.71	31.79	0.490
10	7.75	31.79	0.489
20	7.55	31.92	0.452
30	7.51	32.02	0.437
49	7.39	32.30	0.392
74	7.18	32.89	0.318
98	6.92	33.38	0.254
127	6.60	33.75	0.205
157	6.52	33.81	0.198

STA 629 48° 18.5' N WEATHER 10 15 Apr 53 124° 02.9' W WIND ----- 2154 (+8) DEPTH 105 fm 47°/45°F Pillar Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.89	31.75	0.518
5	7.90	31.75	0.516
10	7.90	31.79	0.501
20	7.61	31.99	0.452
30	7.46	32.04	0.421
50	7.23	32.48	0.362
75	7.06	33.09	0.292
100	6.62	33.72	0.205
140	6.57	33.70	0.196
180	6.60	33.83	0.203

STA 630 48° 26.9' N WEATHER c. 16 Apr 53 122° 44.3' W WIND S 3 1017 (+8) DEPTH 43 fm 48°/46°F Lawson Reef, North			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	7.96	30.22	0.521
5	7.90	30.29	0.516
10	7.90	30.31	0.515
20	7.88	30.31	0.508
30	7.87	30.35	0.516
50	7.82	30.35	0.513
75	7.86	30.36	0.508

STA 631 48° 25.1' N WEATHER c. 16 Apr 53 122° 35.9' W WIND SSW 1 1110 (+8) DEPTH 19 fm 50°/47°F Dewey			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.36	28.00	0.507
5	8.31	28.22	0.508
10	8.31	28.22	0.508
20	8.30	28.22	0.511
30	8.14	29.12	0.515

STA 632 48° 21.3' N WEATHER c. 16 Apr 53 122° 33.4' W WIND ----- 1149 (+8) DEPTH 6½ fm 51°/47°F Goat Island			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.80	22.94	0.566
2	8.88	24.61	0.579
5	8.39	27.73	0.489
10	8.31	28.12	0.478

STA 633 48° 18.5' N WEATHER c. 16 Apr 53 122° 29.5' W WIND NWxN 95 1227 (+8) DEPTH 14½ fm 54°/50°F Strawberry Pt. North			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.08	14.47	0.625
5	8.90	23.37	0.551
10	8.54	24.47	0.530
20	8.26	28.88	0.444

STA 634 48° 14.4' N WEATHER c. 16 Apr 53 122° 33.1' W WIND SW 2 1319 (+8) DEPTH 48 fm 53°/48°F Demock Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.30	25.07	0.895
5	8.60	26.17	0.713
10	8.46	27.56	0.568
20	8.23	29.16	0.438
30	8.17	29.41	0.432
50	8.11	29.53	0.421
75	8.14	29.64	0.413

STA 635 48° 06.4' N WEATHER c. 16 Apr 53 122° 29.4' W WIND NW 3 1436 (+8) DEPTH 78 fm 54°/50°F East Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.30	26.21	0.883
5	9.29	26.52	0.810
10	8.40	28.42	0.507
20	8.19	29.33	0.460
30	8.14	29.41	0.436
50	8.05	29.64	0.441
75	8.08	29.65	0.434
100	8.04	29.71	0.439
130	8.02	29.77	0.438

STA 636 48° 02.7' N WEATHER c. 16 Apr 53 122° 22.5' W WIND SSE 3 1538 (+8) DEPTH 98 fm 54°/50°F Camano Head, West			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.25	26.20	0.865
5	8.89	27.18	0.737
10	8.27	29.03	0.502
20	8.21	29.33	0.478
30	8.13	29.43	0.467
50	8.05	29.56	0.464
75	8.03	29.70	0.464
100	8.01	29.76	0.452
150	7.96	29.87	0.451

STA 637 48° 09.3' N WEATHER 61 16 Apr 53 122° 24.9' W WIND SSE 8 1703 (+8) DEPTH 53 fm 52°/50°F Port Susan, Head of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.15	17.99	0.743
5	8.31	28.39	0.522
10	8.23	29.25	0.488
20	8.19	29.43	0.431
30	8.15	29.49	0.414
50	8.32	29.66	0.393
85	8.21	29.86	0.390
			0.

STA 638 48° 03.9' N WEATHER 61
 16 Apr 53 122° 19.6' W WIND ExS 6
 1806 (+8) DEPTH 67 fm 50°/49°F
 Camano Head, East of

Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
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0	9.28	10.25	0.742
5	8.50	27.68	0.627
10	8.28	29.14	0.517
20	8.24	29.35	0.485
30	8.16	29.45	0.474
50	8.13	29.64	0.421
85	8.15	29.84	0.402

STA 639 47° 58.6' N WEATHER 61
 16 Apr 53 122° 17.1' W WIND ExS 4
 1900 (+8) DEPTH 72 fm 51°/50°F
 Port Gardner

Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
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0	9.00	25.28	0.741
5	8.36	28.76	0.543
10	8.24	29.36	0.493
20	8.16	29.50	0.508
30	8.16	29.54	0.506
50	8.05	29.68	0.440
80	8.02	29.80	0.440
110	8.00	29.86	0.447

STA 640 47° 53.5' N WEATHER 63 16 Apr 53 122° 21.0' W WIND SSE 9½ 1956 (+8) DEPTH 124 fm 50°/49°F Possession Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.09	25.90	0.810
5	8.36	29.00	0.571
10	8.35	29.04	0.568
20	8.24	29.43	0.554
30	8.12	29.58	0.515
50	8.05	29.70	0.499
75	8.06	29.79	0.495
100	8.08	29.86	0.513
140	8.04	29.87	0.500
180	8.02	29.91	0.494
215	8.01	29.97	0.494

STA 641 47° 56.1' N WEATHER b.c. 17 Apr 53 122° 38.1' W WIND SxE 8 1800 (+8) DEPTH 66 fm 58°/50°F Tala Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.24	29.89	0.533
5	8.22	29.95	0.529
10	8.27	29.95	0.529
20	8.18	30.02	0.527
30	8.13	30.09	0.522
50	8.04	30.22	0.513
75	8.09	30.23	0.509
100	8.08	30.26	0.510

STA 642 47° 49.9' N WEATHER b. 17 Apr 53 122° 40.1' W WIND SxE 1937 (+8) DEPTH 37 fm 54°/49°F South Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.78	29.57	0.541
5	8.45	29.84	0.379
10	8.43	29.87	0.527
20	8.24	30.09	0.519
30	8.14	30.19	0.499
40	8.03	30.32	0.507
60	8.04	30.35	0.510

STA 643 47° 41.9' N WEATHER b. 17 Apr 53 122° 45.7' W WIND S 3 2101 (+8) DEPTH 68 fm 51°/48°F Hazel Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.09	28.88	0.185
5	8.88	29.16	0.515
10	8.81	29.31	0.530
20	8.41	29.77	0.510
30	8.22	29.95	0.504
40	8.16	30.01	0.488
70	8.16	30.16	0.481
100	8.19	30.20	Empty

STA 644 47° 40.0' N WEATHER b. 17 Apr 53 122° 52.4' W WIND SW 6 2305 (+8) DEPTH 75 fm 48°/47°F Pleasant Harbor			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.03	29.03	0.515
5	8.93	29.18	0.289
10	8.51	29.37	0.290
20	8.37	29.80	0.314
30	8.25	29.93	0.352
50	8.22	30.11	0.370
75	8.15	30.15	0.396
100	8.32	30.30	0.362
125	8.47	30.42	0.389

STA 645 47° 24.0' N WEATHER c. 18 Apr 53 122° 55.9' W WIND ENE 2 0820 (+8) DEPTH 13 fm 46°/45°F Lynch Cove, Head of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.62	23.53	0.646
5	9.28	28.28	0.540
10	8.95	29.43	0.373
20	8.74	29.78	0.345

STA 646 47° 21.7' N WEATHER c. 18 Apr 53 122° 04.2' W WIND ESE 3 0929 (+8) DEPTH 21 fm 49°/48°F Tahuya River			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.01	24.83	0.637
5	9.37	28.23	0.508
10	8.78	29.23	0.444
20	8.64	29.80	0.356
30	8.62	29.99	0.345

STA 647 47° 23.5' N WEATHER c. 18 Apr 53 123° 07.8' W WIND SWxS 3 1027 (+8) DEPTH 60 fm 53°/50°F Musqueti Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.86	22.68	0.584
5	8.99	28.86	0.494
10	8.58	29.45	0.434
20	8.52	29.75	0.398
30	8.52	29.98	0.368
40	8.54	30.04	0.363
50	8.54	30.15	0.371
75	8.63	30.30	0.356
100	8.78	30.42	0.329

STA 648 47° 25.4' N WEATHER b.c. 18 Apr 53 123° 06.4' W WIND SSE 3 1147 (+8) DEPTH 67 fm 58°/55°F Red Bluff			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.98	21.11	0.655
5	8.87	29.14	0.363
10	8.56	29.51	0.429
20	8.52	29.88	0.383
30	8.46	30.00	0.372
40	8.47	30.02	0.376
50	8.53	30.11	0.370
75	8.64	30.24	0.344
100	8.73	30.40	0.355

STA 649 47° 28.7' N WEATHER b.c. 18 Apr 53 123° 03.9' W WIND SSE 3 1253 (+8) DEPTH 84 fm 62°/55°F Eagle Creek			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.50	25.52	0.584
5	8.79	29.20	0.469
10	8.54	29.51	0.433
20	8.32	29.80	0.409
30	8.22	29.88	0.410
50	8.25	30.02	0.407
75	8.49	30.26	0.396
100	8.71	30.43	0.355
150	9.03	30.81	0.282

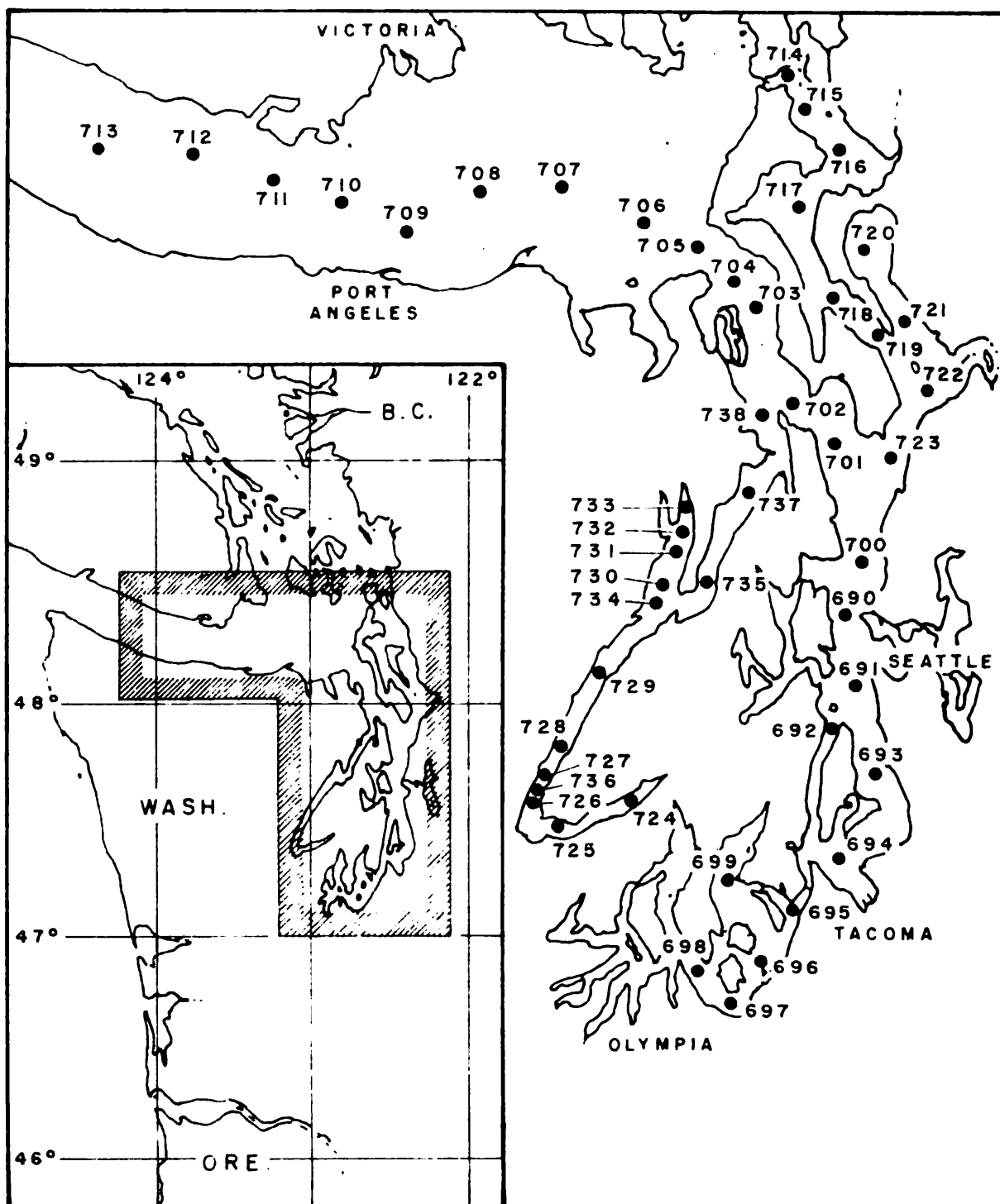
STA 650 47° 35.5' N WEATHER c. 18 Apr 53 122° 58.0' W WIND SSE 7 1416 (+8) DEPTH 91 fm 62°/55°F Tekiu Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.23	26.67	0.583
5	9.14	28.73	0.524
10	8.50	29.46	0.435
20	8.31	29.79	0.450
30	8.17	29.91	0.437
50	8.14	30.05	0.423
75	8.24	30.15	0.411
100	8.49	30.30	0.404
130	8.55	30.61	0.349
160	8.95	30.76	0.326

STA 651 47° 41.9' N WEATHER c. 18 Apr 53 122° 51.8' W WIND S 6 1603 (+8) DEPTH 80 fm 57°/50°F Tskutsko Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.53	28.78	0.570
5	9.24	28.99	0.563
10	8.61	29.36	0.579
20	8.33	29.64	0.340
30	8.15	29.86	0.341
50	8.27	30.07	0.438
75	8.24	30.20	0.423
100	8.38	30.38	0.393
130	8.72	30.67	0.352

STA 652 47° 44.6' N WEATHER c. 18 Apr 53 122° 49.8' W WIND SSE 6 1657 (+8) DEPTH 102 fm 58°/52°F Tabook Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.05	28.32	0.592
5	9.95	28.31	0.598
10	8.82	28.99	0.559
20	8.29	29.73	0.467
30	8.26	29.87	0.465
50	8.19	30.06	0.439
75	8.21	30.19	0.414
100	8.42	30.42	0.388
140	8.88	30.83	0.321
180	8.91	30.96	0.242

STA 653 47° 46.9' N WEATHER c. 18 Apr 53 122° 48.6' W WIND S 5 1753 (+8) DEPTH 89 fm 58°/52°F Bolton Peninsula, East of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.58	27.96	0.618
5	10.35	28.04	0.615
10	8.59	29.35	0.531
20	8.30	29.72	0.428
30	8.18	29.88	0.445
40	8.18	30.02	0.415
50	8.16	30.03	0.421
75	8.26	30.17	0.399
100	8.48	30.36	0.374
130	8.85	30.83	0.314

STA 654 47° 49.9' N WEATHER 61 18 Apr 53 122° 48.8' W WIND S 3 1839 (+8) DEPTH 28 fm 57°/51°F Dabob Bay, Head of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.31	27.33	0.617
5	9.92	27.68	0.625
10	8.53	29.41	0.514
20	8.30	29.70	0.418
30	8.30	29.89	0.359
40	8.33	29.97	0.370



Oceanographic Station Locations
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STA 690 47° 39.9' N WEATHER 61 18 May 53 122° 28.4' W WIND S 6 1115 (+8) DEPTH 124 fm 54°/54°F West Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.32	28.81	0.916
5	9.65	29.07	0.665
10	9.50	29.25	0.626
20	9.21	29.42	0.572
30	9.04	29.51	0.554
50	8.97	29.59	0.542
75	8.78	29.71	0.508
100	8.86	29.83	0.489
140	8.72	29.95	0.489
180	8.61	30.02	0.480
220	8.46	30.03	0.480

STA 691 47° 34.4' N WEATHER 61 18 May 53 122° 26.1' W WIND S 3 1236 (+8) DEPTH 130 fm 55°/54°F Alki Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.67	29.30	0.685
5	9.35	29.42	0.608
10	9.40	29.42	0.631
20	9.24	29.43	0.581
30	9.13	29.49	0.568
50	9.14	29.50	0.562
75	8.74	29.73	0.514
100	8.70	29.79	0.502
140	8.59	29.90	0.486
180	8.42	29.99	0.480
220	8.39	30.00	0.478

STA 692 47° 30.8' N WEATHER 61 18 May 53 122° 29.0' W WIND S 3 1338 (+8) DEPTH 48 fm 54°/54°F Pt. Vashon			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.26	29.35	0.569
5	9.16	29.44	0.566
10	9.17	29.48	0.558
20	9.14	29.50	0.557
30	9.05	29.52	0.553
50	9.02	29.53	0.547
75	9.03	29.52	0.547
100	8.91	29.56	0.537

STA 693 47° 26.6' N WEATHER 61 18 May 53 122° 23.8' W WIND SECS 12 1505 (+8) DEPTH 130 fm 56°/56°F Pully Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.65	28.39	0.893
5	10.45	28.65	0.866
10	9.96	29.19	0.762
20	9.67	29.33	0.693
30	9.46	29.35	0.624
50	8.97	29.57	0.542
75	8.70	29.69	0.514
100	8.47	29.93	0.486
140	8.42	29.96	0.486
180	8.32	30.04	0.474
220	8.32	30.04	0.460

STA 694 47° 19.4' N WEATHER 61 18 May 53 122° 27.8' W WIND SE xS 12 1642 (+8) DEPTH 95 fm 58°/57°F Brown Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	10.35	26.80	0.824
5	9.73	28.73	0.736
10	9.42	29.32	0.627
20	9.22	29.43	0.583
30	9.05	29.50	0.557
49	8.92	29.58	0.530
74	8.71	29.68	0.520
98	8.53	29.86	0.496
128	8.46	29.91	0.491
157	8.35	29.99	0.492

STA 695 47° 14.4' N WEATHER 01 18 May 53 122° 34.8' W WIND SW xS 13 1757 (+8) DEPTH 35 fm 56°/55°F Day Island			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	9.43	29.30	0.576
5	9.41	29.32	0.575
10	9.29	29.39	0.569
30	9.18	29.41	0.566
50	9.20	29.43	0.565

STA 696 47° 11.1' N WEATHER 01 18 May 53 122° 37.8' W WIND SW xS 12 1851 (+8) DEPTH 90 fm 56°/54°F Gordon Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	9.97	28.53	0.605
5	9.90	28.54	0.598
10	9.72	29.07	0.595
19	9.63	29.14	0.588
29	9.54	29.19	0.578
48	9.38	29.32	0.568
72	9.34	29.34	0.564
96	9.36	29.35	0.562
124	9.32	29.40	0.560
153	9.21	29.41	0.553

STA 697 47° 07.4' N WEATHER 61 18 May 53 122° 42.9' W WIND SW 13 2000 (+8) DEPTH 35 fm 56°/54°F Nisqually Reach			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	9.28	29.39	0.555
5	9.28	29.38	0.562
10	9.27	29.38	0.560
20	9.27	29.41	0.557
30	9.25	29.41	0.558
60	9.28	29.41	0.560

STA 698 47° 10.0' N WEATHER 62 18 May 53 122° 47.3' W WIND SWxS 4 2049 (+8) DEPTH 50 fm 56°/55°F Devil's Head			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.60	28.78	0.667
5	10.28	28.93	0.630
10	10.10	29.01	0.617
20	9.89	29.08	0.598
30	9.82	29.10	0.583
50	9.57	29.23	0.575
75	9.37	29.32	0.558

STA 699 47° 17.2' N WEATHER 30 18 May 53 122° 42.7' W WIND WxS 10 2311 (+8) DEPTH 50 fm 50°/50°F Carr Inlet (Green Pt.)			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.75	29.05	0.651
5	10.70	29.05	0.648
10	9.64	29.27	0.577
20	9.45	29.32	0.565
30	9.33	29.33	0.560
40	9.15	29.33	0.534
60	8.89	29.34	0.502
85	8.85	29.34	0.457

STA 700 47° 45.0' N WEATHER 02 19 May 53 122° 25.8' W WIND SSE 4 0617 (+8) DEPTH 154 fm 50°/49°F Pt. Jefferson			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.81	28.92	0.682
5	9.72	28.97	0.659
10	9.67	29.09	0.647
20	9.16	29.40	0.576
29	9.05	29.48	0.553
49	8.97	29.67	0.513
74	8.96	29.85	0.495
98	8.97	29.91	0.488
147	8.66	29.95	0.473
196	8.55	30.01	0.479
245	8.60	30.04	0.478
260	8.59	30.03	0.480

STA 701 47° 53.8' N WEATHER 02 19 May 53 122° 28.9' W WIND SExS 9 0753 (+8) DEPTH 107 fm 52°/51°F Point No Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.75	28.84	0.624
5	9.69	28.89	0.601
10	9.61	29.11	0.600
20	9.11	29.64	0.511
30	9.08	29.66	0.507
50	8.98	29.71	0.496
75	9.15	29.90	0.495
100	9.16	29.94	0.492
150	9.21	30.01	0.497
190	9.24	30.12	0.496

STA 702 47° 57.5' N WEATHER 02 19 May 53 122° 34.8' W WIND ExS 6 0858 (+8) DEPTH 64 fm 54°/52°F Double Bluff			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	10.12	28.64	0.582
5	10.14	29.14	0.585
10	10.14	29.37	0.576
20	9.70	29.62	0.539
30	9.48	29.88	0.515
50	9.25	30.13	0.498
75	9.18	30.21	0.492
100	9.16	30.34	0.485

STA 703 48° 05.7' N WEATHER 01 19 May 53 122° 41.6' W WIND S 2 1030 (+8) DEPTH 106 fm 57°/53°F Marrowstone Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	10.00	29.22	0.569
5	9.46	29.68	0.532
10	9.35	29.90	0.515
20	9.29	30.02	0.506
25	9.27	30.03	0.496
50	9.09	30.35	0.487
75	9.03	30.53	0.474
115	9.02	30.56	0.473
155	8.92	30.73	0.464

STA 704 48° 08.4' N WEATHER 02 19 May 53 122° 41.4' W WIND S 3 1111 (+8) DEPTH 63 fm 52°/50°F Port Townsend			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	9.59	29.99	0.518
10	9.25	30.13	0.497
20	9.24	30.16	0.498
30	9.25	30.16	0.495
50	9.14	30.30	0.487
75	8.89	30.81	0.458
100	8.77	30.99	0.384

STA 705 48° 10.8' N WEATHER 01 19 May 53 122° 46.9' W WIND NW 6 1150 (+8) DEPTH 34 fm 52°/49°F Middle Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	9.61	30.31	0.505
5	9.08	30.45	0.484
10	9.06	30.49	0.482
20	9.00	30.61	0.470
30	8.92	30.75	0.460
50	8.85	30.86	0.458

STA 706 48° 12.3' N WEATHER 01
 19 May 53 122° 53.3' W WIND NWxW 6
 1249 (+8) DEPTH 53 fm 58°/53°F
 Protection Island

Depth (m)	Temp (C)	Sal (/oo)	O ₂ (mg-at/L)
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0	9.46	30.63	0.484
5	9.33	30.63	0.477
10	9.04	30.69	0.467
20	8.93	30.72	0.466
30	8.80	30.83	0.457
50	8.43	31.51	0.412
70	8.06	32.06	0.377
85	7.95	32.25	0.364

STA 707 48° 15.7' N WEATHER 03
 19 May 53 123° 04.8' W WIND W 20
 1405 (+8) DEPTH 93 fm 52°/50°F
 New Dungeness, Northeast of

Depth (m)	Temp (C)	Sal (/oo)	O ₂ (mg-at/L)
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0	9.48	30.30	0.500
5	9.27	30.31	0.499
10	9.18	30.42	0.496
20	8.92	30.67	0.469
30	8.81	30.82	0.459
49	8.41	31.49	0.423
74	8.11	32.00	0.383
99	7.93	32.34	0.360
127	7.57	32.86	0.308
144	7.47	33.15	0.288

STA 708 48° 15.1' N WEATHER 63
 19 May 53 123° 14.0' W WIND W 8
 1517 (+8) DEPTH 76 fm 49°/48°F
 New Dungeness, Northwest of

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
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0	9.19	30.62	0.491
5	9.16	30.63	0.493
10	9.20	30.62	0.487
20	8.96	30.74	0.469
30	8.66	31.30	0.440
50	8.43	31.55	0.416
75	8.11	31.95	0.384
100	7.73	32.61	0.327
130	7.47	32.94	0.295

STA 709 48° 12.0' N WEATHER 50
 19 May 53 123° 24.1' W WIND W 12
 1646 (+8) DEPTH 70 fm 50°/48°F
 Ediz Hook

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
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0	9.12	30.90	0.492
5	9.08	30.92	0.493
10	9.08	30.92	0.488
20	8.69	31.22	0.448
30	8.47	31.54	0.421
50	8.12	31.56	0.378
75	7.80	32.39	0.352
100	7.54	32.96	0.298
125	7.15	33.42	0.255

STA 710 48° 14.9' N WEATHER 02 19 May 53 123° 31.9' W WIND NWxN 20 1818 (+8) DEPTH 95 fm 48°/47°F Race Rocks			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.10	30.96	0.475
5	8.84	31.11	0.466
10	8.58	31.46	0.414
20	8.56	31.53	0.428
30	8.24	31.93	0.394
50	8.18	32.05	0.382
75	7.60	32.77	0.318

STA 711 48° 15.4' N WEATHER 02 19 May 53 123° 40.3' W WIND SWxW 12 1953 (+8) DEPTH 99 fm 48°/46°F Beechy Head			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.74	31.56	0.458
5	8.68	31.55	0.457
10	8.67	31.56	0.454
20	8.72	31.58	0.458
30	8.40	31.70	0.424
49	8.21	32.00	0.359
74	8.03	32.22	0.361
98	7.27	33.03	0.285
138	6.88	33.76	0.210
175	6.88	33.78	0.212

STA 712 48° 17.6' N WEATHER 01 19 May 53 123° 51.6' W WIND WxN 10 2200 (+8) DEPTH 92 fm 48°/46°F Otter Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.68	31.48	0.472
5	8.67	31.50	0.466
10	8.57	31.63	0.404
20	8.54	31.66	0.435
30	8.43	31.75	0.420
50	8.30	31.94	0.404
75	7.68	32.51	0.343
100	7.01	33.60	0.234
130	6.98	33.77	0.214
160	6.90	33.79	0.211

STA 713 48° 18.4' N WEATHER 01 19 May 53 124° 03.5' W WIND SWxW 13 2345 (+8) DEPTH 105 fm 48°/46°F Pillar Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	8.65	31.64	0.458
5	8.65	31.66	0.455
10	8.54	31.66	0.440
20	8.42	31.75	0.417
30	8.30	31.90	0.408
50	8.01	32.19	0.369
75	7.61	32.59	0.324
100	6.98	33.65	0.223
140	6.86	33.82	0.209
180	6.87	33.82	0.216

STA 714 48° 25.1' N WEATHER 03 20 May 53 122° 35.9' W WIND SE-13 0939 (+8) DEPTH 19 51°/47°F Dewey			
Depth	Temp	Sal	O ₂
(m)	(°C)	(°/oo)	(mg-at/L)
0	9.71	23.96	0.557
5	9.27	26.82	0.483
10	9.15	27.66	0.467
20	9.18	28.21	0.475
30	9.12	28.74	0.473

STA 715 48° 21.4' N WEATHER 01 20 May 53 122° 33.4' W WIND SE-12 1030 (+8) DEPTH 12 52°/47°F Goat Island			
Depth	Temp	Sal	O ₂
(m)	(°C)	(°/oo)	(mg-at/L)
0	10.14	16.60	0.574
2	9.55	21.76	0.511
5	9.23	25.30	0.468
10	9.05	27.43	0.446

STA 716 48° 18.4' N WEATHER 01 20 May 53 122° 29.4' W WIND SE 16 1124 (+8) DEPTH 18 54°/48°F Strawberry Pt, North of			
Depth	Temp	Sal	O ₂
(m)	(C)	(/oo)	(mg-at/L)
0	11.37	17.30	0.631
5	9.13	26.80	0.456
10	8.68	28.37	0.403
20	8.46	29.08	0.376

STA 717 48° 13.9' N WEATHER 01 20 May 53 122° 33.0' W WIND S 9 1223 (+8) DEPTH 49 55°/50°F Demock Pt.			
Depth	Temp	Sal	O ₂
(m)	(C)	(/oo)	(mg-at/L)
0	11.46	23.04	0.735
5	11.48	23.08	0.740
10	9.63	26.52	0.508
20	8.48	29.09	0.364
30	8.58	29.31	0.420
50	8.48	29.46	0.407
75	8.16	29.60	0.365

STA 718 48° 06.5' N WEATHER 03 20 May 53 122° 29.4' W WIND SExE 10 1355 (+8) DEPTH 78 58°/50°F East Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.90	24.96	0.733
5	11.71	25.03	0.725
10	9.45	28.23	0.502
20	8.93	29.30	0.462
30	8.85	29.43	0.459
50	8.50	29.63	0.427
75	8.20	29.64	0.379
100	8.14	29.69	0.378
130	8.12	29.70	0.368

STA 719 48° 02.9' N WEATHER 03 20 May 53 122° 22.5' W WIND SExE 10 1504 (+8) DEPTH 95 58°/48°F Camano Head, West of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.55	25.13	0.727
5	9.94	27.48	0.565
10	9.39	28.66	0.508
20	9.19	29.31	0.495
30	9.14	29.51	0.387
50	8.77	29.61	0.453
75	8.38	29.69	0.419
100	8.12	29.73	0.387
125	8.13	29.73	0.390
150	8.13	29.79	0.320

STA 720 48° 09.2' N WEATHER 02 20 May 53 122° 24.9' W WIND SExE 5 1626 (+8) DEPTH 52 60°/53°F Port Susan, Head of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	13.05	17.72	0.635
5	12.11	18.01	0.635
10	9.32	28.49	0.468
20	8.83	29.01	0.432
30	8.52	29.28	0.415
50	8.37	29.44	0.375
85	8.15	29.85	0.346

STA 721 48° 04.3' N WEATHER 02 20 May 53 122° 19.7' W WIND SExE 1 1725 (+8) DEPTH 65 62°/53°F Camano Head, East of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.85	7.37	0.658
5	10.93	24.82	0.658
10	9.72	28.33	0.547
20	9.43	29.18	0.515
30	9.13	29.37	0.466
50	8.65	29.51	0.429
75	8.18	29.70	0.352
100	8.27	30.00	0.344

STA 722 47° 58.5' N WEATHER b.c.
 20 May 53 122° 17.0' W WIND ENE 8
 1833 (+8) DEPTH 74 64°/56°F
 Port Gardner

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.54	21.23	0.710
5	10.22	27.88	0.634
10	10.29	28.67	0.710
20	9.43	29.27	0.544
30	9.11	29.50	0.484
50	8.73	29.57	0.433
80	8.39	29.69	0.349
110	8.31	29.78	0.350

STA 723 47° 53.7' N WEATHER b.c.
 20 May 53 122° 21.2' W WIND ENE 6
 1941 (+8) DEPTH 130 59°/53°F
 Possession Pt.

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.53	23.03	0.753
5	10.66	28.45	0.815
10	10.20	28.81	0.783
20	9.64	29.15	0.595
30	9.29	29.43	0.542
50	9.06	29.64	0.498
75	8.95	29.73	0.469
100	8.38	29.75	0.417
140	8.20	29.87	0.378
180	8.27	29.96	0.417
215	8.24	29.95	0.404

STA 724 47° 24.0' N WEATHER 03
 21 May 53 122° 55.8' W WIND SW 10
 0613 (+8) DEPTH 10 fm 48°/46°F
 Lynch Cove

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.44	25.56	0.663
5	11.30	27.01	0.564
10	9.17	29.53	0.306
18	8.80	29.91	0.172

STA 725 47° 21.4' N WEATHER 03
 21 May 53 123° 03.6' W WIND SxE 6
 0732 (+8) DEPTH 24 49°/48°F
 Tahuya River

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.01	20.30	0.684
5	9.88	28.28	0.606
10	9.05	29.53	0.398
20	8.71	29.83	0.337
30	8.61	29.97	0.294

STA 726 47° 23.5' N WEATHER 03 21 May 53 123° 07.8' W WIND SE 12 0826 (+8) DEPTH 62 ... SE 12 Musqueti Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	11.25	24.92	0.750
5	9.55	28.99	0.595
10	9.11	29.43	0.476
20	8.75	29.80	0.424
30	8.44	29.88	0.364
40	8.59	30.04	0.301
50	8.55	30.08	0.304
75	8.56	30.20	0.296
100	8.78	30.51	0.263

STA 727 47° 25.2' N WEATHER 25 21 May 53 123° 06.7' W WIND S 15 0935 (+8) DEPTH 69 fm 54°/50°F Red Bluff			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	11.00	26.46	0.731
5	9.41	28.87	0.605
10	9.15	29.43	0.496
20	8.70	29.77	0.421
30	8.38	29.89	0.383
40	8.43	29.96	0.335
50	8.43	30.04	0.326
75	8.52	30.15	0.306
100	8.61	30.33	0.308

STA 728 47° 28.8' N WEATHER 25 21 May 53 123° 03.4' W WIND SW 4-18 1049 (+8) DEPTH 86 52°/47°F Eagle Creek			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	11.19	26.38	0.754
5	9.96	28.43	0.653
10	9.52	29.19	0.523
20	8.67	29.86	0.419
30	8.33	29.93	-----
50	8.30	30.03	0.356
75	8.42	30.18	0.347
100	8.52	30.33	0.326
125	8.80	30.53	0.285
150	8.87	30.78	0.273

STA 729 47° 35.7' N WEATHER 63 21 May 53 123° 58.3' W WIND SxW 16 1230 (+8) DEPTH 93 53°/50°F Tekiu Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	10.70	27.74	0.793
5	10.75	27.74	0.792
10	10.23	28.59	0.642
19	9.07	29.79	0.455
29	8.75	29.96	0.428
48	8.34	30.04	0.393
69	8.29	30.11	0.374
92	8.37	30.25	0.356
120	8.66	30.50	0.322
147	8.82	30.64	0.290

STA 730 47° 42.2' N WEATHER 62 21 May 53 122° 51.3' W WIND SxW 20 1408 (+8) DEPTH 90 52°/48°F Tskutsko Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	11.14	28.15	0.739
5	11.12	28.16	0.734
10	10.95	28.26	0.585
19	9.42	29.71	0.484
28	9.06	29.88	0.454
47	8.52	30.02	0.406
70	8.34	30.14	0.383
94	8.29	30.24	0.403
122	8.50	30.45	0.348

STA 731 47° 44.8' N WEATHER 62 21 May 53 122° 49.8' W WIND SxW 24 1450 (+8) DEPTH 105 53°/50°F Tabook Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
8	12.10	27.55	0.715
5	12.06	27.54	0.713
15	9.36	27.70	0.500
24	8.76	29.75	0.421
47	8.42	29.96	0.409
70	8.27	30.08	0.379
91	8.28	30.19	0.385
126	8.55	30.49	0.338
160	8.89	30.48	0.262

STA 732 47° 46.7' N WEATHER 03 21 May 53 122° 48.7' W WIND SxW 24 1550 (+8) DEPTH 95 52°/49°F Bolton Peninsula, East of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	12.05	27.38	0.708
5	12.05	27.39	0.710
10	11.98	27.41	0.715
19	9.30	29.42	0.527
29	8.72	29.80	0.418
48	8.36	29.96	0.357
70	8.27	30.05	0.387
88	8.28	30.16	0.365
118	8.57	30.52	0.336

STA 733 47° 50.1' N WEATHER 03 21 May 53 122° 51.3' W WIND SxW 28 1638 (+8) DEPTH 24 55°/50°F Dabob Bay, Head of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	13.22	26.96	0.600
5	13.31	26.97	0.596
10	13.26	27.00	0.604
20	13.22	27.02	0.615
30	8.75	29.78	0.418
40	8.53	29.91	0.391

STA 734 47° 40.3' N WEATHER 02 21 May 53 122° 52.2' W WIND SSW 23 ¹ / ₂ 1830 (+8) DEPTH 74 52°/48°F Pleasant Harbor			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.82	29.19	0.550
5	9.84	29.21	0.549
10	9.69	29.42	0.526
19	9.02	29.93	0.444
29	8.82	30.00	0.423
48	8.71	30.09	0.409
73	8.39	30.11	0.385
97	8.36	30.27	0.380
122	8.64	30.52	0.321

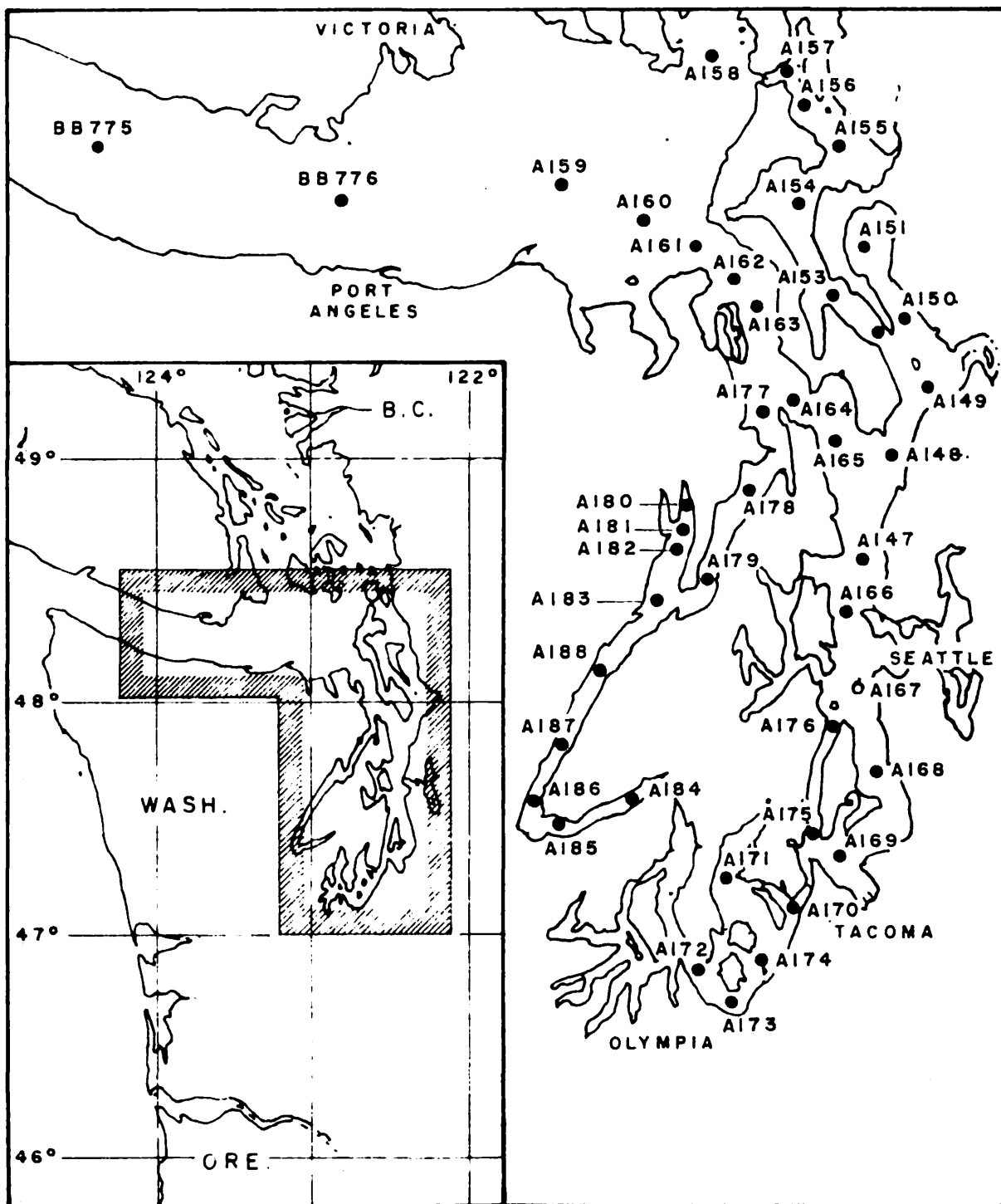
STA 735 47° 41.9' N WEATHER-b.c. 21 May 53 122° 45.5' W WIND-Ssd 12 1934 (+8) DEPTH 62 50°/47°F Hazel Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.19	27.59	0.754
5	11.24	27.59	0.756
9	10.32	28.68	0.625
17	9.51	29.75	0.504
27	9.17	30.01	0.460
45	9.03	30.06	0.441
71	8.63	30.17	0.397
98	8.53	30.20	0.390

STA 736 47° 24.5' N WEATHER 00. 22 May 53 123° 08.1' W WIND S 2 0136 (+8) DEPTH 11 47°/46°F Hoodsport, State Fisheries			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.72	25.68	0.724
3	9.54	29.16	0.546
5	9.32	29.28	0.535
8	9.16	29.46	0.497
10	9.01	29.61	0.465
15	8.85	29.71	0.427
19 ¹ / ₂	8.75	29.83	0.449

STA 737 47° 50.0' N WEATHER 01 22 May 53 122° 39.9' W WIND S 3 0525 (+8) DEPTH 38 47°/45°F South Point			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.66	28.40	0.653
5	10.67	28.44	0.642
10	10.36	28.91	0.566
20	9.38	30.07	0.492
30	9.29	30.16	0.461
39	9.16	30.27	0.470
59	9.11	30.40	0.468

STA 738 47° 56.7' N WEATHER 29.96
 22 May 53 122° 38.3' W WIND SxSE 13
 0639 (+8) DEPTH 65 50°/47°F
 Tala Pt.

Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	10.45	28.78	0.632
5	10.37	28.96	0.625
10	9.90	29.49	0.572
20	9.64	29.79	0.540
30	9.33	30.13	0.497
49	9.26	30.24	0.486
74	9.16	30.38	0.468
98	9.08	30.59	0.470



Oceanographic Station Locations
 Onchorhynchus Cruise PSS-10
 17-25 June 1953

STA A-147 47° 44.5' N WEATHER 9. 17 June 53 122° 25.2' W WIND S 7 1058 (+8) DEPTH 158 fm 51° F Pt. Jefferson			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	12.57	26.34	0.598
5	11.35	28.32	0.539
10	10.79	29.02	0.537
20	10.37	29.28	0.515
30	9.98	29.48	0.500
50	9.72	29.63	0.483
100	9.76	29.92	0.456
150	9.70	29.97	0.439
200	9.58	29.97	0.438
240	9.63	30.00	0.440
270	9.70	30.06	0.434

STA A-148 47° 52.3' N WEATHER 20 17 June 53 122° 21.1' W Wind NNE 5 1245 (+8) DEPTH 127 fm 52° F Possession Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	12.65	22.26	N. G.
5	10.65	-----	0.526
9	10.32	29.23	0.512
19	9.98	29.50	0.498
28	9.88	29.54	0.492
47	9.70	29.65	0.469
66	9.47	29.73	0.461
88	9.06	29.73	0.410
124	9.16	29.85	0.411
159	9.32	29.93	0.413
195	8.97	29.92	0.400

STA A-149 47° 58.2' N WEATHER 0. 17 June 53 122° 17.1' W WIND NW 8 1419 (+8) DEPTH 75 fm 53° F Port Gardener			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	12.06	13.87	0.642
5	12.57	24.04	0.593
10	10.62	27.96	0.498
20	10.10	29.34	0.491
30	9.85	29.46	0.483
50	9.47	29.55	0.438
80	9.00	29.62	0.308
110	8.99	29.75	0.342

STA A-150 48° 04.0' N WEATHER 01 17 June 53 122° 19.3' W WIND 14 1529 (+8) DEPTH 66 fm 57° F Camano Head, East of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	12.81	21.64	0.609
5	11.06	26.67	0.540
10	10.08	28.98	0.467
20	9.66	29.35	0.429
30	9.60	29.44	0.418
50	9.20	29.55	0.415
75	8.84	29.65	0.323
100	8.25	29.91	0.278

STA A-151 48° 08.5' N WEATHER o. 17 June 53 122° 23.2' W WIND W 12 1633 (+8) DEPTH ----- 55°F			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	13.49	18.03	0.557
5	10.78	27.71	0.485
10	10.02	28.83	0.451
20	9.12	29.28	0.402
30	9.00	29.36	0.400
50	8.86	29.45	0.381
85	8.39	29.68	0.312

STA A-152 48° 01.9' N WEATHER o. 17 June 53 122° 20.9' W WIND WNW18 1736 (+8) DEPTH 98 fm 53°F			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.74	23.85	0.645
5	11.49	24.65	0.601
10	10.04	28.96	0.467
19	9.78	29.42	0.460
29	9.66	29.55	0.446
42	9.71	29.57	0.463
62	9.42	29.59	0.416
83	9.06	29.60	0.428
104	8.61	29.67	0.368
125	8.60	29.71	0.361

STA A-153 48° 06.3' N WEATHER o. 18 June 53 122° 29.3' W WIND ExS 4 0844 (+8) DEPTH 82 fm 53°F East Pt.			
Depth (m)	Temp (C)	Sal (/oo)	O ₂ (mg-at/L)
0	12.04	22.75	0.644
5	10.29	26.99	0.474
10	9.87	28.44	0.444
20	9.43	29.31	0.411
30	9.34	29.45	0.413
50	8.98	29.55	0.390
75	8.86	29.60	0.371
100	8.74	29.61	0.349
130	8.66	29.61	0.348

STA A-154 48° 14.1' N WEATHER 01 18 June 53 122° 32.6' W WIND SxE 4 1004 (+8) DEPTH 49 fm 59°F Demock Pt.			
Depth (m)	Temp (C)	Sal (/oo)	O ₂ (mg-at/L)
0	10.54	24.54	0.584
5	9.71	27.89	0.394
10	8.90	28.94	0.299
20	9.06	29.31	0.380
30	9.03	29.41	0.378
50	8.89	29.50	0.390
75	8.72	29.53	0.340

STA A-155 48° 17.3' N WEATHER 01 18 June 53 122° 29.2' W WIND ExS 3 1101 (+8) DEPTH 30 fm 58°F Strawberry Pt., North of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	10.75	19.54	0.567
2	9.76	25.93	0.451
5	9.17	28.45	0.377
10	9.13	28.66	0.395
20	9.00	29.23	0.372

STA A-156 48° 18.2' N WEATHER 01 18 June 53 122° 33.1' W WIND ESE 4 1139 (+8) DEPTH 8½ fm 55°F Goat Island			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	11.19	12.68	0.588
2	9.82	26.96	0.444
5	9.24	28.38	0.374
10	9.12	28.70	0.375

STA A-157 48° 25.0' N WEATHER 01 18 June 53 122° 36.0' W WIND SEsS 1 1215 (+8) DEPTH 19 fm 56°F Dewey			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	10.65	21.26	0.511
5	9.96	26.50	0.450
10	9.88	27.67	0.449
20	9.80	28.37	0.447
30	9.84	29.24	0.457

STA A-158 48° 25.5' N WEATHER 01 18 June 53 122° 45.3' W WIND S 11 1359 (+8) DEPTH 44½ fm 55°F Lawson Reef, North of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	11.05	27.84	0.526
5	9.86	29.86	0.462
10	9.85	30.00	0.456
20	9.69	30.22	0.443
30	9.65	30.26	0.441
50	9.47	30.62	0.421
75	8.94	31.37	0.377

STA A-159 ----- WEATHER c. 18 June 53 ----- WIND SW 9 1624 (+8) DEPTH 95 fm 52°F New Dungeness, Northeast of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.23	30.64	0.476
5	10.08	30.65	0.477
10	9.93	30.67	0.464
20	9.54	30.78	0.446
29	9.45	30.89	0.430
49	9.00	31.39	0.378
74	8.62	31.90	0.346
98	8.34	32.51	0.324
127	7.92	32.58	0.300
157	7.42	33.07	0.257

STA A-160 48° 12.1' N WEATHER c. 18 June 53 122° 53.3' W WIND SW 7 1748 (+8) DEPTH 49 fm 51°F Protection Island			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.91	30.51	0.450
5	9.62	30.67	0.429
10	9.56	30.76	0.429
20	9.46	30.79	0.419
30	9.32	30.99	0.405
50	8.71	31.66	0.347
80	8.17	32.35	0.301

STA A-161 48° 10.5' N WEATHER c. 18 June 53 122° 47.1' W WIND SSW 10 1829 (+8) DEPTH ----- 50°F Middle Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.34	30.09	0.478
10	10.12	30.40	0.448
20	10.10	30.40	0.446
30	9.98	30.55	0.449
50	8.88	31.50	0.369

STA A-162 48° 08.2' N WEATHER c. 19 June 53 122° 41.4' W WIND SE x S 1½ 0909 (+8) DEPTH 62 fm 51°F Port Townsend			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.94	30.06	0.445
5	9.71	30.43	0.433
10	9.60	30.63	0.423
20	9.42	30.88	0.406
30	9.37	30.99	0.382
50	9.40	30.97	0.403
75	9.34	31.11	0.395
100	9.18	-----	0.370

STA A-163 48° 05.4' N WEATHER 62 19 June 53 122° 37.7' W WIND SExs 1 1000 (+8) DEPTH 107 fm 52°F Marrowstone Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.74	28.49	0.512
5	10.36	29.24	0.474
10	10.22	29.57	0.463
20	10.14	29.69	0.453
30	9.97	30.02	0.441
50	9.80	30.33	0.431
75	9.77	30.42	0.430
98	9.70	30.49	0.426
138	9.56	30.72	0.425
175	9.54	30.80	0.417

STA A-164 47° 57.3' N WEATHER b.c. 19 June 53 122° 34.4' W WIND WxN 2 1130 (+8) DEPTH 63 fm 57°F Double Bluff			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.50	27.01	0.571
5	10.67	28.36	0.504
10	10.44	29.09	0.489
20	10.48	29.32	0.481
30	10.42	29.75	0.478
50	9.97	30.10	0.436
75	9.77	30.40	0.427
100	9.50	30.80	0.421

STA A-165 47° 54.4' N WEATHER b.c. 19 June 53 122° 29.5' W WIND E 3 1250 (+8) DEPTH 116 fm 56°F Point No Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.81	25.14	0.667
5	10.95	27.35	0.550
10	10.35	28.96	0.467
20	10.18	29.64	0.446
30	9.88	29.76	0.443
50	9.83	29.92	0.428
75	9.90	30.02	0.425
100	9.86	30.09	0.425
150	9.85	30.15	0.426
190	9.69	30.17	0.421

STA A-166 47° 39.3' N WEATHER b.c. 22 June 53 122° 28.3' W WIND calm 1105 (+8) DEPTH 126 fm 64°F West Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.42	28.27	0.600
5	11.36	28.83	0.541
10	10.82	29.13	0.505
20	10.23	29.40	0.481
30	10.00	29.51	0.466
50	9.72	29.70	0.450
75	9.64	29.88	0.430
100	9.67	29.96	0.423
140	9.80	30.06	0.423
180	9.80	30.08	0.426
220	9.82	30.21	0.422

STA A-167 47° 33.4' N WEATHER b.c. 22 June 53 122° 25.9' W WIND calm 1232 (+8) DEPTH 133 fm 60°F Alki Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.47	28.52	0.574
5	11.68	28.80	0.548
10	10.78	29.20	0.505
20	10.27	29.40	0.482
30	9.96	29.52	0.471
50	9.72	29.68	0.449
75	9.62	29.83	0.436
100	9.61	30.00	0.426
140	9.72	30.04	0.428
180	9.72	30.08	0.420
220	9.78	30.11	0.418

STA A-168 47° 26.4' N WEATHER 01 22 June 53 122° 23.4' W WIND calm 1356 (+8) DEPTH 135 fm 60°F Pully Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	13.48	27.58	0.615
5	11.86	28.68	0.565
10	10.74	29.21	0.506
20	10.03	29.51	0.468
30	9.92	29.56	0.470
50	9.70	29.67	0.461
75	9.55	29.88	0.433
100	9.37	29.89	0.428
140	9.28	29.91	0.429
180	9.24	29.96	0.424
220	9.27	29.98	0.438

STA A-169 47° 18.5' N WEATHER b.c. 22 June 53 122° 27.5' W WIND calm 1533 (+8) DEPTH 95 fm 64°F Brown Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.34	27.02	0.615
5	10.82	28.84	0.517
10	10.24	29.31	0.488
20	9.98	29.43	0.471
30	9.81	29.51	0.470
50	9.71	29.57	0.483
75	9.46	29.84	0.436
100	9.32	29.91	0.446
130	9.33	29.97	0.430
160	9.16	29.94	0.432

STA A-170 47° 14.6' N WEATHER --- 22 June 53 122° 33.6' W WIND --- 1654 (+8) DEPTH 32 fm 57°F Day Island			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.46	29.43	0.483
5	10.38	29.43	0.483
10	10.35	29.43	0.476
20	10.32	29.44	0.548
50	10.09	29.54	0.466

STA A-171 47° 17.0' N WEATHER b.c. 23 June 53 122° 42.4' W WIND SW 4 0721 (+8) DEPTH 51 fm 63°F Green Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	13.38	29.04	0.676
5	11.87	29.18	0.583
10	11.04	29.22	0.526
20	10.80	29.23	0.502
30	10.56	29.25	0.488
40	10.51	29.27	0.486
60	10.46	29.32	0.475
85	10.26	29.31	0.450

STA A-172 47° 10.2' N WEATHER b.c. 23 June 53 122° 47.1' W WIND WxN 3 0853 (+8) DEPTH 50 fm 57°F Devils Head			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.18	28.95	0.546
5	11.72	29.00	0.536
10	11.56	29.04	0.525
20	11.10	29.11	0.508
30	10.68	29.20	0.481
50	10.65	29.24	0.474
75	10.54	29.26	0.467

STA A-173 47° 07.1' N WEATHER b.c. 23 June 53 122° 42.3' W WIND WxN 5 0935 (+8) DEPTH 36 fm 59°F Nisqually Reach			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.16	25.89	0.564
5	11.74	29.05	0.536
10	11.40	29.11	0.519
20	10.98	29.19	0.493
40	10.66	29.21	0.489
60	10.64	29.52	0.486

STA A-174 47° 10.6' N WEATHER b.c. 23 June 53 122° 37.6' W WIND SxE 3 1033 (+8) DEPTH 90 fm 59°F Gordon Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.72	28.21	0.533
5	11.24	29.10	0.523
10	11.16	29.11	0.516
20	11.10	29.07	0.509
30	10.86	29.25	0.498
50	10.66	29.25	0.488
75	10.40	29.33	0.472
100	10.22	29.33	0.468
130	10.22	29.36	0.468
160	10.20	29.38	0.459

STA A-175 47° 21.1' N WEATHER c. 23 June 53 122° 32.3' W WIND SxW 10 1244 (+8) DEPTH 55 fm 63°F Spring Beach			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.50	29.38	0.484
5	10.44	29.38	0.485
10	10.40	29.38	0.483
20	10.38	29.41	0.481
30	10.36	29.38	0.482
50	10.34	29.39	0.481
75	10.20	29.51	0.466
100	9.83	29.63	0.458

STA A-176 47° 30.3' N WEATHER 62 23 June 53 122° 29.0' W WIND S 8½ 1408 (+8) DEPTH 56 fm 57°F Pt. Vashon			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.90	29.22	0.514
5	10.64	29.31	0.496
10	10.38	29.40	0.484
20	10.26	29.42	0.472
30	10.08	29.47	0.468
50	9.86	29.50	0.461
75	9.75	29.67	0.450
100	9.66	29.69	0.447

STA A-177 47° 56.3' N WEATHER o. 24 June 53 122° 38.2' W WIND calm 0807 (+8) DEPTH 66 fm 54°F Tala Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.73	28.02	0.784
5	11.44	29.16	0.566
10	10.98	29.51	0.524
20	10.12	30.03	0.450
30	10.02	30.20	0.432
50	9.80	30.42	0.413
75	9.72	30.50	0.410
100	9.66	30.58	0.405

STA A-178 47° 49.5' N WEATHER o. 24 June 53 122° 39.4' W WIND calm 0922 (+8) DEPTH 37 fm 56°F South Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.68	28.03	0.752
5	11.62	28.74	0.632
10	10.71	29.60	0.509
20	10.39	29.84	0.476
30	10.08	30.02	0.441
40	9.95	30.15	0.424
60	9.76	30.24	0.407

STA A-179 47° 45.4' N WEATHER c. 24 June 53 122° 41.5' W WIND calm 1041 (+8) DEPTH 72 fm 56°F Hazel Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	13.27	27.45	0.775
5	12.48	28.05	0.709
10	10.24	29.54	0.468
20	9.88	29.70	0.412
30	9.64	29.83	0.404
50	9.00	30.09	0.347
80	8.88	30.12	0.343
110	8.88	30.14	0.334

STA A-180 ----- WEATHER c. 24 June 53 ----- WIND SxE 2 1305 (+8) DEPTH 30 fm 59°F Dabob Bay, Head of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	15.46	26.27	0.609
5	12.89	28.39	0.779
10	10.52	29.38	0.578
20	9.76	29.59	0.321
30	9.20	29.75	0.318
40	8.85	29.96	0.322

STA A-181 47° 46.5' N WEATHER c. 24 June 53 122° 48.3' W WIND SxE 2 1347 (+8) DEPTH 86 fm 59°F Bolton Peninsula, East of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	14.96	26.49	0.645
5	12.33	28.21	0.752
10	10.57	29.35	0.644
20	9.53	29.77	0.378
30	9.06	29.87	0.366
50	8.82	30.02	0.348
75	8.61	30.06	0.344
100	8.35	30.28	0.345
130	8.64	30.64	0.276

STA A-182 47° 44.4' N WEATHER c. 24 June 53 122° 49.3' W WIND SWxS 1½ 1424 (+8) DEPTH 103 fm 58°F Tabook Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	15.52	25.34	0.593
5	12.90	27.66	0.797
10	10.46	29.40	0.620
20	9.62	29.72	0.396
30	9.13	29.89	0.372
50	9.06	30.06	0.355
75	8.70	30.12	0.354
100	8.35	30.20	0.342
140	8.68	30.69	0.266
180	8.84	30.90	0.173

STA A-183 47° 40.1' N WEATHER c. 24 June 53 122° 52.1' W WIND calm 1520 (+8) DEPTH 76 fm 57°F Pleasant Harbor			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	15.51	25.51	0.594
5	11.72	28.58	0.666
10	10.46	29.43	0.525
20	9.85	29.72	0.422
30	9.56	29.87	0.395
50	8.97	30.02	0.351
75	8.84	30.12	0.343
100	8.60	30.21	0.329
125	8.48	30.26	0.322

STA A-184 47° 23.9' N WEATHER o. 25 June 53 122° 55.9' W WIND calm 0725 (+8) DEPTH 11 fm 55°F Lynch Cove			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	15.64	24.22	0.556
5	14.20	25.77	0.691
10	11.40	28.62	0.484
15	9.59	29.41	0.200

STA A-185 47° 21.2' N WEATHER o. 25 June 53 123° 02.6' W WIND calm 0820 (+8) DEPTH 22 fm 55°F Tahuya River			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	14.48	24.69	0.588
5	14.00	26.08	0.622
10	9.98	29.31	0.320
20	9.20	29.63	0.206
30	8.90	29.74	0.185

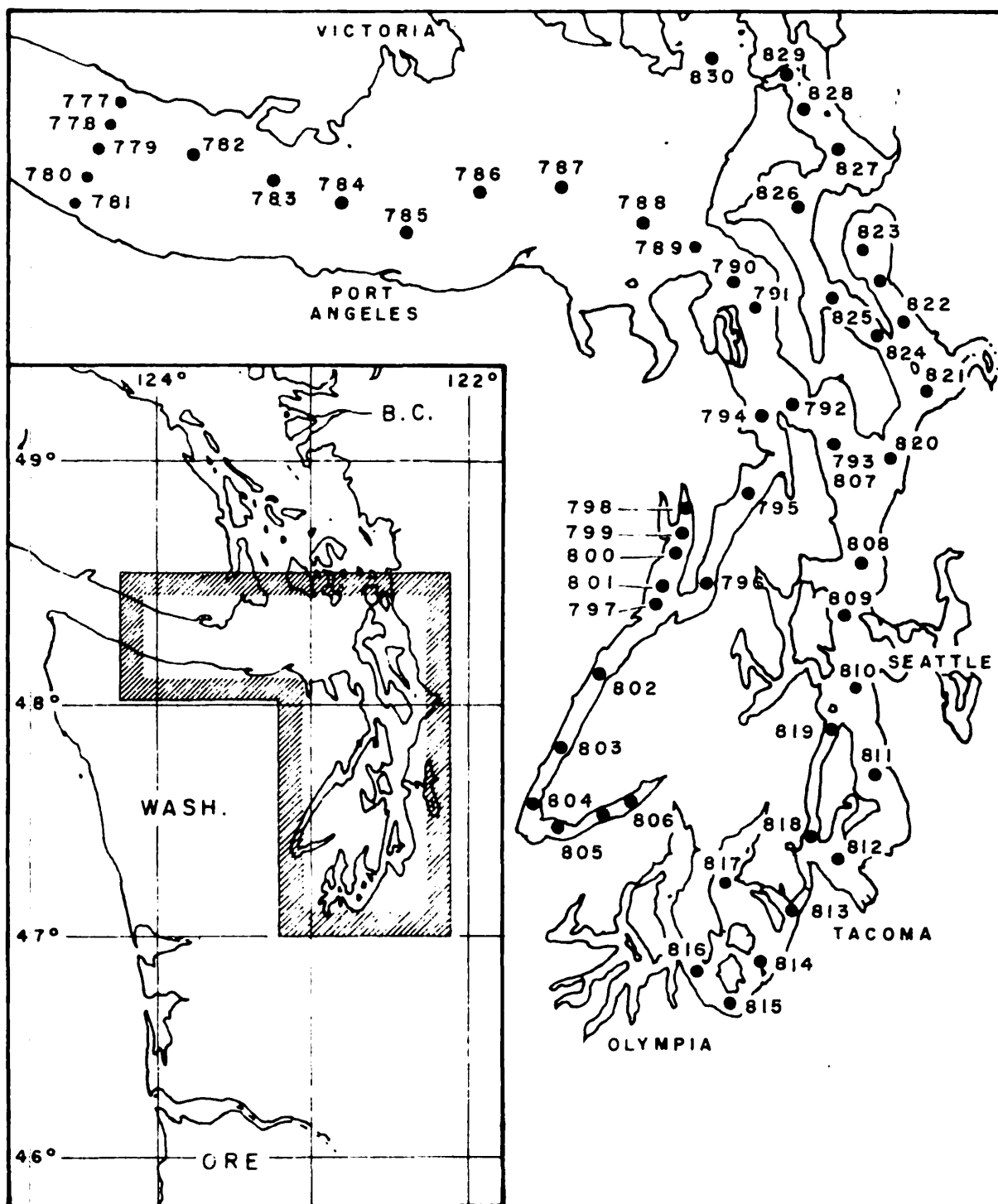
STA A-186 47° 23.2' N WEATHER 01 25 June 53 123° 07.4' W WIND SExS 2½ 0907 (+8) DEPTH 60 fm 59°F Musqueti Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	14.06	25.63	0.638
5	13.46	26.76	0.668
10	10.59	28.99	0.469
20	9.30	29.71	0.300
30	8.98	29.79	0.249
40	8.80	29.85	0.241
50	8.68	29.95	0.284
75	8.58	30.08	0.223
100	----	30.27	0.223

STA A-187 47° 28.4' N WEATHER 01 25 June 53 122° 23.5' W WIND calm 1009 (+8) DEPTH 83 fm 61° F Eagle Creek			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	14.12	25.87	0.6144
5	14.13	26.27	0.650
10	10.83	28.92	0.504
20	9.29	29.70	0.332
30	8.95	29.80	0.324
50	8.64	29.95	0.321
75	8.47	30.08	0.295
100	8.58	30.27	0.278
125	8.70	30.46	0.244
150	8.74	30.53	0.232

STA A-188 47° 35.4' N WEATHER 0. 25 June 53 122° 58.3' W WIND calm 1132 (+8) DEPTH 96 fm 63° F Tekiu Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	14.80	23.40	0.619
5	13.72	27.07	0.690
10	10.67	29.07	0.560
20	9.56	29.71	0.384
30	9.30	29.79	0.366
50	8.82	29.97	0.348
75	8.54	30.06	0.334
100	8.48	30.24	0.314
130	8.66	30.45	0.276
170	8.72	30.55	0.260

STA BB-775 48° 17.8' N WEATHER 01 15 June 53 123° 01.2' W WIND SW 10 1013 (+8) DEPTH 104 fm 56°/55° F Pillar Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.28	31.67	0.442
5	8.98	31.74	0.432
10	9.00	31.78	0.438
20	8.88	31.82	0.420
30	8.69	31.89	0.386
50	8.36	32.16	0.354
75	7.82	32.76	0.294
100	7.36	33.28	0.246
150	6.83	33.72	0.197
175	6.74	33.78	0.189

STA BB-776 48° 13.2' N WEATHER 02 15 June 53 123° 29.4' W WIND WxS 8 1349 (+8) DEPTH 82 fm 55°/53° F Race Rocks			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.30	30.87	0.481
5	9.82	30.98	0.465
10	9.08	31.44	0.412
20	8.90	31.62	0.397
30	8.85	31.69	0.395
50	8.62	31.84	0.372
75	8.46	32.04	0.362
100	8.40	32.13	0.352
130	7.44	33.07	0.332



Oceanographic Station Locations
Brown Bear Cruise 30
18-22 July 1953

STA 777 48° 22.8' N WEATHER c.
18 July 53 124° 00.1' W WIND WNW 10
2047 (+8) DEPTH 55 fm 54°/53°F
Glacier Pt.

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.64	31.73	0.329
5	10.61	31.75	0.446
10	9.79	31.74	0.395
20	9.42	31.81	0.371
30	9.15	31.89	0.353
50	8.89	32.02	0.323
75	8.46	32.36	0.291
95	7.28	33.21	0.211

STA 778 48° 20.1' N WEATHER c.
18 July 53 124° 00.2' W WIND W 13
2205 (+8) DEPTH 84.8 fm 53°/52°F
Glacier Pt. II

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.74	31.73	0.414
5	9.76	31.73	0.416
10	9.40	31.76	0.381
20	9.40	31.80	0.383
30	9.04	32.01	0.344
50	8.75	32.13	0.318
75	7.48	33.05	0.229
100	6.78	33.57	0.182
125	6.40	33.84	0.159
150	6.36	33.87	0.157

STA 779 48° 18.1' N WEATHER c.
18 July 53 124° 03.4' W WIND WSW 10
2232 (+8) DEPTH 105 fm 52°/51°F
Pillar Pt.

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.79	31.72	0.434
5	9.78	31.75	0.427
10	9.75	31.74	0.417
20	9.69	31.76	0.414
30	8.78	32.09	0.324
50	8.15	32.60	0.282
75	7.41	33.19	0.219
100	6.64	33.80	0.175
140	6.38	33.88	0.161
180	6.36	33.87	0.161

STA 780 48° 16.5' N WEATHER c.
19 July 53 124° 06.4' W WIND W 07
0008 (+8) DEPTH 105 fm 53°/52°F
Pillar Pt. II

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.20	31.39	0.453
5	10.20	31.41	0.471
10	9.80	31.56	0.375
20	9.63	31.76	0.099
30	8.86	32.10	0.296
50	8.30	32.65	0.278
75	7.21	33.49	0.107
99	6.86	33.72	0.182
138	6.44	33.87	0.---
177	6.41	33.87	0.158

STA 781 48° 13.9' N WEATHER c. 19 July 53 124° 06.3' W WIND SW 6 0141 (+8) DEPTH 74 fm 55°/53°F Pillar Pt. I			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.14	31.76	0.192
5	10.20	31.76	0.418
10	10.19	31.78	0.402
20	10.24	31.81	0.234
30	8.53	32.72	0.229
50	7.42	33.33	0.220
75	6.98	33.62	0.180
100	6.77	33.73	0.158

STA 782 48° 17.4' N WEATHER c. 19 July 53 123° 53.5' W WIND NW 9½ 0336 (+8) DEPTH 94 fm 52°/52°F Otter Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.52	31.11	0.437
5	10.51	31.12	0.234
10	10.42	31.14	0.335
20	9.98	31.43	0.245
30	9.07	31.83	0.202
50	8.50	32.38	0.183
75	7.72	32.95	0.125
100	6.63	33.69	0.113
130	6.44	33.84	0.092
160	6.41	33.86	0.148

STA 783 48° 15.9' N WEATHER 10 19 July 53 123° 41.2' W WIND N _W 12 0533 (+8) DEPTH 107 fm 53°/52°F Beechy Head			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.21	31.19	0.429
5	10.23	31.19	0.428
10	10.07	31.18	0.440
20	10.10	31.23	0.436
30	9.42	31.64	0.360
50	8.97	31.91	0.325
75	8.17	32.63	0.277
100	7.00	33.48	0.200
140	6.45	33.84	0.155
180	6.45	33.84	0.161

STA 784 48° 14.6' N WEATHER c. 19 July 53 123° 34.5' W WIND N _W 16 0654 (+8) DEPTH 95 fm 55°/53°F Race Rocks			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.11	31.22	0.427
5	10.10	31.21	0.454
10	10.15	31.20	0.445
20	10.06	31.21	0.428
30	9.86	31.33	0.404
50	8.91	31.95	0.325
75	7.65	33.10	0.242
100	6.96	33.60	0.192
130	6.66	33.74	0.179
160	6.62	33.80	0.170

STA 785 48° 12.1' N WEATHER b.c. 19 July 53 123° 23.1' W WIND WxS 12 0828 (+8) DEPTH 74 fm 58°/55°F Ediz Hook			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.36	31.02	0.464
5	10.35	31.01	0.459
10	10.33	31.01	0.447
20	9.95	31.17	0.389
30	9.86	31.21	0.380
50	9.04	31.88	0.321
75	7.81	32.90	0.188
100	7.16	33.46	0.199
125	6.90	33.64	0.183

STA 786 48° 15.3' N WEATHER b.c. 19 July 53 123° 13.1' W WIND WxS 17 0951 (+8) DEPTH 76 fm 56°/53°F New Dungeness, Northwest of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.51	30.56	0.462
5	10.49	30.59	0.464
10	10.43	30.63	0.454
20	10.32	30.78	0.443
30	10.06	30.89	0.401
50	9.58	31.27	0.359
75	9.08	31.69	0.321
100	8.37	32.29	0.284
130	7.30	33.30	0.209

STA 787 48° 15.8' N WEATHER b.c. 19 July 53 123° 03.4' W WIND WxS 12 1114 (+8) DEPTH 97 fm 59°/55°F New Dungeness, Northeast of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.92	30.56	0.476
5	10.92	30.58	0.473
10	10.80	30.56	0.451
20	10.53	30.72	0.425
30	9.80	31.13	0.367
50	9.48	31.35	0.344
75	8.62	32.07	0.264
100	8.32	32.38	0.214
130	7.90	32.72	0.237
160	7.58	32.99	0.226

STA 788 48° 12.4' N WEATHER b.c. 19 July 53 122° 52.8' W WIND W 15 1238 (+8) DEPTH 50 fm 56°/54°F Protection Island			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.70	30.22	0.451
5	10.99	30.35	0.454
10	10.56	30.65	0.431
20	10.15	30.94	0.394
30	9.80	31.20	0.365
50	9.06	31.86	0.317
70	8.67	32.21	0.285
85	8.18	32.53	0.257

STA 789 48° 10.4' N WEATHER b.c. 19 July 53 122° 46.9' W WIND ----- 1350 (+8) DEPTH 24 fm 56°/54°F Middle Pt.			
Depth (m)	Temp (C)	Sal (/oo)	O ₂ (mg-at/L)
0	11.08	30.28	0.449
5	10.36	30.52	0.430
10	10.40	30.76	0.424
20	10.43	30.97	0.424
30	10.23	31.13	0.414
50	9.34	31.70	0.341

STA 790 48° 08.0' N WEATHER c. 19 July 53 122° 41.9' W WIND W 13 1500 (+8) DEPTH 52 fm 56°/54°F Port Townsend			
Depth (m)	Temp (C)	Sal (/oo)	O ₂ (mg-at/L)
0	11.60	29.78	0.458
5	11.46	29.85	0.458
10	11.30	30.01	0.451
20	10.76	30.40	0.414
30	10.72	30.40	0.416
49	10.18	30.85	0.405
74	9.76	31.34	0.366
98	9.48	31.53	0.341

STA 791 48° 05.5' N WEATHER c. 19 July 53 122° 38.3' W WIND WNW 16 1618 (+8) DEPTH 109 fm 59°/55°F Marrowstone Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	13.02	27.42	0.560
5	12.16	28.40	0.497
10	(11.60)	29.42	0.470
20	10.96	30.08	0.433
30	10.75	30.29	0.417
50	10.57	30.54	0.412
75	10.32	30.72	0.390
100	10.11	31.06	0.390
139	10.06	31.12	0.377

STA 792 47° 56.5' N WEATHER o. 19 July 53 122° 34.5' W WIND NW 15 1800 (+8) DEPTH 63 fm 58°/55°F Double Bluff			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	13.16	26.72	0.550
5	12.22	27.91	0.502
10	11.65	29.17	0.453
20	11.29	29.82	0.434
30	10.95	30.13	0.414
50	10.68	30.31	0.397
75	10.52	30.54	0.393
100	10.15	30.91	0.381

STA 793 47° 53.8' N WEATHER o. 19 July 53 122° 28.7' W WIND NxW 9 1903 (+8) DEPTH 110 fm 59°/57°F Point No Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	13.72	25.44	0.578
5	12.62	27.26	0.534
10	11.60	29.45	0.470
19	11.08	29.73	0.419
29	10.84	29.86	0.412
49	10.78	29.92	0.394
73	10.78	30.04	0.393
97	10.76	30.15	0.434
149	10.66	30.34	0.388
187	10.51	30.51	0.392

STA 794 47° 56.1' N WEATHER o. 19 July 53 122° 38.1' W WIND NxW 9 2050 (+8) DEPTH 66 fm 56°/55°F Tala Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.22	29.05	0.535
5	12.16	29.30	0.526
10	11.67	29.73	0.454
20	11.04	30.09	0.415
30	10.83	30.31	0.404
50	10.52	30.51	0.385
75	10.35	30.74	0.380
100	10.31	30.78	0.376

STA 795 47° 49.8' N WEATHER c. 19 July 53 122° 40.4' W WIND ---- 2213 (+8) DEPTH 37 fm 56°/54°F South Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	14.47	28.68	0.592
5	13.36	29.33	0.578
10	12.19	29.69	0.466
20	11.34	30.00	0.414
30	10.61	30.29	0.368
40	10.46	30.51	0.363
60	10.34	30.67	0.357

STA 796 47° 42.1' N WEATHER c. 19 July 53 122° 45.7' W WIND ESE 4 2340 (+8) DEPTH 70 fm 58°/55°F Hazel Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	15.83	27.58	0.578
5	12.80	28.97	0.494
10	11.51	29.45	0.334
20	10.50	29.89	0.338
30	10.12	30.00	0.335
50	10.06	30.09	0.329
80	10.06	30.22	0.326
109	9.40	30.18	0.299

STA 797 47° 40.1' N WEATHER 20 July 53 122° 52.6' W WIND ----- 0051 (+8) DEPTH 75 fm 58°/55°F Pleasant Harbor			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	16.72	25.50	0.530
5	13.45	28.61	0.561
10	11.67	29.25	0.465
20	9.98	29.79	0.323
30	9.66	29.89	0.314
50	9.41	30.00	0.307
75	9.20	30.06	0.284
100	8.74	30.15	0.268
125	8.62	30.31	0.253

STA 798 47° 50.0' N WEATHER c. 20 July 53 122° 48.7' W WIND SSE 4 0237 (+8) DEPTH 29 fm 57°/54°F Dabob Bay, Head of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	15.66	27.99	0.578
5	13.58	28.50	0.524
10	10.59	29.51	0.330
20	9.49	29.77	0.260
30	9.17	29.89	0.269
40	9.10	29.95	0.277

STA 799 47° 46.8' N WEATHER b.c. 20 July 53 122° 48.6' W WIND Sx E 8 0325 (+8) DEPTH 83 fm 58°/53°F Bolton, Peninsula, East of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	15.80	27.77	0.582
5	13.29	28.63	0.530
10	11.58	29.21	0.410
20	10.08	29.66	0.308
30	9.50	29.79	0.296
40	9.31	29.91	0.300
50	9.24	29.97	0.297
75	8.99	30.03	0.279
100	8.58	30.14	0.257
130	8.50	30.39	0.257

STA 800 47° 44.9' N WEATHER b.c. 20 July 53 122° 49.7' W WIND Sx W 10 0411 (+8) DEPTH 103 fm 58°/55°F Tabook Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	16.22	27.36	0.580
5	13.60	28.62	0.561
10	(11.26)	29.37	0.467
20	10.08	29.70	0.282
30	9.40	29.88	0.301
50	9.14	29.97	0.292
75	8.96	29.99	0.281
100	8.56	30.14	0.283
140	8.68	30.64	0.222
180	8.85	30.83	0.133

STA 801 47° 41.8' N WEATHER c. 20 July 53 122° 51.9' W WIND SxW 8 0515 (+8) DEPTH 68 fm 59°/58°F Tskutsko Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	(16.11)	22.32	0.542
5	13.40	28.70	0.542
10	(10.97)	29.47	0.384
20	9.80	29.77	0.305
30	9.64	29.91	0.308
50	9.30	30.01	0.295
75	9.10	30.10	0.280
100	8.53	30.15	0.277
130	8.64	30.53	0.235

STA 802 47° 35.6' N WEATHER c. 20 July 53 122° 58.0' W WIND S 4 0637 (+8) DEPTH 94 fm 60°/56°F Tekiu Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	16.84	25.73	0.508
5	13.46	28.24	0.624
10	11.10	29.32	0.417
20	9.72	29.76	0.307
30	9.32	29.82	0.301
50	9.08	29.95	0.300
75	8.82	30.04	0.276
100	8.60	30.16	0.256
130	8.64	30.37	0.237
160	8.64	30.46	0.227

STA 803 47° 28.4' N WEATHER b.c. 20 July 53 123° 04.1' W WIND SW 4 0816 (+8) DEPTH 86 fm 58°/55°F Eagle Creek			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	17.48	25.32	0.503
5	16.87	26.52	0.540
10	11.86	28.99	0.505
20	9.67	29.68	0.295
30	9.21	29.77	0.261
50	8.90	29.91	0.290
75	8.68	30.00	0.260
100	8.59	30.13	0.216
125	8.67	30.40	0.192
150	8.69	30.44	0.203

STA 804 47° 23.2' N WEATHER b.c. 20 July 53 123° 08.0' W WIND ESE 5½ 1005 (+8) DEPTH 58 fm 64°/59°F Musqueti Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	18.11	25.21	0.506
5	17.86	25.25	0.530
10	10.80	29.21	0.382
20	9.41	29.66	0.198
30	9.13	29.76	0.186
40	8.89	29.85	0.237
50	8.80	29.89	0.221
97	8.62	30.11	0.164

STA 805 47° 21.5' N WEATHER b.c. 20 July 53 123° 03.8' W WIND ----- 1125 (+8) DEPTH 22 fm 71°/61°F Tahuja River			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	19.58	23.26	0.504
5	17.36	26.08	0.572
10	10.24	29.41	0.264
20	9.34	29.66	0.169
30	9.17	29.76	0.152

STA 806 47° 23.9' N WEATHER b.c. 20 July 53 122° 55.9' W WIND NExN 5 1228 (+8) DEPTH 12 fm 72°/63°F Lynch Cove, Head of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	19.42	25.16	0.502
5	16.06	26.61	0.594
10	12.20	28.42	0.536
17	9.54	29.54	0.086

STA 807 47° 53.8' N WEATHER b.c. 20 July 53 122° 29.0' W WIND N 10 2050 (+8) DEPTH 110 fm 60°/56°F Point No Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	15.29	26.52	0.722
10	11.66	29.27	0.461
20	11.06	29.71	0.415
50	10.89	29.94	0.395
100	10.69	30.15	0.394
150	10.66	30.27	0.384

STA 808 47° 44.3' N WEATHER b.c. 20 July 53 122° 25.4' W WIND N 10 2219 (+8) DEPTH 150 fm 59°/57°F Pt. Jefferson			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	13.84	26.66	0.637
5	12.78	28.72	0.640
10	12.08	29.14	0.527
20	11.46	29.52	0.465
30	11.20	29.63	0.439
50	10.64	29.86	0.393
100	10.50	30.15	0.387
150	10.66	30.28	0.390
200	10.57	30.42	0.388
240	10.50	30.55	0.382
270	10.48	30.56	0.376

STA 809 47° 39.1' N WEATHER b.c. 20 July 53 122° 28.1' W WIND NNW 10 2330 (+8) DEPTH 124 fm 57°/55°F West Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	15.26	26.75	0.500
5	14.24	26.95	0.525
10	12.38	29.01	0.590
20	11.10	29.60	0.435
30	11.02	29.67	0.420
50	10.62	29.86	0.397
75	10.35	30.01	0.382
100	10.36	30.06	0.374
140	10.46	30.16	0.374
180	10.51	30.30	0.374
220	10.48	30.45	0.371

STA 810 47° 34.0' N WEATHER b.c. 21 July 53 122° 26.4' W WIND NNW 8 0038 (+8) DEPTH 133 fm 57°/55°F Alki Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	14.80	26.74	0.733
5	12.94	28.61	0.500
10	12.38	28.92	0.531
20	11.60	29.33	0.471
30	11.17	29.59	0.438
50	10.80	29.70	0.394
75	10.23	30.04	0.366
100	10.30	30.15	0.369
139	10.36	30.13	0.369
179	10.34	30.20	0.368
218	10.39	30.29	0.369

STA 811 47° 26.5' N WEATHER b.c. 21 July 53 122° 23.3' W WIND NNW 12 0205 (+8) DEPTH 130 fm 57°/56°F Pully Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	13.73	28.45	0.702
5	13.89	28.53	0.722
10	12.57	29.11	0.629
20	12.16	29.16	0.576
30	11.66	29.52	0.496
50	10.97	29.61	0.437
75	10.62	29.75	0.397
100	10.20	30.00	0.375
140	10.12	30.10	0.345
180	10.04	30.11	0.357
220	10.01	30.12	0.362

STA 812 47° 19.3' N WEATHER b. 21 July 53 122° 28.0' W WIND ENE 4 0342 (+8) DEPTH 94 fm 57°/55°F Brown Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	15.38	27.45	0.732
5	13.86	28.70	0.755
10	12.32	29.34	0.582
20	12.21	29.38	0.569
30	11.22	29.48	0.436
50	10.80	29.66	0.414
75	10.32	29.91	0.379
100	10.16	30.06	0.374
130	10.12	30.07	0.386
160	10.02	30.09	0.379

STA 813 47° 14.5' N WEATHER b. 21 July 53 122° 34.2' W WIND calm 0527 (+8) DEPTH 35 fm 54°/53°F Day Island			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.44	29.34	0.473
5	12.38	29.34	0.476
10	12.44	29.33	0.473
20	12.32	29.33	0.465
50	11.45	29.48	0.422

STA 814 47° 11.0' N WEATHER b. 21 July 53 122° 37.6' W WIND --- 0627 (+8) DEPTH 91 fm 54°/53°F Gordon Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	14.16	26.47	0.617
5	13.11	29.17	0.508
10	12.81	29.24	0.500
20	12.58	29.29	0.481
30	12.25	29.36	0.468
49	11.60	29.43	0.443
73	11.52	29.46	0.437
97	11.40	29.49	0.420
127	11.30	29.50	0.410
156	11.26	29.49	0.405

STA 815 47° 07.2' N WEATHER 10 21 July 53 122° 42.7' W WIND --- 0743 (+8) DEPTH 34 fm 57°/55°F Nisqually Reach			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	14.68	24.13	0.616
5	12.90	29.23	0.488
10	12.70	29.25	0.487
19	11.96	29.33	0.439
29	11.91	29.35	0.443
57	11.86	29.35	0.428

STA 816 47° 09.8' N WEATHER b. 21 July 53 122° 47.5' W WIND --- 0831 (+8) DEPTH 47 fm 61°/56°F Devil's Head			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	14.30	29.11	0.565
5	13.95	29.13	0.555
10	13.32	29.18	0.504
20	13.16	29.22	0.481
30	12.93	29.24	0.477
50	11.88	29.37	0.419
75	11.81	29.39	0.403

STA 817 47° 17.0' N WEATHER b. 21 July 53 122° 42.5' W WIND SE x E 1 1120 (+8) DEPTH 50 fm 69°/62°F Green Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	15.46	29.25	0.502
5	13.52	29.27	0.506
10	12.88	29.34	0.438
20	12.06	29.35	0.441
30	11.80	29.37	0.437
40	11.72	29.38	0.433
60	11.53	29.39	0.348
85	11.35	29.41	dumped

STA 818 47° 21.1' N WEATHER b. 21 July 53 122° 32.4' W WIND N 10 1348 (+8) DEPTH 55 fm 70°/61°F Spring Beach			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	14.05	28.23	0.683
5	13.40	28.78	0.687
10	12.82	29.01	0.626
20	11.75	29.45	0.454
30	11.62	29.51	0.449
50	11.20	29.61	0.431
75	10.90	29.71	0.419
95	10.64	29.86	0.396

STA 820 47° 53.6' N WEATHER b. 21 July 53 122° 21.4' W WIND N x E 9 1830 (+8) DEPTH 123 fm 67°/63°F Possession Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	16.34	21.27	0.700
4	13.00	27.76	0.670
9	11.82	29.29	0.521
18	11.36	29.59	0.436
27	11.06	29.65	0.418
45	10.02	29.70	0.341
67	10.00	29.95	0.345
90	10.32	30.06	0.364
126	10.31	30.18	0.368
173	10.49	30.33	0.375
206	10.49	30.45	0.371

STA 821 47° 58.4' N WEATHER b. 21 July 53 122° 16.9' W WIND N x W 6 1958 (+8) DEPTH 72 fm 61°/57°F Pt. Gardner			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	15.05	22.77	0.629
5	11.99	28.65	0.475
10	11.46	29.43	0.457
20	11.28	29.63	0.445
30	11.12	29.63	0.432
50	10.21	29.58	0.322
80	9.30	29.76	0.278
110	9.43	29.91	0.297
132	10.04	sample dumped	sample dumped

STA 822 48° 04.1' N WEATHER b.c. 21 July 53 122° 19.8' W WIND NWxN 13 2128 (+8) DEPTH 64 fm 59°/56°F Camano Head, East of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	14.64	25.01	0.588
5	11.82	28.55	0.454
10	10.61	29.34	0.377
20	10.34	29.48	0.354
30	10.20	29.53	0.348
50	9.50	29.57	0.281
85	9.20	29.81	0.252
118	8.40	29.97	0.160

STA 823 48° 09.2' N WEATHER b.c. 21 July 53 122° 24.4' W WIND NWxW 12 2252 (+8) DEPTH 54 fm 59°/56°F Port Susan, Head of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	14.68	26.52	0.593
5	11.50	28.95	0.426
10	10.29	29.19	0.374
20	9.92	29.33	0.354
30	9.77	29.40	0.364
50	9.03	29.48	0.320
85	8.50	29.70	0.270

STA 824 48° 04.0' N WEATHER c. 22 July 53 122° 25.6' W WIND NW 13 0015 (+8) DEPTH 49 fm 57°/56°F Camano Head, West of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	14.25	22.88	0.600
5	12.61	26.58	0.498
10	10.92	29.12	0.394
19	10.56	29.43	0.374
29	10.44	29.55	0.369
48	9.84	29.60	0.342
74	9.40	29.73	0.319
98	9.44	29.87	0.317
127	9.48	29.96	0.326
156	9.57	30.02	0.342

STA 825 48° 06.4' N WEATHER b.c. 22 July 53 122° 29.0' W WIND WxS 15 0159 (+8) DEPTH 80 fm 56°/55°F East Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	14.40	19.92	0.566
5	11.67	29.23	0.391
10	11.18	29.15	0.386
20	10.42	29.42	0.373
30	9.86	29.46	0.305
49	9.38	29.61	0.312
73	9.22	29.77	0.321
95	9.28	29.86	0.---
122	9.29	29.87	0.322

STA 826 48° 14.0' N WEATHER b.c. 22 July 53 122° 32.8' W WIND WxS 17 0351 (+8) DEPTH 48 fm 54°/52°F Demock Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.60	22.65	0.530
5	10.83	26.82	0.392
10	10.34	28.74	0.362
20	9.66	29.29	0.317
30	9.42	29.38	0.292
50	9.10	29.52	0.247
75	9.05	29.61	0.267

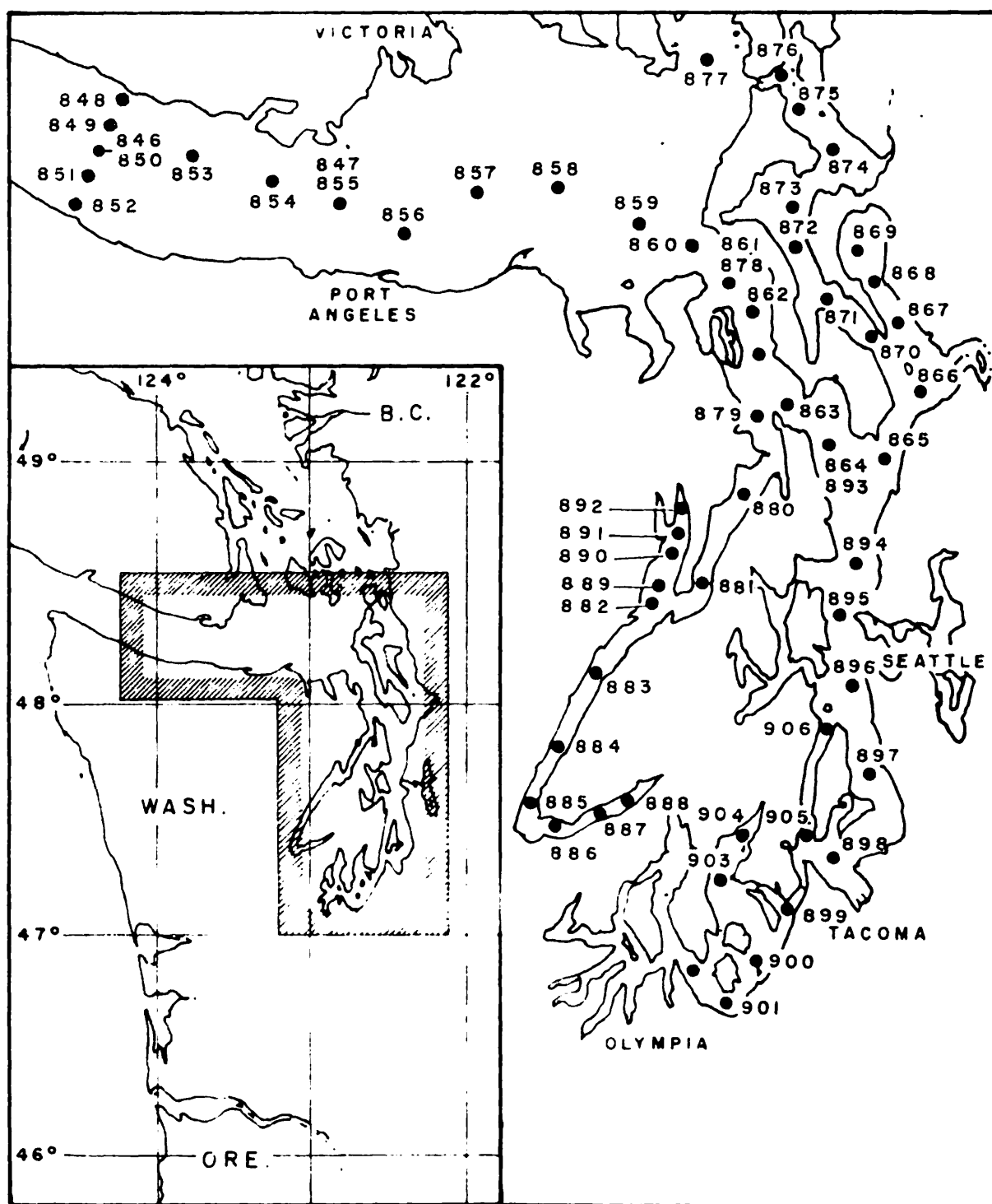
STA 827 47° 18.5' N WEATHER b.c. 22 July 53 122° 29.5' W WIND S 18 0503 (+8) DEPTH 15 fm 56°/53°F Strawberry Pt., North of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	14.78	6.47	0.580
5	14.64	14.65	0.518
10	13.38	21.11	0.504
20	9.56	29.23	0.296

STA 828 47° 21.5' N WEATHER b.c. 22 July 53 122° 33.2' W WIND SW 16 0550 (+8) DEPTH 6 fm 56°/53°F Goat Island			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.66	13.91	0.502
2	12.53	17.52	0.495
5	11.30	26.06	0.417
10	10.30	28.14	0.338

STA 829 47° 25.1' N WEATHER c. 22 July 53 122° 35.9' W WIND SWxW 20 0635 (+8) DEPTH 19 fm 56°/54°F Dewey			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.90	24.63	0.470
5	11.89	24.65	0.474
10	11.16	27.14	0.414
20	10.54	27.93	0.366
30	10.58	28.51	0.368

STA 830 48° 26.8' N WEATHER b.c. 22 July 53 122° 44.2' W WIND S 10 1331 (+8) DEPTH 44 fm 61°/54°F Lawson Reef			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.64	30.00	0.409
5	10.62	29.99	0.409
10	10.60	30.00	0.408
19	10.59	30.02	0.405
29	10.58	30.03	0.405
47	10.50	30.09	0.402
68	9.03	31.82	0.308

STA 819 47° 30.6' N WEATHER b. 21 July 53 122° 28.9' W WIND NWxN15 1516 (+8) DEPTH 50 fm 67°/61°F Pt. Vashon			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	15.04	27.54	0.542
5	13.42	28.12	0.714
10	12.74	28.87	0.602
20	11.70	29.39	0.471
30	11.42	29.50	0.437
50	11.02	29.65	0.416
75	10.80	29.72	0.418
100	10.74	29.73	0.409



Oceanographic Station Locations
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STA 846 48° 18.7' N WEATHER b. 14 Aug 53 124° 30.4' W WIND --- 0417 (+8) DEPTH 105 fm ----- Pillar Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	9.88	31.67	0.378
5	9.82	31.85	0.370
9	9.64	32.08	0.350
18	8.86	32.33	0.315
28	8.51	32.50	0.288
46	8.27	32.64	0.273
67	7.24	33.28	0.212
88	6.78	33.66	0.200
120	6.38	33.87	0.177
154	6.41	33.88	0.170

STA 847 48° 14.7' N WEATHER 10 14 Aug 53 123° 33.5' W WIND --- ----- DEPTH 104 fm ----- Race Rocks			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	10.08	31.18	0.383
5	9.46	31.66	0.339
10	9.36	31.76	0.336
20	9.19	31.85	0.324
29	9.01	31.94	0.311
48	8.73	32.17	0.301
72	7.72	33.10	0.257
96	7.06	33.55	0.234
124	6.64	33.69	0.185
165	6.44	33.86	0.182

STA 848 48° 22.6' N WEATHER 45 19 Aug 53 124° 00.2' W WIND WNW 8 0618 (+8) DEPTH 57 fm 58°/55°F Glacier Pt. I			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.46	30.26	0.439
5	11.47	30.26	0.443
10	11.41	30.26	0.437
20	10.90	30.50	0.392
30	10.58	30.78	0.377
50	9.40	31.66	0.318
75	7.60	33.09	0.221
95	7.12	33.40	0.201

STA 849 48° 20.6' N WEATHER 45 19 Aug 53 124° 01.6' W WIND WNW 8 0709 (+8) DEPTH 88 fm 57°/55°F Glacier Pt. II			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.58	30.04	0.447
5	11.56	30.04	0.443
10	11.55	30.03	0.443
20	11.44	30.07	0.426
30	10.62	30.62	0.368
50	9.34	31.78	0.307
75	7.80	32.94	0.226
100	7.82	33.65	0.187
125	6.38	33.96	0.169
150	6.40	33.95	0.160

STA 850 48° 18.2' N WEATHER 45 19 Aug 53 124° 03.4' W WIND WNW 8 0801 (+8) DEPTH 103 fm 57°/55°F Pillar Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.80	29.97	0.453
5	11.74	29.98	0.454
10	11.62	30.01	0.438
20	10.54	30.79	0.362
29	9.50	31.59	0.312
49	8.63	32.36	0.274
73	7.59	33.09	0.212
97	7.14	33.60	0.224
136	6.47	33.91	0.161
175	6.32	33.95	0.153

STA 851 48° 15.7' N WEATHER c. 19 Aug 53 124° 04.6' W WIND NWxW 6 0911 (+8) DEPTH 95 fm 55°F Pillar Pt. II			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.02	29.96	0.466
5	11.56	30.13	0.439
10	11.54	30.17	0.433
20	10.18	31.24	0.362
30	9.15	32.02	0.297
50	8.27	32.65	0.259
75	7.47	33.48	0.248
100	6.94	33.76	0.204
129	6.81	33.84	0.197
163	6.40	33.95	0.154

STA 852 48° 13.6' N WEATHER 46 19 Aug 53 124° 05.5' W WIND NWxW 6 1001 (+8) DEPTH 66 fm 55°/54°F Pillar Pt. I			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	12.29	29.93	0.540
5	11.73	30.46	0.457
10	11.70	30.71	0.459
20	9.21	32.05	0.322
30	8.18	33.03	0.266
49	7.81	33.35	0.253
74	7.35	33.56	0.241
98	6.99	33.73	0.207

STA 853 48° 17.5' N WEATHER 42 19 Aug 53 123° 51.9' W WIND WxN 9 1145 (+8) DEPTH 95 fm 56°/55°F Otter Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	12.11	29.92	0.474
5	10.98	30.51	0.395
10	10.50	30.72	0.364
20	10.13	31.00	0.348
29	9.95	31.19	0.332
48	8.77	32.22	0.280
73	7.54	33.12	0.209
97	7.00	33.52	0.195
126	6.32	33.95	0.159
155	6.33	33.95	0.152

STA 854 48° 16.1' N WEATHER 10 19 Aug 53 123° 44.6' W WIND NWxW 5 1313 (+8) DEPTH 98 fm 60°/58°F Beechy Head			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	12.13	29.91	0.489
5	11.94	29.92	0.483
10	11.69	30.03	0.445
20	10.71	30.65	0.376
30	9.38	31.61	0.305
50	8.76	32.28	0.280
75	7.42	33.18	0.205
100	7.06	33.62	0.220
135	6.38	33.91	0.159
170	6.39	33.89	0.148

STA 855 48° 14.4' N WEATHER b.c. 19 Aug 53 123° 32.7' W WIND WxN 9 1454 (+8) DEPTH 95 fm 60°/58°F Race Rock			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	12.20	29.71	0.489
5	12.20	29.71	0.474
10	11.83	29.77	0.470
20	11.17	30.12	0.417
30	9.90	31.16	0.326
50	7.73	33.07	0.240
75	6.86	33.63	0.183
100	6.82	33.79	0.192
130	6.79	33.80	0.191
160	6.79	33.82	0.196

STA 856 48° 12.1' N WEATHER b.c. 19 Aug 53 123° 04.5' W WIND WNW 10 1605 (+8) DEPTH 72 fm 63°/59°F Ediz Hook			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	12.10	30.04	0.468
5	10.92	30.43	0.399
10	10.58	30.82	0.364
20	10.37	31.07	0.366
30	9.20	31.95	0.309
50	8.29	32.75	0.278
75	7.13	33.59	0.221
100	7.04	33.66	0.214
125	7.02	33.67	0.212

STA 857 48° 14.6' N WEATHER 10 19 Aug 53 123° 13.6' W WIND SW 7 1727 (+8) DEPTH 85 fm 60°/58°F New Dungeness, Northwest of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	12.68	29.66	0.513
5	11.92	29.80	0.471
10	10.96	30.35	0.382
20	10.34	31.13	0.357
30	9.69	31.45	0.318
50	8.63	32.29	0.270
75	7.48	33.06	0.227
100	7.31	33.30	0.215
130	7.29	33.36	0.212

STA 858 48° 15.5' N WEATHER 10 19 Aug 53 123° 03.9' W WIND SW 5 1850 (+8) DEPTH 92 fm 58°/56°F New Dungeness, Northeast of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	12.17	29.76	0.463
5	11.75	29.84	0.438
10	11.21	30.09	0.392
20	10.42	30.90	0.347
29	9.76	31.27	0.310
48	8.67	32.25	0.274
73	7.89	32.88	0.242
97	7.71	33.09	0.240
126	7.25	33.39	0.206
155	7.13	33.45	0.201

STA 859 48° 12.4' N WEATHER 10 19 Aug 53 122° 53.5' W WIND SW 2 2012 (+8) DEPTH 53 fm 55°/54°F Protection Island			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	11.66	29.63	0.431
5	11.09	30.04	0.379
10	10.80	30.18	0.360
20	10.66	30.85	0.361
30	10.19	31.26	0.278
50	8.39	32.57	0.256
70	7.90	32.92	0.238
85	7.59	33.13	0.227

STA 860 48° 10.6' N WEATHER b.c. 19 Aug 53 122° 46.8' W WIND W 10 2110 (+8) DEPTH 30 fm 55°/54°F Middle Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.51	30.60	0.431
5	10.91	30.83	0.367
10	10.36	31.21	0.356
20	9.97	31.49	0.337
30	9.20	32.00	0.297
50	8.56	32.47	0.265

STA 861 48° 08.3' N WEATHER b.c. 19 Aug 53 122° 40.5' W WIND W 2 2156 (+8) DEPTH 60 fm 56°/55°F Port Townsend			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	Not read	30.08	0.484
10	" "	30.78	0.388
20	" "	31.11	0.370
40	" "	31.31	0.340
65	" "	32.01	0.289
90	" "	32.21	0.278

STA 862 48° 05.7' N WEATHER b.c. 19 Aug 53 122° 38.7' W WIND NxE 5 2301 (+8) DEPTH 105 fm 56°/55°F Marrowstone Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.46	29.95	0.481
5	12.26	30.10	0.450
10	11.74	30.41	0.423
20	11.40	30.60	0.404
30	10.96	30.84	0.377
50	10.55	31.15	0.356
75	10.00	31.45	0.333
99	9.54	31.79	0.306
134	9.10	32.06	0.286
172	9.02	32.15	0.281

STA 863 47° 57.5' N WEATHER b.c. 20 Aug 53 122° 35.2' W WIND SxW 7 0057 (+8) DEPTH 60 fm 56°/56°F Double Bluff			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	13.94	29.28	0.577
5	13.53	29.54	0.530
10	12.94	29.73	0.486
20	12.54	29.84	0.448
30	12.11	30.02	0.430
50	11.23	30.54	0.379
74	10.16	31.36	0.333
98	9.78	31.63	0.317

STA 864 47° 54.2' N WEATHER b.c. 20 Aug 53 122° 28.9' W WIND SxE 8 0325 (+8) DEPTH 110 fm 61°/59°F Point No Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	15.59	27.46	0.576
5	14.86	28.12	0.586
10	12.62	29.58	0.471
20	11.88	29.86	0.409
30	11.47	29.95	0.377
49	11.20	30.09	0.357
74	11.24	30.35	0.369
98	11.19	30.56	0.374
141	11.06	30.67	0.368
179	10.68	30.96	0.354

STA 865 47° 53.4' N WEATHER c. 20 Aug 53 122° 21.9' W WIND SxE 8 0522 (+8) DEPTH 122 fm 63°/60°F Possession Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	15.26	27.42	0.599
5	11.56	29.44	0.357
10	11.29	29.58	0.343
20	11.04	29.71	0.304
30	10.55	29.84	0.270
50	10.18	29.89	0.253
75	11.01	30.25	0.360
100	11.09	30.31	0.362
134	11.12	30.47	0.372
172	10.98	30.65	0.361
210	10.87	30.78	0.358

STA 866 47° 58.74' N WEATHER c. 20 Aug 53 122° 17.25' W WIND SxE 8 0640 (+8) DEPTH 71 fm 63°/61°F Port Gardener			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	16.52	25.76	0.597
5	14.80	27.51	0.593
10	11.80	29.49	0.371
20	10.98	29.66	0.317
30	10.63	29.66	0.286
50	10.25	29.77	0.244
80	10.11	30.00	0.290
110	10.80	30.26	0.336
128	11.04	30.42	0.333

STA 867 48° 04.2' N WEATHER c. 20 Aug 53 122° 19.8' W WIND SxE 16 0740 (+8) DEPTH 64 fm 63°/60°F Camano Head, East of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	16.74	26.08	0.548
5	16.81	26.08	0.548
10	12.13	29.29	0.410
20	11.06	29.57	0.333
30	10.42	29.55	0.319
49	9.55	29.62	0.242
69	9.53	29.79	0.197
76	10.08	29.97	0.255
85	10.20	30.05	0.282
95	10.17	30.10	0.297
100	10.34	30.15	0.301
105	8.89	29.91	0.217
110	8.56	29.88	0.168
117	8.52	29.95	0.122

STA 868 48° 06.5' N WEATHER 63 20 Aug 53 122° 22.2' W WIND WxS 12 0835 (+8) DEPTH 65 fm 60°/58°F Mid Port Susan			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	16.40	26.35	0.537
10	12.07	29.13	0.413
30	10.31	29.44	0.319
50	9.54	29.52	0.250
70	9.16	29.66	0.231
80	9.21	29.77	0.230
90	8.93	29.78	0.235
100	8.67	29.79	0.234
105	8.65	29.79	0.229
110	8.45	29.84	0.210
115	8.49	29.89	0.166
119	8.49	29.96	0.133

STA 869 48° 09.1' N WEATHER 64 20 Aug 53 122° 24.2' W WIND SExS 4 0932 (+8) DEPTH 55 fm 58°/57°F Port Susan, Head of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	18.11	24.49	0.506
5	14.34	27.62	0.536
10	12.22	29.16	0.398
20	10.60	29.43	0.334
30	9.96	29.43	0.313
50	9.33	29.54	0.247
70	8.91	29.64	0.249
80	8.88	29.67	0.247
90	9.18	29.78	0.222
95	8.96	29.73	0.222
100	8.82	29.73	0.233
105	8.72	29.73	0.229

STA 870 48° 02.9' N WEATHER 61 20 Aug 53 122° 22.6' W WIND NWxN 2 1119 (+8) DEPTH 102 fm 58°/57°F Camano Head, West of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	15.94	26.00	0.614
5	11.86	28.89	0.409
10	11.32	29.33	0.355
20	11.04	29.53	0.323
30	11.76	29.61	0.309
50	10.29	29.69	0.280
75	10.20	30.00	0.300
100	10.56	30.18	0.322
125	10.80	30.30	0.344
150	11.00	30.36	0.352
166	11.07	30.42	0.356

STA 871 48° 06.5' N WEATHER 61 20 Aug 53 122° 29.6' W WIND N 3 1226 (+8) DEPTH 75 fm 58°/57°F East Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	16.14	25.30	0.640
5	12.97	27.83	0.527
10	10.66	29.35	0.322
20	10.39	29.51	0.299
30	10.36	29.71	0.297
50	10.04	29.75	0.280
75	10.10	29.97	0.293
100	10.07	30.00	0.298
130	10.20	30.04	0.307

STA 872 48° 11.2' N WEATHER 63 20 Aug 53 122° 23.9' W WIND NE 5 1320 (+8) DEPTH 17 fm 57°/56°F Onamack Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	16.41	24.09	0.667
5	11.82	27.93	0.509
10	10.70	29.03	0.317
20	10.52	29.43	0.302
30	10.26	29.48	0.278
50	9.68	29.64	0.242
75	9.71	30.51	0.254

STA 873 48° 14.1' N WEATHER 61 20 Aug 53 122° 33.4' W WIND NE 4 1401 (+8) DEPTH 35 fm 58°/56°F Demock Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	16.54	22.79	0.617
10	10.55	29.02	0.264
20	10.19	29.41	0.263
50	9.64	29.52	0.201
75	9.67	29.72	0.237

STA 874 48° 18.4' N WEATHER 61 20 Aug 53 122° 29.5' W WIND E 4 1456 (+8) DEPTH 14 fm 58°/56°F Strawberry Pt., North of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	14.90	22.74	0.555
5	10.76	29.02	0.308
10	10.13	29.39	0.256
20	10.03	29.40	0.251

STA 875 48° 21.4' N WEATHER 0. 20 Aug 53 122° 33.3' W WIND SE 5 1534 (+8) DEPTH 8 fm 57°/56°F Goat Island			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.63	25.82	0.456
2	12.13	26.74	0.427
5	10.44	28.65	0.316
10	10.03	29.43	0.255

STA 876 48° 24.91' N WEATHER c. 20 Aug 53 122° 35.96' W WIND SE x S 6 1614 (+8) DEPTH 20 fm 59°/57°F Dewey			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	12.98	26.00	0.552
5	12.35	26.75	0.465
10	12.24	26.83	0.465
20	11.42	28.41	0.385
30	10.84	29.70	0.365

STA 877 47° 26.6' N WEATHER c. 20 Aug 53 122° 44.5' W WIND ESE 1 1925 (+8) DEPTH 44 fm 56°/55°F Lawson Reef			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	11.43	29.84	0.429
5	11.24	30.00	0.405
10	11.09	30.07	0.394
20	10.90	30.19	0.386
30	10.09	30.88	0.325
50	9.57	31.32	0.303
75	8.99	31.90	0.272

STA 878 48° 08.2' N WEATHER c. 20 Aug 53 122° 41.3' W WIND --- 2210 (+8) DEPTH 65 fm 54°/53°F Port Townsend			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	11.42	30.52	0.407
10	10.86	30.81	0.376
20	10.53	31.12	0.356
30	10.42	31.20	0.333
49	10.02	31.44	0.333
71	9.82	31.58	0.320
95	9.12	32.06	0.290

STA 879 47° 56.1' N WEATHER c. 21 Aug 53 122° 38.0' W WIND --- 0004 (+8) DEPTH 64 fm 58°/57°F Tala Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	13.52	29.64	0.510
5	13.02	29.73	0.478
10	12.17	30.08	0.425
20	11.65	30.31	0.386
30	11.31	30.56	0.372
50	10.80	30.93	0.364
75	10.51	31.11	0.346
100	10.12	31.33	0.330

STA 880 47° 50.0' N WEATHER b.c. 21 Aug 53 122° 40.0' W WIND NE 3 0124 (+8) DEPTH 35 fm 57°/57°F South Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	14.37	29.06	0.499
5	14.42	29.36	0.468
10	12.03	29.93	0.385
20	11.33	30.31	0.357
30	11.18	30.44	0.350
40	11.18	30.52	0.356
60	-----	30.89	0.341

STA 881 47° 42.1' N WEATHER b.c. 21 Aug 53 122° 45.7' W WIND NE 3 0302 (+8) DEPTH 75 fm 59°/58°F Hazel Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	14.50	28.67	0.504
5	13.98	28.88	0.490
10	12.52	29.33	0.419
20	10.34	29.87	0.320
30	10.40	30.17	0.312
50	10.64	30.33	0.323
80	10.93	30.51	0.333
110	10.86	30.69	0.338

STA 882 47° 40.3' N WEATHER b.c. 21 Aug 53 122° 52.4' W WIND --- 0412 (+8) DEPTH 73 fm 59°/58°F Off Pleasant Harbor			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	17.22	27.53	0.544
5	16.43	27.96	0.548
10	11.28	29.58	0.392
20	9.91	29.82	0.305
30	9.88	29.94	0.298
50	10.02	30.12	0.287
75	10.52	30.33	0.313
100	10.44	30.50	0.310
125	9.78	30.40	0.278

STA 883 47° 35.8' N WEATHER b.c. 21 Aug 53 122° 58.0' W WIND SSW 4 0520 (+8) DEPTH 93 fm 57°/56°F Tekiu Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	16.92	26.82	0.559
5	15.97	27.76	0.574
10	11.15	29.54	0.410
20	9.72	29.75	0.296
30	9.69	29.87	0.296
50	9.66	30.06	0.274
75	9.41	30.07	0.267
100	8.85	30.12	0.258
130	8.67	30.32	0.233
160	8.66	30.38	0.221

STA 884 47° 28.6' N WEATHER 10 21 Aug 53 123° 03.9' W WIND SSW 4 0637 (+8) DEPTH 85 fm 55°/54°F Eagle Creek			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	16.02	27.37	0.571
5	15.40	27.94	0.589
10	10.62	29.57	0.343
20	9.33	29.76	0.222
30	9.28	29.84	0.269
50	9.09	29.91	0.263
75	8.90	29.97	0.246
100	8.61	30.08	0.202
125	8.66	30.29	0.195
150	8.68	30.36	0.180
STA 886 47° 21.5' N WEATHER b.c. 21 Aug 53 123° 03.8' W WIND NWxW 1 0850 (+8) DEPTH 17 fm 59°/57°F Tahuya River			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	14.63	27.75	0.589
5	12.90	28.54	0.512
10	11.04	29.31	0.336
15	9.62	29.60	0.203
20	9.57	29.65	0.138
25	9.53	29.69	0.138
30	9.40	29.73	0.135
35	9.70	29.96	0.132

STA 885 47° 23.4' N WEATHER c. 21 Aug 53 123° 07.8' W WIND --- 0753 (+8) DEPTH 59 fm 53°/52°F Musqueti Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	15.77	26.61	0.588
5	13.67	28.10	0.619
10	10.79	29.47	0.316
20	9.46	29.70	0.170
30	9.14	29.81	0.177
50	8.89	29.91	0.137
60	8.83	29.93	0.151
70	8.75	29.96	0.162
80	8.75	30.00	0.163
90	8.71	30.00	0.148
100	8.69	30.07	0.153
108	8.69	30.20	0.157
STA 887 47° 22.4' N WEATHER b.c. 21 Aug 53 122° 59.6' W WIND --- 0929 (+8) DEPTH 20 fm 62°/58°F Lynch Cove, Mid			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	19.07	24.94	0.529
5	12.46	28.81	0.477
10	9.98	29.55	0.150
15	9.48	29.66	0.097
20	9.28	29.75	0.123
25	9.24	29.80	0.123
30	9.06	29.83	0.140
35	9.26	29.85	0.142

STA 888 47° 23.9' N WEATHER b.c. 21 Aug 53 122° 55.9' W WIND NE x E 1 1018 (+8) DEPTH 11 fm 66°/61°F Lynch Cove,			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	19.25	24.47	0.523
5	13.36	28.29	0.476
10	10.60	29.36	0.149
13	10.10	29.46	0.099
17	9.85	29.54	0.049
20	?	29.58	0.035

STA 889 47° 41.8' N WEATHER b.c. 21 Aug 53 122° 51.8' W WIND --- 1425 (+8) DEPTH 80 fm 66°/61°F Tskutsko Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	17.85	27.74	0.562
5	15.95	28.04	0.574
10	14.05	27.67	0.571
20	10.25	29.58	0.381
30	10.03	29.94	0.296
50	10.03	30.17	0.298
75	9.80	30.16	0.277
100	10.37	30.45	0.309
110	10.41	30.50	0.315
120	9.10	30.27	0.270
130	8.70	30.27	0.254
147	8.70	30.62	0.197

STA 890 47° 44.8' N WEATHER b.c. 21 Aug 53 122° 49.8' W WIND NE 4 1522 (+8) DEPTH 107 fm 68°/60°F Tabook Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	18.48	27.48	0.536
5	17.17	29.64	0.574
10	12.29	29.37	0.522
20	10.08	29.84	0.288
30	9.64	29.97	0.285
50	9.56	30.07	0.270
75	9.84	30.22	0.278
100	8.77	30.16	0.257
120	8.59	30.22	0.264
130	8.59	30.31	0.258
140	8.62	30.49	0.241
150	8.68	30.74	0.171
160	8.75	30.79	0.143
170	8.81	30.80	0.142
180	8.81	30.81	0.129
195	8.83	30.83	0.129

STA 891 47° 46.7' N WEATHER b.c. 21 Aug 53 122° 48.5' W WIND NE 4 1629 (+8) DEPTH 87 fm 68°/60°F Bolton Peninsula, East of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	19.08	27.54	0.522
5	16.91	27.93	0.584
10	12.00	29.44	0.518
20	10.18	29.79	0.299
30	9.81	29.94	0.294
50	9.57	30.08	0.265
75	9.38	30.10	0.252
100	9.92	30.28	0.280
110	9.78	30.31	0.286
120	8.65	30.19	0.262
130	8.59	30.26	0.253
140	8.61	30.47	0.235
150	8.67	30.60	0.207
160	8.76	30.76	0.161

STA 892 47° 49.9' N WEATHER b.c. 21 Aug 53 122° 48.6' W WIND NxE 1 1729 (+8) DEPTH 29 fm 71°/64°F Dabob Bay, Head of.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	19.97	27.42	0.529
5	17.29	28.03	0.573
10	10.89	29.61	0.339
20	9.81	29.78	0.266
30	9.60	29.88	0.268
40	9.42	29.95	0.264
53	9.33	30.03	0.240

STA 893 47° 53.9' N WEATHER b.c. 21 Aug 53 122° 28.7' W WIND N 1 2205 (+8) DEPTH 110 fm 59°/56°F Point No Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	14.02	28.95	0.530
10	12.04	29.82	0.429
20	11.64	29.96	0.384
50	11.22	30.16	0.351
100	11.30	30.43	0.369
150	11.12	30.54	0.366

STA 894 47° 44.6' N WEATHER b.c. 21 Aug 53 122° 25.6' W WIND WxS 2 2344 (+8) DEPTH 150 fm 58°/56°F Pt. Jefferson			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	14.48	29.36	0.676
5	13.24	29.70	0.538
10	12.39	29.80	0.456
20	11.76	29.88	0.400
30	11.64	29.94	0.392
50	11.31	30.11	0.370
75	11.18	30.29	0.360
99	11.20	30.40	0.361
149	11.06	30.49	0.364
198	10.90	30.69	0.351
237	10.76	30.87	0.347
266	10.69	30.90	0.344

STA 895 47° 39.8' N WEATHER b.c. 22 Aug 53 122° 28.2' W WIND S 9 0054 (+8) DEPTH 124 fm 60°/57°F West Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	13.78	29.46	0.670
5	13.28	29.66	0.579
10	12.54	29.77	0.477
20	12.24	29.79	0.449
30	12.04	29.81	0.425
50	11.31	30.08	0.367
75	11.12	30.23	0.358
99	11.08	30.27	0.354
138	11.06	30.42	0.356
177	11.01	30.56	0.354
216	10.84	30.81	0.345

STA 896 47° 34.5' N WEATHER b.c. 22 Aug 53 122° 26.8' W WIND S 12 0208 (+8) DEPTH 134 fm 59°/57°F Alki Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	14.00	29.47	0.705
5	13.29	29.49	0.689
10	12.52	29.70	0.472
20	12.34	29.76	0.454
29	11.90	29.88	0.397
48	11.30	30.11	0.363
72	11.15	30.27	0.352
97	11.13	30.31	0.356
135	11.04	30.42	0.358
174	11.04	30.58	0.357
210	10.93	30.69	0.352

STA 897 47° 26.5' N WEATHER b.c. 22 Aug 53 122° 23.6' S WIND Sx E 8 0343 (+8) DEPTH 130 fm 59°/56°F Pully Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	13.82	29.42	0.639
5	13.82	29.42	0.637
10	13.56	29.42	0.593
20	12.64	29.71	0.483
30	12.30	29.77	0.442
50	11.59	29.89	0.393
75	11.00	30.22	0.356
100	11.04	30.29	0.359
140	10.99	30.38	0.356
180	11.04	30.49	0.358
220	10.99	30.58	0.348

STA 898 47° 19.34' N WEATHER 10 22 Aug 53 122° 27.9' W WIND SxW 4 0518 (+8) DEPTH 94 fm 57°/55°F Brown Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	13.27	27.19	0.564
5	13.54	28.54	0.587
10	12.64	29.61	0.476
20	12.00	29.78	0.416
30	11.57	29.89	0.386
50	11.39	29.97	0.381
75	10.96	30.24	0.350
100	11.04	30.26	0.338
130	10.96	30.31	0.347
160	11.10	30.40	0.353

STA 899 47° 15.1' N WEATHER 10 22 Aug 53 122° 34.4' W WIND SxW 4 0708 (+8) DEPTH 35 fm 56°/54°F Day Island			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	13.10	29.58	0.509
5	13.08	29.57	0.508
10	12.88	29.61	0.494
20	12.72	29.64	0.469
30	12.74	29.64	0.469
55	12.80	29.63	0.471

STA 900 47° 24.6' N WEATHER b.c. 22 Aug 53 122° 24.6' W WIND SE x S 8 0813 (+8) DEPTH 89 fm 58°/56°F Gordon Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	13.42	29.16	0.547
5	13.30	29.52	0.545
10	13.24	29.53	0.541
20	13.14	29.53	0.518
30	13.08	29.58	0.500
50	12.96	29.59	0.485
75	12.52	29.67	0.450
100	12.54	29.68	0.453
130	12.15	29.76	0.429
160	12.10	29.84	0.421

STA 901 47° 07.2' N WEATHER b.c. 22 Aug 53 122° 42.4' W WIND SSE 3 0919 (+8) DEPTH 34 fm 63°/59°F Nisqually Reach			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	14.46	29.23	0.596
5	14.21	29.41	0.583
10	13.93	29.43	0.565
20	13.16	29.48	0.491
30	13.12	29.51	0.483
60	12.91	29.55	0.469

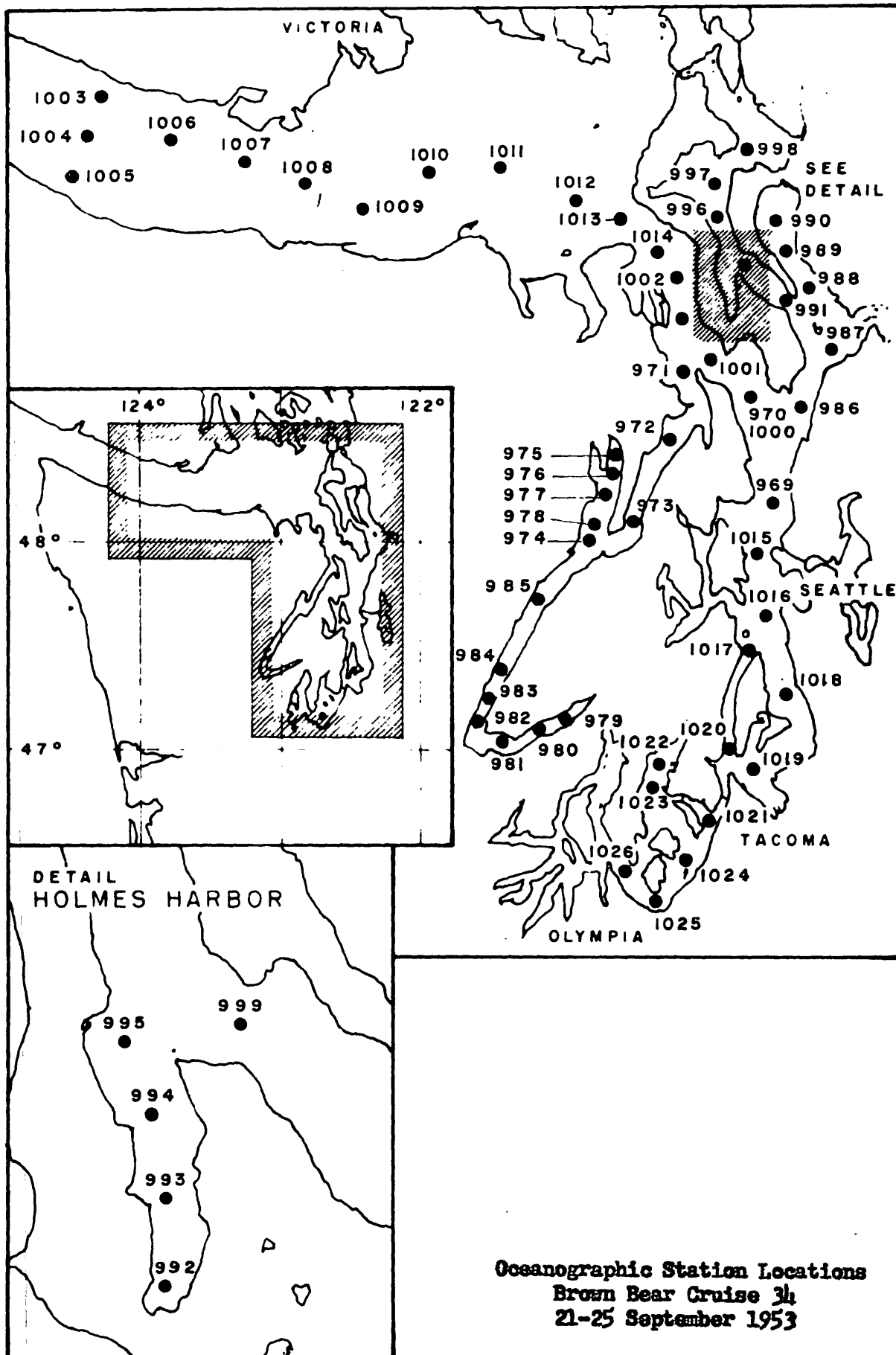
STA 902 47° 10.11' N WEATHER b.c. 22 Aug 53 122° 47.4' W WIND SSW 4 1009 (+8) DEPTH 48 fm 67°/60°F Devil's Head			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	14.45	29.37	0.592
5	14.62	29.37	0.628
10	14.41	29.37	0.586
20	13.73	29.43	0.518
30	12.94	29.52	0.462
50	12.87	29.52	0.451
75	12.86	29.53	0.450

STA 903 47° 16.9' N WEATHER c. 22 Aug 53 122° 42.4' W WIND SW x S 8 1228 (+8) DEPTH 53 fm 70°/62°F Green Pt. (Carr Inlet)			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	16.22	29.44	0.604
5	15.39	29.44	0.591
10	13.72	29.49	0.504
20	12.62	29.52	0.423
30	12.30	29.56	0.365
40	12.32	29.54	0.366
60	12.26	29.56	0.361
85	12.18	29.71	0.404
96	12.18	29.72	0.401

STA 904 47° 20.7' N WEATHER c. 22 Aug 53 122° 40.9' W WIND SWxW 9 1312 (+8) DEPTH 24 fm 74°/64°F Carr Inlet, Head of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	17.67	29.29	0.656
5	17.38	29.34	0.656
10	13.69	29.43	0.555
20	12.86	29.52	0.436
30	12.61	29.54	0.407
40	12.30	29.57	0.357

STA 905 47° 21.3' N WEATHER c. 22 Aug 53 122° 32.5' W WIND SWxS 8 1601 (+8) DEPTH 54 fm 72°/63°F Spring Beach			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.90	29.69	0.500
5	12.83	29.70	0.496
10	12.40	29.75	0.460
20	12.28	29.77	0.448
30	11.98	29.86	0.415
50	11.76	29.94	0.407
75	11.47	30.06	0.391
95	11.26	30.11	0.377

STA 906 47° 30.6' N WEATHER c. 22 Aug 53 122° 29.2' W WIND SWxS 7 1716 (+8) DEPTH 57 fm 69°/62°F Pt. Vashon			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.66	29.71	0.506
5	12.58	29.75	0.496
10	12.40	29.75	0.472
20	12.38	29.80	0.474
30	12.23	29.80	0.462
50	11.89	29.89	0.422
75	11.83	29.90	0.415
100	11.51	29.98	0.391



STA 969 47° 44.4' N WEATHER b.c. 21 Sept 53 122° 25.5' W WIND NxE 8.5 1138 (+8) DEPTH --- 62°F Pt. Jefferson			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.78	30.08	0.553
5	12.79	30.08	0.542
10	12.22	30.20	0.435
19	12.05	30.24	0.394
28	11.83	30.29	0.371
47	11.65	30.37	0.364
70	11.49	30.51	0.364
94	11.41	30.62	0.367
111	11.37	30.67	0.359
188	11.26	30.74	0.366
225	11.21	30.79	0.363
253	11.16	30.79	0.360

STA 970 47° 53.7' N WEATHER b.c. 21 Sept 53 122° 28.6' W WIND WxN 11 1317 (+8) DEPTH --- 59°/55°F Point No Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.87	29.89	0.470
5	12.74	29.95	0.461
10	12.55	29.93	0.465
20	12.48	29.97	0.420
30	12.24	30.10	0.413
50	11.96	30.31	0.398
75	11.74	30.42	0.396
100	11.73	30.46	0.394
150	11.78	30.46	0.394
190	11.71	30.48	0.398

STA 971 47° 56.0' N WEATHER b.c. 21 Sept 53 122° 38.1' W WIND NxE 9 1518 (+8) DEPTH --- 62°/58°F Tala Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.25	30.43	0.433
5	12.54	30.43	0.434
10	12.41	30.42	0.434
20	12.08	30.51	0.427
30	11.64	30.60	0.409
50	11.42	30.64	0.401
75	11.36	30.83	0.392
100	11.12	30.83	0.382

STA 972 47° 00.1' N WEATHER b.c. 21 Sept 53 122° 40.0' W WIND NxE 9 1636 (+8) DEPTH --- 62°/57°F South Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.33	30.16	No sample
5	12.37	30.16	0.405
10	12.03	30.17	0.397
20	11.60	30.42	0.376
30	11.33	30.73	0.366
40	11.00	30.90	0.354
60	10.96	30.95	0.350

STA 973 47° 42.1' N WEATHER 10 21 Sept 53 122° 45.7' W WIND NWxN 9 1818 (+8) DEPTH 69 fm 61°/55°F Hazel Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.78	29.45	0.432
5	12.66	30.08	0.398
10	12.16	29.68	0.358
20	10.91	29.51	0.317
30	10.88	30.35	0.316
49	10.81	30.40	0.300
78	10.85	30.51	0.308
108	11.07	30.68	0.332

STA 974 47° 42.0' N WEATHER b.c. 21 Sept 53 122° 52.4' W WIND SWxS 9 1932 (+8) DEPTH 76 fm 63°/59°F Pleasant Harbor			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	15.47	28.72	0.469
5	12.94	29.27	0.274
10	10.54	29.70	0.263
20	9.34	29.89	no sample
30	9.56	30.00	no sample
50	10.63	30.37	no sample
75	10.85	30.53	0.306
100	10.71	30.55	0.300
125	10.47	30.55	0.287

STA 975 47° 50.0' N WEATHER b.c. 21 Sept 53 122° 48.7' W WIND NxE 3 2113 (+8) DEPTH 24 fm 55°/54°F Dabob Bay, Head of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	14.48	29.19	0.556
5	12.75	29.50	0.476
10	10.88	29.76	0.322
20	9.88	29.87	0.238
30	9.55	29.98	0.228
40	9.68	30.15	0.307
42.5	9.93	30.26	0.284

STA 976 47° 47.0' N WEATHER b.c. 21 Sept 53 122° 48.6' W WIND S 12 2238 (+8) DEPTH 87 fm 61°/57°F Bolton Peninsula, East of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	15.43	28.94	0.504
5	14.15	29.12	0.508
10	12.19	29.60	0.368
20	10.07	29.86	0.240
30	9.73	30.00	0.234
50	10.09	30.28	0.236
75	10.56	30.47	0.311
100	10.89	30.60	0.285
110	10.74	30.58	0.298
117	9.71	30.36	0.247
127	9.27	30.31	0.227
137	9.07	30.35	0.219
149	9.14	30.33	0.228
150	8.88	30.43	0.202

STA 977 47° 45.0' N WEATHER b.c. 21-22 Sept 122° 49.8' W WIND S 20 0010 (+8) DEPTH 105 fm 60°/58°F Tabook Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	15.14	27.16	0.559
5	14.99	27.19	0.558
10	11.13	27.99	0.332
20	10.09	28.13	0.259
30	9.55	28.25	0.239
50	10.10	28.56	0.246
75	10.46	30.39	0.268
96	9.81	30.32	0.252
100	9.80	30.35	0.253
115	9.37	30.29	0.244
125	8.94	30.29	0.234
135	8.68	30.43	0.212
144	8.73	30.62	0.170
154	8.74	30.67	0.143
163	8.76	30.74	0.122
173	8.82	30.77	0.111
188	8.85	30.80	0.080

STA 978 47° 41.8' N WEATHER b.c. 22 Sept 53 122° 51.7' W WIND SW 11 0125 (+8) DEPTH 86 fm 61°/58°F Tskutsko Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	14.83	28.78	0.519
5	12.12	29.56	0.396
10	11.15	29.75	0.334
20	9.81	29.77	0.244
30	9.63	30.07	0.244
50	10.02	30.26	0.243
75	10.56	30.43	0.270
100	10.09	30.41	0.273
110	10.56	30.52	0.287
120	10.53	30.54	0.289
130	9.30	30.39	0.234

STA 979 47° 23.9' N WEATHER 64 22 Sept 53 122° 55.9' W WIND W 8 0604 (+8) DEPTH 10 fm 59°/58°F Lynch Cove, Head of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	17.05	25.12	0.509
5	16.61	25.44	0.499
10	12.09	28.82	0.164
13	9.94	29.52	0.055
18	9.42	29.72	0.023

STA 980 47° 22.5' N WEATHER 63 22 Sept 53 122° 59.9' W WIND WxS 8 0700 (+8) DEPTH 19 fm 59°/57°F Lynch Cove, Middle of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	16.80	25.39	0.506
5	16.60	25.67	0.500
10	10.27	29.51	0.099
15	9.41	29.68	0.057
20	9.26	29.79	0.065
25	9.07	29.88	0.075
32	9.01	29.91	0.082

STA 981 47° 21.7' N WEATHER o. 22 Sept 53 123° 04.5' W WIND SW 3 0748 (+8) DEPTH 23 fm 60°/57°F Tahuya River			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	16.02	25.60	0.463
5	12.06	28.71	0.224
10	9.82	29.62	0.117
15	9.57	29.73	0.109
18	9.37	29.79	0.101
20	9.26	29.82	0.095
23	9.11	29.84	0.105
25	9.01	29.90	0.113
28	9.00	29.91	0.112
30	8.94	29.95	0.117
38	8.89	30.00	0.099

STA 982 47° 24.0' N WEATHER o. 22 Sept 53 123° 07.5' W WIND S 6 1000 (+8) DEPTH 66 fm 60°/58°F Musqueti Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	15.70	25.90	0.334
5	10.89	29.41	0.153
10	9.52	29.75	0.080
18	9.13	29.89	0.065
20	9.13	29.88	0.111
23	9.02	29.91	0.117
26	8.92	29.91	0.128
30	8.92	29.97	0.152
40	8.94	30.00	0.148
50	8.96	30.06	0.144
60	9.16	30.20	0.186
70	9.33	30.18	0.194
80	9.12	30.17	0.092
90	8.85	30.13	0.158
100	8.84	30.15	0.148
"B"107	8.76	30.16	0.054

STA 983 47° 26.7' N WEATHER o. 22 Sept 53 123° 06' W WIND SSW 6 1137 (+8) DEPTH 72 fm 62°/60°F Red Bluff, North			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	13.51	27.73	0.431
5	11.57	28.93	0.344
10	9.65	29.70	0.142
18	9.14	29.82	0.107
20	9.13	29.88	0.126
23	8.98	29.91	0.154
26	8.96	29.95	0.175
30	8.98	29.97	0.183
40	9.07	30.04	0.178
50	9.07	30.06	0.173
60	9.52	30.17	0.211
70	9.50	30.21	0.216
75	9.51	30.30	0.219

STA 984 47° 29.3' N WEATHER o. 22 Sept 53 123° 03.7' W WIND SxW 15 1309 (+8) DEPTH 82 fm 62°/60°F Eagle Creek			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	13.87	27.64	0.471
5	13.62	27.73	0.470
10	9.65	29.70	0.150
17	9.02	29.92	0.162
19	9.04	29.97	0.151
22	9.00	29.98	0.189
25	9.07	30.02	0.195
29	9.22	30.07	0.211
39	9.39	30.13	0.210
48	9.62	30.18	0.224
71	9.89	30.27	0.238
90	9.74	30.30	0.243
95	9.50	30.32	-----

STA 985 47° 35.8' N WEATHER o. 22 Sept 53 122° 58.2' W WIND S 18 1452 (+8) DEPTH 94 fm 61°/58°F Tekiu Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	13.83	28.03	0.493
5	13.73	28.14	0.495
9	11.80	29.23	0.386
18	9.30	29.95	0.221
27	9.88	30.13	0.252
36	10.00	30.20	0.251
45	10.06	30.22	0.251
68	10.37	30.33	0.264
86	10.32	30.41	0.262
91	10.24	30.33	0.266
112	9.71	30.35	0.242
138	9.06	30.33	0.210
166	8.82	Dumped	0.197

STA 986 47° 53.8' N WEATHER c. 22 Sept 53 122° 21.3' W WIND SSE 12 2045 (+8) DEPTH 135 fm 58°/56°F Possession Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.37	29.82	0.433
5	12.38	29.75	0.411
10	12.18	30.11	0.404
19	11.92	30.23	0.374
29	11.80	30.30	0.353
48	11.42	30.33	0.313
72	11.43	30.43	0.342
96	11.41	30.57	0.360
138	11.37	30.64	0.363
178	11.29	30.68	0.360
217	11.19	30.77	0.357

STA 987 47° 58.6' N WEATHER b.c. 22 Sept 53 122° 17.3' W WIND Sx E 12 2221 (+8) DEPTH 72 fm 59°/56°F Port Gardner			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	13.22	28.51	0.447
5	13.20	28.60	0.440
10	12.27	29.26	0.356
20	11.30	29.88	0.243
30	11.21	30.05	0.224
50	10.91	30.15	0.213
80	11.00	30.35	0.258
110	11.30	30.53	0.334
133	11.31	30.62	0.286

STA 988 48° 03.6' N WEATHER 63 23 Sept 53 122° 19.6' W WIND WxN 6 0715 (+8) DEPTH 66 fm 55°/54°F Camano Head, East of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	13.12	28.42	0.430
5	12.31	29.12	0.375
10	12.04	29.26	0.359
20	10.33	29.74	0.214
30	10.25	29.81	0.206
50	9.84	29.94	0.199
70	10.66	30.18	0.206
80	10.68	30.29	0.226
90	10.83	30.31	0.240
100	11.03	30.37	0.265
105	11.06	30.44	0.278
110	10.86	30.43	0.277
123	11.14	30.56	0.300

STA 989 48° 06.2' N WEATHER 63 23 Sept 53 122° 22.1' W WIND WxN 10 0550 (+8) DEPTH 66 fm 65°/55°F Port Susan, Middle of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	13.38	27.72	0.441
10	12.20	29.00	0.357
20	10.14	29.68	0.207
30	9.87	29.76	0.179
50	9.71	29.93	0.208
70	10.82	30.28	0.224
80	10.81	30.31	0.237
90	10.96	30.36	0.253
100	10.96	30.41	0.267
105	10.80	30.40	0.257
110	10.90	30.43	0.265
115	10.80	30.40	0.253
125	10.82	30.38	0.250

STA 990 48° 09.5' N WEATHER b.c. 23 Sept 53 122° 24.3' W WIND SSE 20 0157 (+8) DEPTH 38 fm 60°/56°F Port Susan, Head of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	12.76	28.40	0.434
5	12.76	28.42	0.430
10	12.60	28.59	0.411
20	9.42	29.70	0.171
30	9.53	29.80	0.305
50	9.74	29.94	0.203
55	9.82	30.00	0.207
60	10.15	30.13	0.208
70	10.38	30.23	0.212

STA 991 48° 02.9' N WEATHER 61 23 Sept 53 122° 22.5' W WIND NWxW 4 0757 (+8) DEPTH 95 fm 55°/54°F Camano Head, West of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	11.88	29.39	0.348
5	11.58	29.53	0.326
10	11.04	29.80	0.274
20	10.93	29.92	0.210
30	11.07	30.00	0.256
50	10.95	30.12	0.253
75	11.04	30.26	0.272
100	11.02	30.35	0.285
125	11.16	30.46	-----
150	11.25	30.61	0.316

STA 992 48° 01.5' N WEATHER b.c. 23 Sept 53 122° 31.9' W WIND WxN 9.5 0953 (+8) DEPTH 22 fm 62°/57°F Holmes Harbor, Head of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	10.53	29.49	0.148
5	10.18	29.54	0.148
10	10.07	29.67	0.131
20	10.27	29.79	0.108
30	10.29	29.84	0.074
(bottom)	10.47	29.94	0.085

STA 993 48° 03.2' N WEATHER b.c. 23 Sept 53 122° 31.8' W WIND NW 16 1040 (+8) DEPTH 27 fm 59°/54°F Classic			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	11.29	29.21	0.281
5	11.13	29.34	0.278
10	10.64	29.54	0.228
20	10.32	29.84	0.158
30	10.55	29.94	0.157
40	10.61	30.01	0.176
48	10.69	30.06	0.189

STA 994 48° 04.8' N WEATHER b.c. 23 Sept 53 122° 32.0' W WIND NWxW 12 1126 (+8) DEPTH 30 fm 61°/57°F Dines Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	11.68	29.21	0.340
5	11.71	29.18	0.335
10	10.71	29.78	0.230
20	10.71	29.88	0.226
30	10.59	29.93	0.214
40	10.68	30.00	0.224
50	10.71	30.03	0.217

STA 995 48° 06.2' N WEATHER b.c. 23 Sept 53 122° 33.0' W WIND WxN 10 1202 (+8) DEPTH 42 fm 59°/55°F Greenbank			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	12.53	28.01	0.474
5	12.31	28.32	0.435
10	11.15	29.42	0.286
20	10.75	29.88	0.231
30	10.77	29.98	0.200
40	10.75	30.07	0.116
50	10.76	30.09	0.231
60	10.78	30.10	0.092
62	10.89	30.12	0.103

STA 996 48° 11.0' N WEATHER b.c. 23 Sept 53 122° 33.0' W WIND SSW 7 1312 (+8) DEPTH 50 fm 60°/56°F Onamak Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	13.06	27.78	0.522
5	12.59	28.10	0.365
10	10.83	29.37	0.222
20	10.49	29.71	0.200
30	10.52	29.87	0.168
50	10.68	30.09	0.276
69	10.86	30.29	0.278
88	10.95	30.37	0.138

STA 997 48° 14.0' N WEATHER b.c. 23 Sept 53 122° 33.0' W WIND W 12 1400 (+8) DEPTH 48 fm 62°/56°F Demock Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	13.57	27.53	0.559
5	12.11	28.52	0.381
10	10.71	29.48	0.226
20	10.42	29.66	0.201
30	10.50	29.76	0.204
50	10.65	30.12	0.166
75	10.78	30.25	0.237

STA 998 48° 16.9' N WEATHER b.c. 23 Sept 53 122° 30.0' W WIND SW 8 1502 (+8) DEPTH 12 fm 60°/54°F Strawberry Pt, South of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.39	27.46	0.398
2	12.26	27.54	0.390
5	11.04	28.99	0.236
10	10.63	29.70	0.221
20	10.62	29.96	0.210

STA 999 48° 06.4' N WEATHER b. 23 Sept 53 122° 29.3' W WIND WNW 12 1649 (+8) DEPTH 80 fm 67°/59°F East Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.26	28.98	-----
5	12.27	29.05	0.398
10	12.15	29.05	0.278
20	10.96	29.89	0.250
30	10.99	29.97	0.232
50	10.93	30.13	0.250
75	10.96	30.27	0.276
100	10.99	30.29	0.292
130	11.06	30.39	0.288

STA 1000 47° 54.5' N WEATHER b. 23 Sept 53 122° 28.7' W WIND N.8 1943 (+8) DEPTH 108 fm 54°/52°F Point No Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.92	30.38	0.443
10	11.86	30.45	0.415
20	11.68	30.49	0.413
30	11.72	30.51	0.412
49	11.60	30.59	0.407
94	11.46	30.77	0.397
98	11.24	30.63	0.392
141	11.39	30.72	0.400
178	11.25	30.80	0.398

STA 1001 47° 57.6' N WEATHER b. 23 Sept 53 122° 34.9' W WIND NxE 4 2047 (+8) DEPTH 64 fm 54°/50°F Double Bluff			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.87	30.43	0.435
5	11.90	30.44	0.428
10	11.77	30.45	0.425
20	11.73	30.51	0.419
30	11.51	30.67	0.402
50	11.36	30.74	0.399
75	11.32	30.76	0.390
100	11.20	30.85	0.388

STA 1002 48° 06.2' N WEATHER b. 23 Sept 53 122° 38.9' W WIND NWxW 5 2235 (+8) DEPTH 79 fm 53°/50°F Marrowstone Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.60	30.53	0.412
5	11.59	30.56	0.412
10	11.52	30.58	0.403
19	11.30	30.74	0.392
29	11.25	30.83	0.388
48	11.04	30.97	0.385
52	11.04	30.96	0.376
72	10.90	30.99	0.374
82	10.98	31.01	0.378
96	10.96	30.89	0.386
118	10.88	30.92	0.384

STA 1003 48° 22.6' N WEATHER b. 24 Sept 53 124° 00.2' W WIND E 4 0637 (+8) DEPTH 58 fm 47°/46°F Glacier Pt..I			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.49	31.77	-----
5	9.54	31.81	-----
10	9.25	31.94	-----
20	9.20	32.02	-----
30	8.90	32.26	-----
50	8.60	32.45	-----
75	7.78	33.04	-----
100	7.10	33.62	-----

STA 1004 48° 18.4' N WEATHER b. 24 Sept 53 124° 03.6' W WIND E 4 0742 (+8) DEPTH 103 fm 51°/49°F Pillar Pt. III			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.79	31.59	-----
5	9.80	31.59	-----
10	9.69	31.64	-----
20	9.70	31.68	-----
30	9.60	31.81	-----
50	8.93	32.21	-----
75	8.07	32.88	-----
100	7.13	33.58	-----
140	6.81	33.82	-----
180	6.80	33.85	-----

STA 1005 48° 14.1' N WEATHER b. 24 Sept 53 124° 06.4' W WIND ExS 3 0849 (+8) DEPTH 82 fm 52°/49°F Pillar Pt. I			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.56	31.75	-----
5	9.58	31.82	-----
10	9.30	32.00	-----
20	9.30	32.12	-----
30	9.17	32.36	-----
50	8.61	32.72	-----
75	7.88	33.24	-----
100	7.65	33.35	-----

STA 1006 48° 18.2' N WEATHER 10 24 Sept 53 123° 52.8' W WIND SE 9 1045 (+8) DEPTH 94 fm 52°/51°F Otter Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.36	31.95	-----
5	9.40	31.93	-----
10	9.27	31.93	-----
20	9.26	31.97	-----
30	9.28	31.97	-----
50	8.92	32.16	-----
75	8.49	32.58	-----
100	8.61	33.25	-----
130	6.88	33.78	-----
160	6.81	33.85	-----

STA 1007 48° 15.8' N WEATHER 10 24 Sept 53 123° 41.6' W WIND SE 8 1300 (+8) DEPTH 99 fm 53°/51°F Beechy Head			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.47	31.73	0.325
4	9.39	31.84	0.316
8	9.23	31.88	0.307
14	9.17	31.93	0.279
21	9.16	31.97	0.297
35	9.01	32.02	0.298
53	8.80	32.27	0.282
71	8.56	32.65	0.278
99	7.72	33.19	0.226
134	7.24	33.40	0.193

STA 1008 48° 14.7' N WEATHER b.c. 24 Sept 53 123° 32.2' W WIND SE 5 1411 (+8) DEPTH 98 fm 54°/52°F Race Rocks			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.27	31.97	0.320
5	9.18	31.99	0.315
10	9.04	32.01	0.309
19	8.86	32.17	0.294
29	8.71	32.38	0.281
48	8.49	32.48	0.271
73	8.25	32.76	0.243
94	8.08	32.95	0.249
100	8.15	32.90	0.246
130	7.53	33.31	0.220
160	6.92	33.77	0.171

STA 1009 48° 12.2' N WEATHER b.c. 24 Sept 53 123° 23.0' W WIND SE 3 1535 (+8) DEPTH 74 fm 52°/51°F Ediz Hook			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	10.13	31.55	0.370
5	9.92	31.59	0.355
10	9.63	31.73	0.345
20	8.73	32.46	0.294
30	8.39	32.73	0.271
50	8.02	32.98	0.254
75	7.82	33.13	0.213
99	7.40	33.46	0.208
124	7.39	33.48	0.207

STA 1010 48° 14.9' N WEATHER o. 24 Sept 53 123° 14.0' W WIND WSW 2 1636 (+8) DEPTH 77 fm 53°/51°F New Dungeness, Northwest of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	10.32	31.18	0.370
5	10.29	31.27	0.370
10	10.15	31.26	0.370
20	10.06	31.36	0.356
30	10.00	31.44	0.346
49	9.24	31.92	0.299
74	9.13	32.02	0.293
98	8.98	32.11	0.288
127	7.55	33.31	0.206

STA 1011 48° 15.7' N WEATHER b.c. 24 Sept 53 123° 04.1' W WIND WSW 5 1748 (+8) DEPTH 94 fm 53°/51°F New Dungeness, Northeast of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	10.32	31.13	-----
5	10.32	31.16	-----
10	10.21	31.19	-----
19	10.17	31.26	-----
28	10.07	31.34	-----
47	9.83	31.51	-----
71	9.41	31.84	-----
94	9.20	32.15	-----
122	8.15	32.80	-----
150	7.86	32.97	-----

STA 1012 48° 12.5' N WEATHER b.c. 24 Sept 53 122° 53.5' W WIND WxS 5 1910 (+8) DEPTH 52 fm 51°/49°F Protection Island			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	10.18	31.15	-----
5	10.21	31.17	-----
10	10.14	31.16	-----
20	10.16	31.18	-----
30	9.77	31.68	-----
50	9.25	32.08	-----
70	8.87	32.23	-----
85	8.38	33.68	-----

STA 1013 48° 10.9' N WEATHER b.c. 24 Sept 53 122° 46.6' W WIND WNW 12 2049 (+8) DEPTH 32 fm 51°/50°F Middle Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.17	31.35	-----
5	10.18	31.38	-----
10	10.10	31.38	-----
20	10.14	31.38	-----
30	10.18	31.38	-----
50	10.17	31.37	-----

STA 1014 48° 08.3' N WEATHER b.c. 24 Sept 53 122° 41.6' W WIND NWxN 12 2230 (+8) DEPTH 62 fm 50°/49°F Port Townsend			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.01	30.91	-----
5	11.08	30.89	-----
10	11.02	30.90	-----
20	11.20	30.85	-----
30	11.14	30.90	-----
50	11.00	30.93	-----
75	10.82	31.00	-----

STA 1015 47° 39.6' N WEATHER b.c. 25 Sept 53 122° 28.0' W WIND --- 0300 (+8) DEPTH 122 fm 51°/50°F West Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.08	30.18	0.410
5	12.10	30.19	0.406
10	12.02	30.24	0.402
20	12.11	30.25	0.398
30	12.07	30.31	0.396
50	11.61	30.47	0.365
75	11.52	30.54	0.366
100	11.52	30.54	0.364
130	11.50	30.60	0.367
160	11.41	30.62	0.366
205	11.32	30.68	0.364

STA 1016 47° 34.2' N WEATHER b. 25 Sept 53 122° 26.6' W WIND WxS 3 0405 (+8) DEPTH 132 fm 50°/50°F Alki Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.07	30.31	0.403
5	12.09	30.33	0.403
10	12.00	30.32	0.403
20	12.08	30.32	0.403
30	12.08	30.31	0.403
50	12.04	30.34	0.389
75	11.81	30.42	0.392
100	11.68	30.49	0.370
140	11.51	30.57	0.368
180	11.37	30.63	0.371
220	11.35	30.65	0.364

STA 1017 47° 30.6' N WEATHER b. 25 Sept 53 122° 29.0' W WIND SE 6 0536 (+8) DEPTH 58 fm 49°/48°F Pt. Vashon			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.04	30.26	0.400
5	12.10	30.29	0.403
10	12.02	30.29	0.400
20	12.10	30.29	0.405
30	12.12	30.26	0.400
50	12.11	30.27	0.402
75	12.07	30.29	0.396
100	12.01	30.29	0.393

STA 1018 47° 26.3' N WEATHER 10 25 Sept 53 122° 23.4' W WIND SSW 4 0657 (+8) DEPTH 130 fm 49°/48°F Pully Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.15	30.26	-----
5	12.14	30.24	-----
10	12.07	30.25	-----
20	12.08	30.27	-----
30	12.09	30.29	-----
50	11.94	30.35	-----
75	11.69	30.44	-----
100	11.63	30.48	-----
140	11.36	30.65	-----
180	11.30	30.68	-----
220	11.29	30.72	-----

STA 1019 47° 19.1' N WEATHER 10 25 Sept 53 122° 28.0' W WIND --- 0845 (+8) DEPTH 94 fm 49°/48°F Brown Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.61	28.98	-----
5	12.60	29.60	-----
10	12.35	30.14	-----
20	12.20	30.25	-----
30	12.04	30.27	-----
50	11.88	30.32	-----
75	11.67	30.39	-----
100	11.48	30.49	-----
130	11.34	30.64	-----
160	11.26	30.72	-----

STA 1020 47° 21.1' N WEATHER 10 25 Sept 53 122° 32.6' W WIND SE 1 0943 (+8) DEPTH 54 fm 52°/51°F Spring Beach			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.28	30.18	-----
5	12.10	30.27	-----
10	11.95	30.29	-----
20	11.95	30.33	-----
30	11.97	30.32	-----
50	11.87	30.36	-----
75	11.65	30.46	-----
95	11.74	30.40	-----

STA 1021 47° 14.8' N WEATHER 10 25 Sept 53 122° 34.5' W WIND NE 2 1115 (+8) DEPTH 32 fm 52°/51°F Day Island			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.57	30.13	-----
5	12.48	30.11	-----
10	12.40	30.11	-----
20	12.43	30.13	-----
30	12.49	30.09	-----
55	12.42	30.10	-----

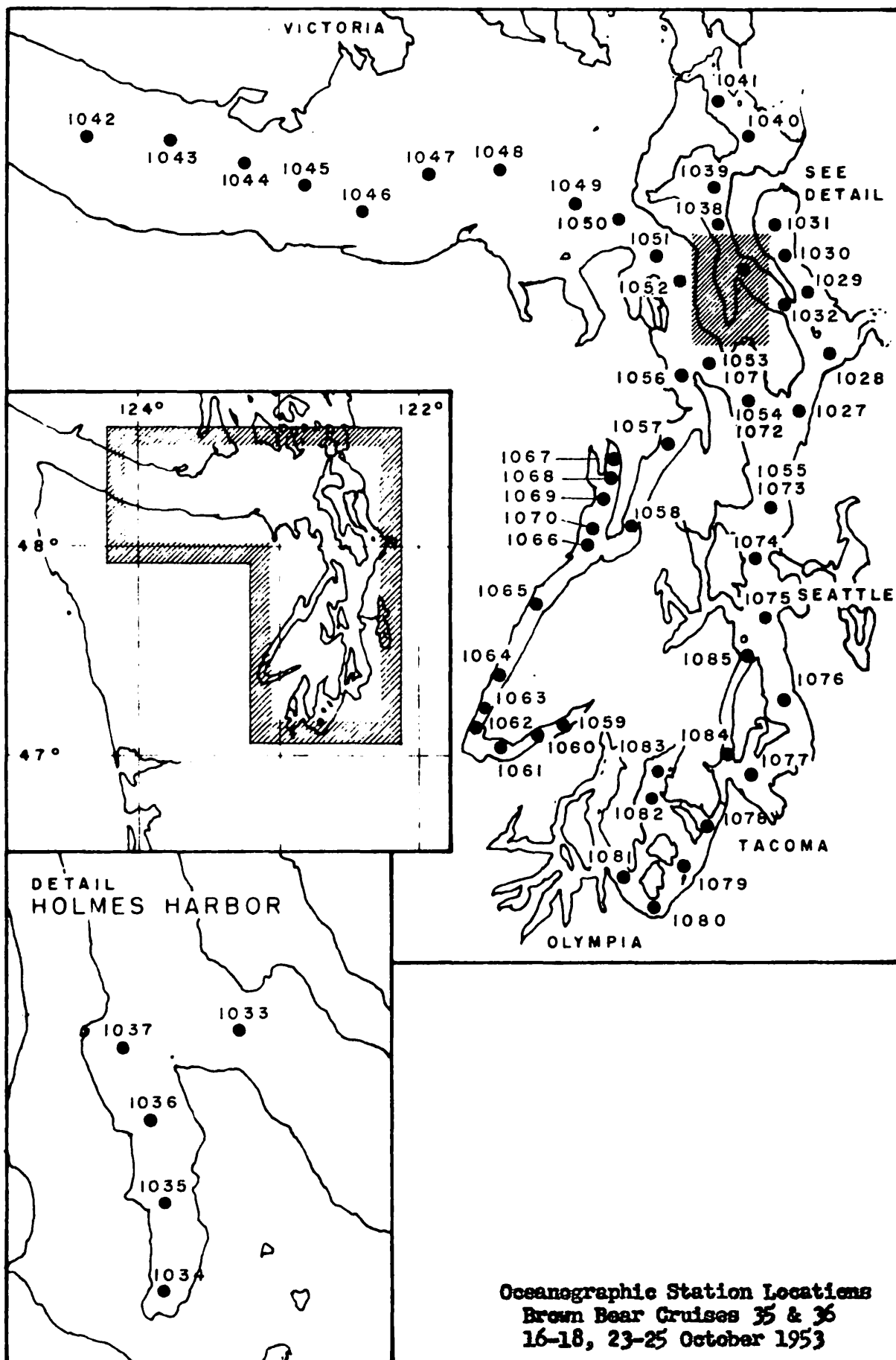
STA 1022 47° 20.9' N WEATHER b.c. 25 Sept 53 122° 40.8' W WIND SSW 4 1305 (+8) DEPTH 24 fm 62°/57°F Carr Inlet, Head of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	13.49	29.70	-----
5	13.18	29.79	-----
10	12.57	29.85	-----
20	12.49	29.93	-----
30	12.52	29.97	-----
40	12.49	30.01	-----

STA 1023 47° 16.9' N WEATHER b.c. 25 Sept 53 122° 42.8' W WIND --- 1357 (+8) DEPTH 49 fm 63°/55°F Green Pt. (Carr Inlet)			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	14.31	29.68	-----
5	13.43	29.75	-----
10	12.58	29.88	-----
20	12.52	29.93	-----
30	12.54	30.00	-----
40	12.55	30.07	-----
60	12.41	30.13	-----
85	12.43	30.13	-----
88	12.42	30.15	-----

STA 1024 47° 11.0' N WEATHER b.c. 25 Sept 53 122° 38.1' W WIND NE x E 5 1517 (+8) DEPTH 92 fm 69°/64°F Gordon Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	13.38	-----	0.424
5	13.03	29.91	0.436
10	12.80	29.98	0.426
20	12.65	30.07	0.420
30	12.63	30.07	0.410
50	12.57	-----	-----
75	12.52	30.09	0.401
100	12.53	30.08	0.403
130	12.46	30.12	0.400
160	12.32	30.16	0.392

STA 1025 47° 07.2' N WEATHER b. 25 Sept 53 122° 42.9' W WIND NESE 5 1618 (+8) DEPTH 35 fm 62°/54°F Nisqually Reach			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	13.09	29.93	0.440
5	12.99	29.95	0.430
10	12.75	29.97	-----
20	12.68	30.02	-----
30	12.50	30.13	0.405
60	12.40	30.15	0.393

STA 1026 47° 09.7' N WEATHER b. 25 Sept 53 122° 46.6' W WIND ESE 1 1703 (+8) DEPTH 47 fm 62°/54°F Devil's Head			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	13.56	29.80	0.471
5	13.50	29.82	0.465
10	13.27	29.84	0.444
20	13.15	29.91	0.440
30	13.11	29.91	0.434
50	12.93	-----	-----
75	12.87	30.24	0.426



Oceanographic Station Locations
Brown Bear Cruises 35 & 36
16-18, 23-25 October 1953

STA 1027 47° 53.9' N WEATHER c. 16 Oct 53 122° 21.4' W WIND ESE 12 2040 (+8) DEPTH 118 fm 57°/55°F Possession Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	11.93	29.59	0.447
5	12.02	29.66	0.426
10	12.18	29.77	0.455
20	11.49	29.92	0.359
30	11.64	30.29	0.351
49	11.55	30.47	0.359
73	11.38	30.53	0.351
98	11.36	30.60	0.343
137	11.08	30.67	0.346
176	10.94	30.71	0.344
210	10.88	30.73	0.350

STA 1028 47° 58.5' N WEATHER c. 16 Oct 53 122° 17.1' W WIND SE 10 2200 (+8) DEPTH 74 fm 56°/54°F Port Gardner			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	12.26	27.39	0.442
5	11.74	29.70	0.350
10	11.33	29.92	0.292
20	11.54	30.26	0.289
30	11.66	30.44	0.358
50	11.44	30.49	0.318
70	11.44	30.54	0.334
90	11.31	30.62	0.334
110	11.11	30.68	0.348
135	11.10	30.72	0.340

STA 1029 48° 04.3' N WEATHER 63 16 Oct 53 122° 20.0' W WIND SSE 10 1140 (+8) DEPTH 67 fm 56°/54°F Camano Head, East of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	12.36	23.42	0.436
5	11.92	26.37	0.372
10	10.77	29.73	0.204
20	10.73	29.92	0.172
30	10.80	30.18	0.206
50	10.84	30.33	0.205
70	11.04	30.45	0.232
79	11.17	30.54	0.276
89	11.24	30.60	0.289
98	11.23	30.62	0.294
103	11.27	30.64	0.294
107	11.26	30.62	0.292
125	11.19	30.65	0.286

STA 1030 48° 06.5' N WEATHER o. 17 Oct 53 122° 22.2' W WIND SE 16 0100 (+8) DEPTH 68 fm 56°/54°F Port Susan, Middle of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	12.50	23.03	0.286
5	11.26	28.58	0.267
10	10.68	29.83	0.193
20	10.05	29.92	0.173
30	9.96	30.01	0.171
50	10.65	30.32	0.200
70	11.02	30.46	0.201
79	11.12	30.51	0.252
89	11.26	30.56	0.283
98	11.14	30.60	0.287
103	11.29	30.61	0.298
108	11.26	30.63	0.304
127	11.11	30.64	0.275

STA 1031 48° 09.4' N WEATHER o. 17 Oct 53 122° 24.2' W WIND SExs 18 0230 (+8) DEPTH 41 fm 56°/54°F Port Susan, Head of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	12.56	21.96	0.510
5	12.61	22.52	0.498
10	10.89	29.66	0.212
20	10.18	29.87	0.167
30	9.91	29.95	0.159
50	10.34	30.19	0.182
60	10.69	30.33	0.197
70	10.78	30.36	0.204
74	10.73	30.41	0.210

STA 1032 48° 02.9' N WEATHER o. 17 Oct 53 122° 22.7' W WIND SExs 4 0435 (+8) DEPTH 97 fm 55°/53°F Camano Head, West of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	12.20	25.04	0.450
5	11.64	28.70	0.319
10	11.15	29.77	0.256
20	11.05	30.10	0.236
30	11.13	30.21	0.247
50	11.26	30.37	0.260
75	11.23	30.50	0.288
100	11.27	30.59	0.309
124	11.28	30.63	0.320
148	11.20	30.69	0.324

STA 1033 48° 06.6' N WEATHER 63 17 Oct 53 122° 29.5' W WIND SExs 4 0454 (+8) DEPTH 77 fm 55°/53°F East Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	12.05	26.32	0.446
5	12.02	26.76	0.417
10	11.13	29.70	0.232
20	11.12	30.03	0.242
29	11.10	30.16	0.244
48	11.15	30.34	0.258
72	11.19	30.47	0.272
96	11.22	30.52	0.277
125	11.28	30.59	0.295

STA 1034 48° 01.6' N WEATHER 63 17 Oct 53 122° 31.7' W WIND SxE 16 0720 (+8) DEPTH 20 fm 55°/53°F Holmes Harbor, Head of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	11.04	29.60	0.264
5	11.08	29.61	0.260
10	11.08	29.78	0.230
20	10.95	29.97	0.192
30	10.94	30.14	0.163
37	11.01	30.26	0.159

STA 1035 48° 03.2' N WEATHER 61 17 Oct 53 122° 31.8' W WIND SSE 13 0800 (+8) DEPTH 29 fm 53°/53°F Classic			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.24	29.23	0.324
5	11.28	29.22	0.326
10	11.11	29.69	0.248
20	10.93	30.07	0.168
30	10.95	30.16	0.160
40	11.03	30.24	0.205
45	11.08	30.34	0.204
52	11.06	30.29	0.197

STA 1036 48° 04.9' N WEATHER 64 17 Oct 53 122° 32.0' W WIND SE 23 0900 (+8) DEPTH 30 fm 52°/51°F Dines Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.40	28.99	0.350
5	11.45	29.02	0.346
10	11.18	29.44	0.248
20	11.07	30.03	0.234
30	11.04	30.25	0.218
40	11.08	30.28	0.222
50	11.10	30.31	0.224
55	11.09	30.35	0.222

STA 1037 48° 06.3' N WEATHER 64 17 Oct 53 122° 33.1' W WIND SSE 17 0950 (+8) DEPTH 40 fm 55°/54°F Greenbank			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.78	27.88	0.390
5	11.82	27.89	0.385
10	11.77	28.04	0.384
20	11.07	29.92	0.231
30	11.09	30.07	0.238
40	11.13	30.26	0.240
50	11.11	30.32	0.235
60	11.13	30.35	0.244
67	11.18	30.37	0.240
72	11.16	30.36	0.240
77	11.21	30.38	0.239

STA 1038 48° 11.2' N WEATHER c. 17 Oct 53 122° 33.1' W WIND SESS 12 1116 (+8) DEPTH 54 fm 55°/53°F Onamac Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.00	26.24	0.435
5	12.02	26.29	0.434
10	11.59	28.18	0.290
20	11.02	30.00	0.219
30	11.04	30.11	0.224
50	11.16	30.35	0.252
69	11.20	30.50	0.269
88	11.21	30.51	0.242

STA 1039 48° 14.0' N WEATHER o. 17 Oct. 53 122° 33.2' W WIND SE x E 16 1250 (+8) DEPTH 40 fm 58°/54°F Demock Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.08	25.46	0.464
5	12.12	25.44	0.459
10	11.97	28.20	0.415
20	10.91	30.00	0.173
30	10.96	30.15	0.195
49	10.99	30.28	0.194
69	11.14	30.44	0.234

STA 1040 48° 18.6' N WEATHER c. 17 Oct 53 122° 29.7' W WIND SE 11 1350 (+8) DEPTH 17 fm 56°/55°F Strawberry Pt., North of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.21	24.25	0.500
2	11.94	25.80	0.396
5	11.38	27.84	0.288
10	11.02	30.15	0.204
20	11.02	30.22	0.207

STA 1041 48° 21.5' N WEATHER --- 17 Oct 53 122° 33.5' W WIND SE 20 1430 (+8) DEPTH 9 fm 57°/55°F Goat Island			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.47	23.48	0.460
2	11.48	23.37	0.455
5	11.07	28.00	0.285
10	11.05	30.08	0.210

STA 1042 48° 18.2' N WEATHER b.c. 18 Oct 53 124° 02.9' W WIND ESE 7 0030 (+8) DEPTH 105 fm 52°/52°F Pillar Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.70	31.63	0.371
5	9.62	31.63	0.350
10	9.53	31.73	0.336
20	9.39	31.90	0.322
30	9.11	32.00	0.305
50	8.91	32.16	0.293
85	8.15	32.94	0.240
100	8.08	33.02	0.232
140	7.21	33.72	0.193
180	7.03	33.79	0.169

STA 1043 48° 18.0' N WEATHER 61-10 18 Oct 53 123° 52.7' W WIND WSW 3 0200 (+8) DEPTH 95 fm 50°/50°F Otter Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.74	31.35	0.374
5	9.65	31.41	0.354
10	9.59	31.48	0.344
20	9.55	31.54	0.335
30	9.47	31.63	0.326
50	9.20	32.03	0.313
75	8.48	32.66	0.264
100	7.87	33.15	0.216
130	7.33	33.61	0.186
160	7.10	33.74	0.172

STA 1044 48° 15.8' N WEATHER o. 18 Oct 53 123° 41.5' W WIND NWxW 8 0340 (+8) DEPTH 101 fm 50°/50°F Beechy Head			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.62	31.28	0.352
5	9.58	31.37	0.338
10	9.57	31.46	0.332
20	9.54	31.48	0.331
30	9.17	31.71	0.311
50	8.89	32.00	0.296
75	8.82	32.09	0.284
100	8.10	32.96	0.236
140	7.74	33.30	0.212
180	7.30	33.62	0.189

STA 1045 48° 14.6' N WEATHER o. 18 Oct 53 123° 33.1' W WIND SWxW 4 0515 (+8) DEPTH 97 fm 51°/50°F Race Rocks			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.76	31.05	0.368
5	9.85	31.05	0.364
10	9.83	31.13	0.348
20	9.7	31.23	0.334
30	9.44	31.44	0.328
50	9.34	31.74	0.318
75	9.05	31.96	0.299
100	8.38	32.61	0.256
130	7.73	33.27	0.212
175	7.43	33.55	0.188

STA 1046 48° 12.0' N WEATHER b.c. 18 Oct 53 123° 23.8' W WIND SW 3 0640 (+8) DEPTH 72 fm 51°/50°F Ediz Hook			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.77	31.36	0.358
5	9.74	31.42	0.352
10	9.77	31.44	0.351
20	9.71	31.48	0.346
30	9.47	31.64	0.326
50	9.22	31.79	0.308
75	8.67	32.24	0.238
100	8.02	32.97	0.272
130	7.76	33.25	0.211

STA 1047 48° 14.4' N WEATHER b.c. 18 Oct 53 123° 14.2' W WIND SE x E 2 0800 (+8) DEPTH 80 fm 50°/49°F New Dungeness, Northwest of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.66	31.49	0.364
5	9.58	31.60	0.352
10	9.49	31.66	0.355
20	9.37	31.79	0.326
30	9.24	31.90	0.322
50	9.14	31.97	0.310
74	8.58	32.44	0.262
98	8.18	32.79	0.235
127	8.17	32.78	0.240

STA 1048 48° 15.7' N WEATHER 60 18 Oct 53 123° 04.1' W WIND S x E 5 0920 (+8) DEPTH 96 fm 50°/49°F New Dungeness, Northeast of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.57	31.64	0.368
5	9.60	31.66	0.371
10	9.55	31.71	0.348
20	9.19	31.91	0.311
30	9.03	32.07	0.298
50	8.85	32.16	0.285
75	8.57	32.45	0.263
100	8.48	32.57	0.258
129	8.21	32.85	0.235
158	8.04	32.95	0.234

STA 1049 48° 12.4' N WEATHER 61 18 Oct. 53 122° 52.8' W WIND S 5 1050 (+8) DEPTH 48 fm 52°/51°F Protection Island			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.02	31.23	0.367
5	9.72	31.35	0.344
10	9.56	31.52	0.342
20	9.35	31.83	0.333
30	9.29	31.91	0.333
50	8.71	32.30	0.276
70	8.22	32.73	0.244
85	8.21	32.75	0.240

STA 1050 48° 10.4' N WEATHER c. 18 Oct 53 122° 46.5' W WIND S 4 1145 (+8) DEPTH 30 fm 51°/52°F Middle Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.82	31.46	0.356
5	9.74	31.56	0.354
10	9.77	31.57	0.355
20	9.29	31.97	0.328
30	9.21	32.03	0.326
50	8.91	32.22	0.304

STA 1051 48° 07.7' N WEATHER 61 18 Oct 53 122° 41.1' W WIND SExE 3 1230 (+8) DEPTH 55 fm 52°/51°F Port Townsend			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	9.78	31.13	0.370
5	9.75	31.35	0.355
10	9.78	31.37	0.350
20	9.77	31.42	0.349
30	9.74	31.43	0.352
50	9.54	31.63	0.348
71	9.23	31.92	0.320
94	9.14	32.03	0.313

STA 1052 48° 05.6' N WEATHER o. 18 Oct 53 122° 38.1' W WIND SExE 5 1340 (+8) DEPTH 100 fm 53°/52°F Marrowstone Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.67	30.69	0.392
5	10.69	30.74	0.388
10	10.54	30.81	0.388
20	10.55	30.81	0.383
30	10.34	30.97	0.374
49	10.06	31.20	0.364
73	9.79	31.49	0.349
97	9.51	31.72	0.350
110	9.81	31.45	0.357
145	9.77	31.46	0.348

STA 1053 47° 57.4' N WEATHER b.c. 18 Oct 53 122° 35.0' W WIND SExs 2 1520 (+8) DEPTH 62 fm 55°/54°F Double Bluff			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.57	30.27	0.416
5	11.45	30.35	0.398
10	11.36	30.40	0.398
20	11.05	30.57	0.386
30	10.77	30.73	0.378
49	10.58	30.84	0.370
73	10.28	31.08	0.354
96	10.30	31.08	0.362

STA 1054 47° 54.0' N WEATHER b.c. 18 Oct 53 122° 28.7' W WIND SExs 2 1640 (+8) DEPTH 110 fm 54°/52°F Point No Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.63	30.16	0.426
5	11.75	30.15	0.414
10	11.71	30.35	0.392
20	11.61	30.37	0.381
30	11.40	30.47	0.374
50	11.26	30.54	0.367
75	11.02	30.61	0.374
100	10.82	30.71	0.382
147	10.70	30.82	0.368
185	10.66	30.82	0.366

STA 1055 47° 44.7' N WEATHER b.c. 18 Oct 53 122° 25.4' W WIND ENE 8 1840 (+8) DEPTH 155 fm 53°/51°F Pt. Jefferson			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.05	29.91	0.446
5	12.08	30.06	0.436
10	11.99	30.20	0.416
20	11.66	30.41	0.379
30	11.59	30.65	0.371
50	11.48	30.52	0.360
75	11.19	30.60	0.356
100	11.12	30.61	0.355
150	10.98	30.67	0.353
200	10.70	30.81	0.352
240	10.71	30.80	0.354
270	10.68	30.82	0.355

STA 1056 47° 56.4' N WEATHER b. 23 Oct 53 122° 38.2' W WIND WNW 2 2300 (+8) DEPTH 64 fm 48°/47°F Tala Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.65	30.40	0.400
5	10.66	30.45	0.396
10	10.66	30.48	0.390
19	10.68	30.53	0.397
29	10.72	30.57	0.396
48	10.74	30.61	0.396
73	10.54	30.89	0.392
97	10.36	31.02	0.392

STA 1057 47° 49.6' N WEATHER --- 24 Oct 53 122° 40.3' W WIND W 3 0030 (+8) DEPTH 34 fm 48°/47°F South Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.60	30.23	0.379
5	10.68	30.25	0.372
10	10.66	30.26	0.367
20	10.66	30.39	0.355
30	10.66	30.49	0.347
40	10.62	30.49	0.344
60	10.62	30.51	0.347

STA 1058 47° 14.9' N WEATHER b. 24 Oct 53 122° 45.7' W WIND W 2 0230 (+8) DEPTH 60 fm 46°/46°F Hazel Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.72	29.81	0.386
5	10.74	29.98	0.369
10	10.70	30.06	0.364
20	10.61	30.43	0.315
30	10.62	30.51	0.302
50	10.60	30.53	0.302
80	10.60	30.56	0.295
118	10.62	30.57	0.297

STA 1059 47° 24.0' N WEATHER 10 24 Oct 53 122° 55.8' W WIND NNE 1 0720 (+8) DEPTH 10 fm 57°/55°F Lynch Cove			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	10.99	22.95	0.645
5	10.70	27.77	0.268
10	9.90	29.52	0.113
13	9.60	29.70	0.066
18	9.22	29.96	0.035

STA 1060 47° 22.5' N WEATHER 10 24 Oct 53 122° 59.8' W WIND WSW 1 0810 (+8) DEPTH 20 fm 57°/57°F Lynch Cove, Middle of			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	10.55	23.21	0.562
5	10.78	27.43	0.333
10	9.68	29.63	0.155
15	9.38	29.88	0.113
20	9.25	30.02	0.087
25	9.18	30.06	0.090
30	9.16	30.09	0.089
37	9.17	30.10	0.083

STA 1061 47° 21.35' N WEATHER 10 24 Oct 53 123° 04.09' W WIND WxS 4 0920 (+8) DEPTH 25 fm 48°/47°F Tahuya River			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	10.47	22.99	0.505
5	10.60	28.94	0.290
10	9.62	29.77	0.160
15	9.41	29.93	0.123
20	9.20	30.08	0.112
25	9.23	30.14	0.123
30	9.24	30.18	0.128
35	9.28	30.25	0.137
41	9.38	30.30	0.157

STA 1062 47° 23.4' N WEATHER 10 24 Oct 53 123° 07.9' W WIND WxS 1 1040 (+8) DEPTH 60 fm 48°/47°F Musqueti Pt.			
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)
0	10.80	22.77	0.526
5	11.10	28.31	0.413
10	10.20	29.51	0.247
15	9.62	29.86	0.152
20	9.30	30.06	0.126
25	9.25	30.10	0.127
30	9.26	30.19	0.130
40	9.26	30.25	0.135
50	9.29	30.29	0.158
60	9.38	30.33	0.176
70	9.58	30.38	0.194
90	9.72	30.43	0.218
100	9.88	30.48	0.224
119	9.88	30.45	0.220

STA 1063 47° 26.2' N WEATHER c. 24 Oct 53 123° 06.4' W WIND NNE 3 1200 (+8) DEPTH 74 fm 50°/49°F Red Bluff, North of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.45	23.78	0.530
5	11.00	28.75	0.378
10	10.13	29.51	0.260
15	9.40	29.91	0.123
20	9.26	30.07	0.123
30	9.22	30.23	0.135
40	9.30	30.26	0.155
50	9.46	30.32	0.178
60	9.64	30.36	0.199
80	10.00	30.46	0.234
100	10.24	30.53	0.264
120	10.23	30.57	0.261
133	10.20	30.54	0.238

STA 1064 47° 28.7' N WEATHER o. 24 Oct 53 123° 03.9' W WIND SW 3-4 1310 (+8) DEPTH 85 fm 50°/48°F Eagle Creek			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.86	25.75	0.517
5	10.49	29.43	0.290
10	10.21	29.64	0.250
15	9.39	30.03	0.147
20	9.24	30.08	0.123
30	9.35	30.21	0.145
40	9.50	30.30	0.177
50	9.68	30.36	0.196
75	10.23	30.53	0.250
100	10.36	30.58	0.257
125	10.39	30.55	0.267
150	10.41	30.59	0.276

STA 1065 47° 35.8' N WEATHER o. 24 Oct 53 122° 58.0' W WIND calm 1440 (+8) DEPTH 92 fm 50°/48°F Tekiu Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.20	28.12	0.511
5	11.18	28.66	0.476
10	10.42	29.57	0.320
20	9.76	30.06	0.196
30	9.50	30.17	0.167
50	9.56	30.26	0.181
60	10.00	30.41	0.223
85	10.58	30.57	0.281
115	10.64	30.61	0.293
145	10.64	30.63	0.298
165	10.64	30.64	0.303

STA 1066 47° 30.0' N WEATHER c. 24 Oct 53 122° 52.4' W WIND calm 1600 (+8) DEPTH 75 fm 51°/49°F Pleasant Harbor			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.14	28.87	0.463
5	11.07	29.24	0.442
10	10.70	29.80	0.367
20	10.58	30.33	0.301
30	10.43	30.37	0.220
50	10.52	30.34	0.272
75	10.61	30.62	0.180
100	10.64	30.65	0.290
125	10.62	30.67	0.190
140	10.32	30.64	0.267

STA 1067 47° 50.1' N WEATHER b.c. 24 Oct 53 122° 48.8' W WIND W 1 1750 (+8) DEPTH 25 fm 49°/48°F Dabob Bay, Head of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	10.76	29.52	0.427
5	10.66	29.92	0.318
10	10.40	30.05	0.281
20	10.18	30.23	0.229
30	10.20	30.31	0.217
40	10.23	30.35	0.216
47	10.24	30.42	0.212

STA 1068 47° 46.8' N WEATHER b.c. 24 Oct 53 122° 48.4' W WIND W 1 1900 (+8) DEPTH 87 fm 49°/48°F Bolton Peninsula, East of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.02	29.24	0.475
5	10.92	29.48	0.430
10	10.68	30.01	0.317
20	10.54	30.22	0.288
30	10.48	30.23	0.272
50	10.43	30.46	0.244
70	10.54	30.58	0.255
90	10.64	30.61	0.285
110	10.63	30.65	0.292
120	10.56	30.65	0.290
130	10.33	30.62	0.271
140	9.14	30.62	0.167
150	8.78	30.72	0.100
159	8.76	30.75	0.078

STA 1069 47° 44.8' N WEATHER b.c. 24 Oct 53 122° 49.9' W WIND SSE 4 2000 (+8) DEPTH 105 fm 51°/50°F Tabook Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.02	29.12	0.492
5	10.92	29.64	0.388
10	10.62	29.95	0.329
20	10.33	30.21	0.254
30	10.32	30.35	0.233
50	10.44	30.49	0.244
75	10.66	30.61	0.292
100	10.61	30.63	0.288
120	10.52	30.63	0.296
130	10.28	30.69	0.263
150	9.04	30.64	0.165
160	8.82	30.61	0.127
170	8.75	30.72	0.103
180	8.78	30.73	0.077
193	8.78	30.77	0.209*
*muddy			

STA 1070 47° 41.7' N WEATHER b. 24 Oct 53 122° 51.8' W WIND SxW 1 2130 (+8) DEPTH 80 fm 50°/49°F Tskutsko Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.32	28.99	0.493
5	10.85	29.68	0.382
10	10.62	30.08	0.342
20	10.53	30.28	0.294
30	10.63	30.38	0.309
50	10.54	30.50	0.284
75	10.62	30.60	0.286
100	10.66	30.63	0.312
120	10.48	30.62	0.287
130	10.24	30.64	0.269
140	9.66	30.58	0.217

STA 1071 47° 56.9' N WEATHER 10 25 Oct 53 122° 34.5' W WIND E 6 0100 (+8) DEPTH 57 fm 49°/49°F Double Bluff			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.06	29.91	0.399
5	11.07	30.00	0.398
10	11.00	30.04	0.398
20	11.03	30.03	0.398
30	11.01	30.08	0.402
49	10.89	30.34	0.406
74	10.78	30.49	0.391
98	10.80	30.49	0.391

STA 1072 47° 54.0' N WEATHER 10 25 Oct 53 122° 28.8' W WIND ESE 6 0200 (+8) DEPTH 107 fm 51°/50°F Point No Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.19	29.35	0.404
5	11.13	30.02	0.394
10	11.06	30.23	0.378
20	11.02	30.31	0.377
30	11.08	30.33	0.377
50	11.00	30.40	0.379
75	10.90	30.46	0.386
100	10.85	30.54	0.386
148	10.86	30.56	0.382
187	10.90	30.61	0.367

STA 1073 47° 44.2' N WEATHER 10 25 Oct 53 122° 25.6' W WIND S 6 0400 (+8) DEPTH 151 fm 51°/49°F Pt. Jefferson			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.37	29.89	0.442
5	11.36	29.89	0.440
10	11.36	29.88	0.439
20	11.42	29.93	0.433
30	11.46	29.99	0.430
49	11.58	30.34	0.400
73	11.48	30.38	0.379
98	11.22	30.56	0.367
147	11.02	30.62	0.366
192	11.00	30.68	0.353
231	11.00	30.34	0.371
259	10.97	30.67	0.357

STA 1074 47° 39.7' N WEATHER b.c. 25 Oct 53 122° 28.4' W WIND SW 4 0510 (+8) DEPTH 124 fm 49°/48°F West Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.32	29.94	0.433
5	11.50	30.15	0.415
10	11.46	30.19	0.412
20	11.53	30.24	0.408
30	11.58	30.26	0.404
50	11.54	30.38	0.387
75	11.34	30.51	0.369
100	11.27	30.56	0.359
140	11.24	30.57	0.358
180	11.03	30.66	0.350
220	10.94	30.67	0.348

STA 1075 47° 34.1' N WEATHER b.c. 25 Oct 53 122° 26.5' W WIND SxW 4 0630 (+8) DEPTH 134 fm 49°/47°F Alki Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.56	30.32	0.401
5	11.58	30.32	0.397
10	11.54	30.33	0.394
20	11.55	30.39	0.395
30	11.56	30.35	0.394
50	11.55	30.34	0.394
75	11.54	30.34	0.392
100	11.26	30.55	0.364
140	11.25	30.59	0.359
180	11.18	30.60	0.355
220	11.10	30.60	0.357

STA 1076 47° 26.5' N WEATHER b. 25 Oct 53 122° 23.6' W WIND SE 4 0745 (+8) DEPTH 130 fm 50°/48°F Pully Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.52	30.35	0.402
5	11.53	30.35	0.396
10	11.44	30.34	0.398
20	11.53	30.36	0.393
30	11.56	30.35	0.392
50	11.54	30.39	0.389
75	11.50	30.42	0.381
100	11.44	30.45	0.374
140	11.26	30.59	0.360
180	11.08	30.66	0.344
220	11.02	30.67	0.345

STA 1077 47° 19.1' N WEATHER 10 25 Oct 53 122° 28.1' W WIND SSE 6 0920 (+8) DEPTH 97 fm 50°/48°F Brown Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.53	30.18	0.411
5	11.56	30.27	0.405
10	11.48	30.34	0.402
20	11.56	30.37	0.394
30	11.56	30.38	0.397
50	11.54	30.40	0.394
75	11.42	30.51	0.366
100	11.32	30.61	0.350
130	11.32	30.63	0.348
160	11.16	30.68	0.342

STA 1078 47° 15.1' N WEATHER b. 25 Oct 53 122° 34.1' W WIND SE 2 1110 (+8) DEPTH 35 fm 54°/52°F Day Island			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.84	30.22	0.398
5	11.86	30.21	0.399
10	11.77	30.21	0.398
20	11.80	30.21	0.398
30	11.79	30.22	0.394
55	11.68	30.31	0.388

STA 1079 47° 11.2' N WEATHER b.c. 25 Oct 53 122° 37.9' W WIND NE 3 1222 (+8) DEPTH 92 fm 60°/57°F Gordon Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.99	29.99	0.422
5	12.03	30.02	0.411
10	11.93	30.04	0.415
20	11.99	30.06	0.411
30	11.96	30.08	0.406
50	11.88	30.13	0.402
75	11.86	30.13	0.400
100	11.86	30.18	0.400
130	11.84	30.21	0.395
160	11.80	30.22	0.395

STA 1080 47° 07.2' N WEATHER o. 25 Oct 53 122° 42.5' W WIND NE x E 2 1330 (+8) DEPTH 37 fm 56°/53°F Nisqually Reach			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.18	24.94	0.475
5	12.08	30.10	0.420
10	12.04	30.04	0.417
20	12.00	30.07	0.415
30	12.06	30.04	0.416
60	12.04	30.05	0.414

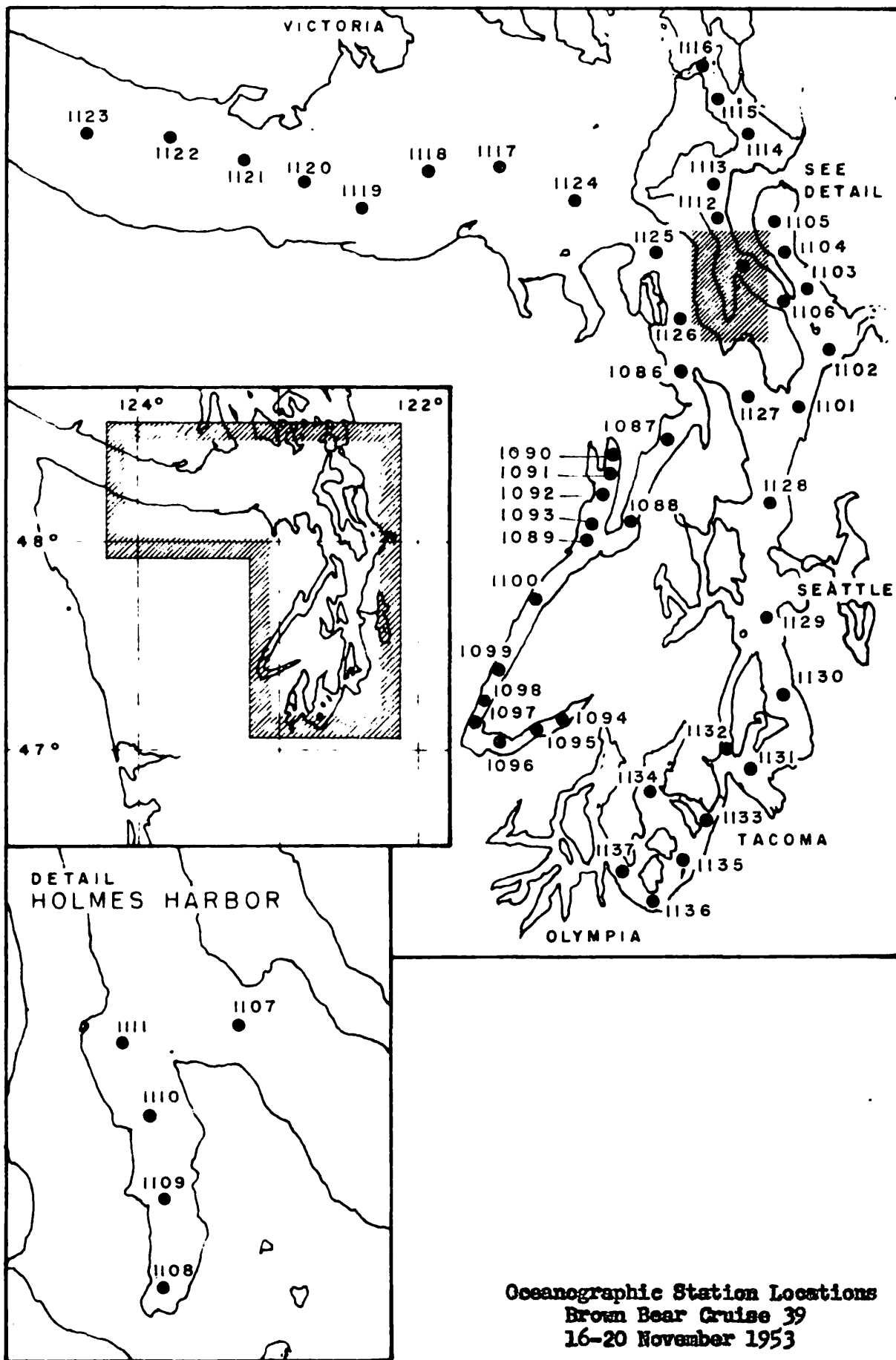
STA 1081 47° 10.0' N WEATHER o. 25 Oct 53 122° 47.4' W WIND NW x W 4 1430 (+8) DEPTH 48 fm 55°/52°F Devil's Head			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.46	29.79	0.479
5	12.34	29.82	0.454
10	12.12	29.93	0.424
20	12.14	29.93	0.420
30	12.11	29.99	0.418
50	12.10	29.99	0.419
75	12.06	30.01	0.410

STA 1082 47° 16.8' N WEATHER b. 25 Oct 53 122° 42.7' W WIND calm 1630 (+8) DEPTH 50 fm 55°/51°F Green Pt.			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.76	29.96	0.405
5	12.40	29.97	0.381
10	12.28	30.07	0.335
20	12.16	30.12	0.354
30	12.10	30.15	0.351
40	12.06	30.17	0.354
60	11.89	30.20	0.378
85	11.85	30.21	0.378
92.5	11.87	30.20	0.375

STA 1083 47° 20.7' N WEATHER b.c. 25 Oct 53 122° 41.0' W WIND E 2 1740 (+8) DEPTH 27 fm 54°/51°F Carr Inlet, Head of			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	12.46	29.95	0.382
5	12.36	30.02	0.352
10	12.23	30.06	0.328
20	12.26	30.13	0.306
30	12.15	30.18	0.324
40	12.10	30.18	0.347

STA 1084 47° 21.4' N WEATHER o. 25 Oct 53 122° 32.4' W WIND NW 8 2000 (+8) DEPTH 54 fm 52°/51°F Spring Beach			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.60	30.27	0.418
5	11.58	30.29	0.412
10	11.55	30.33	0.401
20	11.55	30.42	0.394
30	11.55	30.42	0.392
50	11.50	30.40	0.389
75	11.44	30.43	0.377
95	11.28	30.60	0.357

STA 1085 47° 30.6' N WEATHER 10 25 Oct 53 122° 29.1' W WIND calm 2145 (+8) DEPTH 59 fm ----- Pt. Vashon			
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)
0	11.71	30.26	0.398
5	11.74	30.27	0.398
10	11.64	30.27	0.396
20	11.70	30.27	0.397
30	11.71	30.27	0.396
50	11.68	30.27	0.394
75	11.63	30.30	0.384
100	11.58	30.35	0.382



Oceanographic Station Locations
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STA 1086 47° 56.2' N WEATHER b.c. 16 Nov 53 122° 38.4' W WIND SSW 8 1325 (+8) DEPTH 65 fm 51°/49°F Tala Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	10.09	29.22	0.468	1.96
5	10.06	29.41	0.457	2.12
10	10.04	30.24	0.441	2.31
20	10.02	30.47	0.422	2.09
30	9.94	30.49	0.422	2.18
49	9.88	30.68	0.418	2.19
74	9.78	30.80	0.411	2.24
98	9.74	30.91	-----	-----

STA 1087 47° 50.0' N WEATHER b.c. 16 Nov 53 122° 39.9' W WIND SSW 5 1500 (+8) DEPTH 38 fm 48°/47°F South Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	10.13	28.74	0.442	2.43
5	10.10	29.01	0.443	2.57
10	10.08	29.54	0.432	2.62
20	9.94	30.21	0.424	2.57
30	9.86	30.59	0.411	2.57
40	9.86	30.59	0.408	2.55
60	9.73	30.81	0.399	2.57

STA 1088 47° 41.9' N WEATHER b.c. 16 Nov 53 122° 45.7' W WIND E 2 1600 (+8) DEPTH 68 fm 47°/46°F Hazel Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	10.06	28.00	0.444	2.56
5	10.20	28.92	0.351	2.60
10	10.24	29.90	0.372	2.66
20	10.20	30.29	0.359	2.43
30	10.15	30.49	-----	2.67
50	10.08	30.52	0.368	2.40
80	9.96	30.56	0.380	2.64
100	10.00	30.57	0.385	2.62
127	10.02	30.56	0.383	2.62

STA 1089 47° 40.1' N WEATHER b.c. 16 Nov 53 122° 52.4' W WIND calm 1800 (+8) DEPTH 74 fm 45°/45°F Pleasant Harbor				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	10.11	28.07	0.532	2.35
5	10.25	28.52	0.453	2.52
10	10.32	29.05	0.400	2.64
20	10.44	30.17	0.320	2.78
30	10.46	30.47	0.284	2.78
40	10.46	30.53	0.270	2.79
60	10.48	30.55	0.281	2.77
80	10.37	30.54	0.327	2.74
100	10.39	30.57	0.340	2.72
125	10.19	30.59	0.355	2.79

STA 1090 47° 50.0' N WEATHER b.c.
16 Nov 53 122° 51.25' W WIND calm
1935 (+8) DEPTH 28 fm 47°/45°F
Dabob Bay, Head of

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
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0	9.80	26.41	0.571	2.23
5	10.18	27.87	0.545	2.40
10	10.40	29.55	0.359	2.83
20	10.43	30.18	0.276	2.97
30	10.44	30.42	0.236	3.02
40	10.53	30.58	0.237	3.11
52	10.62	30.60	0.252	3.13

STA 1091 47° 46.75' N WEATHER 62
16 Nov 53 122° 48.50' W WIND ---
2040 (+8) DEPTH 88 fm 47°/45°F
Bolton Peninsula, East of

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
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0	9.60	26.97	0.552	2.40
5	10.30	28.31	0.504	2.53
10	10.38	28.96	0.410	2.71
20	10.48	30.27	0.264	2.94
30	10.48	30.47	0.247	2.96
40	10.55	30.55	0.263	2.89
60	10.58	30.60	0.265	2.83
80	10.59	30.60	0.259	2.80
100	10.52	30.62	0.300	2.87
110	10.45	30.62	0.307	2.84
120	10.24	30.58	0.338	2.84
130	10.20	30.57	0.325	2.88
140	10.28	30.61	0.282	3.05
150	10.16	30.61	0.274	2.95
164½	9.04	30.65	0.129	4.57

STA 1092 47° 44.85' N WEATHER 62
16 Nov 53 122° 49.71' W WIND NWxN 4
2200 (+8) DEPTH 105 fm 45°/45°F
Tabook Pt.

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
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0	9.47	25.83	0.562	2.26
5	10.31	28.25	0.506	2.58
10	10.35	29.02	0.409	2.78
20	10.48	30.38	0.278	2.95
30	10.48	30.49	0.249	2.92
40	10.50	30.54	0.297	2.80
60	10.48	30.56	0.298	2.84
80	10.38	30.56	0.325	2.80
100	10.48	30.60	-----	2.84
120	10.38	30.63	0.298	2.96
130	10.08	30.61	0.260	3.27
140	9.69	30.60	0.208	3.57
150	9.24	30.63	0.160	4.03
160	8.93	30.65	0.114	4.50
170	8.87	30.69	0.101	4.50
180	8.80	30.71	0.102	5.17
192	8.82	30.68	0.132	turbid

STA 1093 47° 41.91' N WEATHER 62
16 Nov 53 122° 51.90' W WIND N 4
2330 (+8) DEPTH 80 fm 44°/43°F
Tskutsko Pt.

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
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0	9.94	27.51	0.522	2.38
5	10.24	28.14	0.510	2.57
10	10.32	28.72	0.428	2.69
20	10.48	30.38	0.294	2.83
30	10.49	30.53	0.292	2.85
40	10.51	30.52	0.284	2.75
60	10.57	30.56	0.283	2.80
80	10.25	30.52	0.347	2.69
100	10.28	30.56	0.348	2.75
110	10.36	30.58	0.321	2.87
120	10.28	30.60	0.310	2.93
130	10.13	30.61	0.275	3.43
136	9.97	30.63	0.246	3.22

STA 1094 47° 23.94' N WEATHER c. 17 Nov 53 122° 55.83' W WIND --- 0620 (+8) DEPTH --- 42°/41°F Lynch Cove, Head of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	9.55	19.56	0.662	1.48
5	9.68	29.63	0.0843	3.72
10	9.35	29.98	0.0728	4.30
14	9.29	30.06	0.0724	4.58
18	9.32	30.17	0.0728	4.43

STA 1095 47° 22.68' N WEATHER 10 17 Nov 53 122° 59.65' W WIND SWxS 3 0700 (+8) DEPTH 18 fm 42°/41°F Lynch Cove, Middle of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	8.84	20.41	0.636	1.69
5	9.63	29.57	0.0932	4.06
10	9.40	29.96	0.0684	4.31
15	9.42	30.20	0.102	3.89
20	9.42	30.26	0.113	3.76
25	9.42	30.27	0.117	3.73
34.5	9.48	30.29	0.121	4.33

STA 1096 47° 21.48' N WEATHER 44 17 Nov 53 123° 03.8' W WIND SWxS 2 0800 (+8) DEPTH --- 42°/42°F Tahuya River				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	8.47	15.00	0.592	1.83
5	9.64	28.77	0.168	2.70
10	9.50	29.96	0.107	4.01
15	9.42	30.15	0.106	4.01
20	9.40	30.22	0.123	3.71
25	9.43	30.26	0.129	3.63
30	9.44	30.26	0.128	3.44
35	9.50	30.29	0.130	3.97
41	9.52	30.32	0.134	4.09

STA 1097 47° 23.3' N WEATHER 44 17 Nov 53 123° 07.8' W WIND SW 2 0900 (+8) DEPTH 60 fm 44°/43°F Musqueti Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	9.07	15.81	0.558	1.82
5	9.91	28.42	0.328	3.03
10	9.83	29.68	0.247	3.42
15	9.58	29.96	0.148	3.70
20	9.43	30.08	0.123	3.86
25	9.37	30.16	0.127	3.80
30	9.41	30.24	0.138	3.68
40	9.50	30.31	0.149	3.72
50	9.56	30.33	0.155	3.65
60	9.66	30.36	0.167	3.71
70	9.72	30.40	0.163	3.80
80	9.82	30.45	0.180	3.76
90	9.87	30.44	0.187	3.71
100	10.08	30.48	0.195	3.67
111	10.02	30.48	0.195	3.83

STA 1098 47° 26.20' N WEATHER 44 17 Nov 53 123° 06.42' W WIND SWxS 3 1000 (+8) DEPTH 72 fm 43°/42°F Red Bluff, North of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	9.47	21.58	0.526	2.36
5	10.02	28.93	0.332	2.68
10	10.09	29.61	0.294	2.79
15	9.86	29.88	0.225	3.43
20	9.45	30.12	0.130	3.75
30	9.61	30.32	0.165	3.20
40	9.86	30.38	0.193	3.37
50	9.85	30.44	0.194	3.50
60	9.82	30.48	0.187	3.52
80	10.08	30.51	0.215	3.46
100	10.26	30.56	0.237	3.05
120	10.35	30.61	0.247	3.20
136	10.42	30.61	0.241	3.26

STA 1099 47° 28.6' N WEATHER o. 17 Nov 53 123° 04.0' W WIND SSW 3 1100 (+8) DEPTH 85 fm 44°/42°F Eagle Creek				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	9.08	20.72	0.548	2.40
5	9.99	28.18	0.378	2.93
10	10.10	29.49	0.300	3.04
20	9.67	30.16	0.179	3.50
30	9.68	30.31	0.173	3.22
40	9.87	30.40	0.194	3.07
50	9.95	30.45	0.206	3.09
75	10.25	30.54	0.230	3.23
100	10.41	30.61	0.246	3.12
125	10.50	30.64	0.260	3.09
150	10.50	30.64	0.258	3.09

STA 1100 47° 35.7' N WEATHER c. 17 Nov 53 122° 58.0' W WIND SSW 6 1230 (+8) DEPTH 92 fm 50°/48°F Tekiu Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	8.50	21.04	0.568	2.25
5	10.25	28.58	0.424	2.72
10	10.33	29.20	0.365	2.84
20	10.24	30.15	0.267	3.10
30	10.39	30.44	0.260	2.95
40	10.40	30.51	0.247	2.94
50	10.44	30.54	0.260	2.88
75	10.48	30.58	0.262	2.93
100	10.51	30.62	0.287	2.98
130	10.49	30.63	0.292	2.87
160	10.30	30.58	0.321	2.74

STA 1101 47° 53.7' N WEATHER c. 17 Nov 53 122° 21.2' W WIND SExE 12 1800 (+8) DEPTH 124 fm 45°/42°F Possession Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	10.29	25.21	0.497	2.35
5	10.85	28.48	0.427	2.42
10	11.06	29.99	0.409	2.52
20	11.01	30.19	0.399	2.59
30	11.02	30.31	0.406	2.44
50	10.92	30.35	0.385	2.50
75	10.96	30.42	0.350	2.38
98	10.92	30.51	0.331	2.61
138	10.94	30.51	0.335	2.66
175	10.54	30.51	0.382	2.68
215	10.26	30.51	0.396	2.76

STA 1102 47° 58.66' N WEATHER c. 17 Nov 53 122° 17.11' W WIND --- 1930 (+8) DEPTH 70 fm 43°/42°F Port Gardner				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	10.04	23.30	0.528	2.23
5	10.54	26.15	0.460	2.48
10	11.02	29.48	0.365	2.54
20	11.07	30.04	0.354	2.48
30	11.07	30.08	0.354	2.40
50	11.07	30.33	0.287	2.40
80	11.01	30.48	0.279	2.60
110	10.96	30.54	0.291	2.69
130	10.49	30.48	0.369	2.78

STA 1103 48° 04.11' N WEATHER 10 17 Nov 53 122° 20.00' W WIND SE x S 8 2130 (+8) DEPTH 64 fm 42°/40°F Camano Island, East of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.32	19.00	0.565	1.75
5	10.94	27.91	0.399	2.50
10	11.10	29.70	0.365	2.47
20	11.14	30.06	0.342	2.58
30	11.16	30.20	0.281	2.53
50	11.12	30.27	0.260	2.56
70	11.07	30.36	0.220	2.60
79	11.04	30.41	0.219	2.78
88	11.08	30.47	0.226	2.92
97	11.16	30.54	0.246	----
103	11.20	30.61	0.260	2.82
115	11.14	30.62	0.219	4.10

STA 1104 48° 06.26' N WEATHER c. 17 Nov 53 122° 22.10' W WIND SE x S 8 2230 (+8) DEPTH 65 fm 43°/41°F Port Susan, Middle of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.30	18.91	0.568	1.90
5	10.25	23.98	0.489	2.24
10	11.10	29.08	0.335	2.69
20	11.12	30.03	0.291	2.76
30	11.17	30.09	0.285	2.71
50	10.74	30.16	0.204	2.63
70	10.84	30.33	0.186	2.64
80	10.90	30.38	0.206	2.92
90	11.08	30.45	0.216	2.89
100	11.26	30.52	0.247	2.84
110	11.16	30.47	0.253	2.95
140	11.12	30.62	0.212	4.04

STA 1105 48° 09.15' N WEATHER c. 17 Nov 53 122° 24.63' W WIND SE x S 8 2315 (+8) DEPTH 55 fm 44°/42°F Port Susan, Head of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.48	19.63	0.582	1.96
5	10.74	25.80	0.428	2.50
10	11.10	29.55	0.327	2.57
20	11.18	30.11	0.294	2.73
30	11.05	30.20	0.266	2.77
40	10.84	30.24	0.210	2.87
50	10.92	30.34	0.186	2.94
60	10.94	30.36	0.187	3.06
69	11.01	30.42	0.198	3.05
79	11.07	30.44	0.210	3.08
98	11.16	30.55	0.240	3.95

STA 1106 48° 02.9' N WEATHER o. 18 Nov 53 122° 22.8' W WIND ESE 16 0100 (+8) DEPTH 90 fm 43°/42°F Camano Head, West of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	9.99	24.76	0.508	2.51
5	10.50	25.85	0.471	2.54
10	11.08	29.38	0.357	2.83
20	11.13	30.06	0.315	2.63
30	11.14	30.22	0.305	2.61
50	11.12	30.34	0.291	2.60
75	11.08	30.47	0.294	2.72
100	11.00	30.54	0.319	2.75
125	11.00	30.54	0.315	2.77
150	10.92	30.54	0.325	2.78

STA 1107 48° 06.6' N WEATHER o. 18 Nov 53 122° 29.5' W WIND ESE 18 0200 (+8) DEPTH 77 fm 45°/43°F East Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	10.04	24.98	0.515	2.62
5	10.31	25.14	0.501	2.53
10	11.10	28.98	0.315	2.79
20	11.18	30.24	0.293	2.63
30	11.20	30.30	0.288	2.68
50	11.16	30.36	0.299	2.91
75	11.18	30.42	0.284	2.72
98	11.20	30.44	0.286	2.83
126	11.20	30.49	0.285	2.90

STA 1108 48° 01.5' N WEATHER o. 18 Nov 53 122° 31.8' W WIND S 16 0310 (+8) DEPTH 20 fm 45°/44°F Holmes Harbor, Head of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	9.92	25.01	0.524	2.53
5	10.90	28.72	0.330	3.04
10	11.14	30.15	0.257	2.90
20	11.14	30.20	0.257	2.97
30	11.17	30.27	0.248	3.00
38	11.20	30.33	0.186	3.48

STA 1109 48° 03.1' N WEATHER o. 18 Nov 53 122° 31.8' W WIND SSE 12 0400 (+8) DEPTH 28 fm 44°/43°F Classic				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	10.00	25.07	0.520	2.59
5	10.73	25.83	0.477	2.64
10	10.98	28.85	0.325	2.94
20	11.14	30.10	0.270	2.95
30	11.20	30.25	0.276	2.90
40	11.16	30.33	0.212	3.18
50	11.19	30.38	0.207	3.70

STA 1110 48° 05.0' N WEATHER o. 18 Nov 53 122° 32.2' W WIND ESE 11 0450 (+8) DEPTH 29 fm 44°/42°F Dines Pt.				
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.96	24.99	0.520	2.50
5	10.64	26.28	0.457	2.62
10	11.10	29.52	0.328	2.89
20	11.14	30.12	0.268	2.89
30	11.20	30.27	0.261	3.00
40	11.21	30.36	0.234	2.82
50	11.18	30.37	0.234	2.95

STA 1111 48° 06.3' N WEATHER o. 18 Nov 53 122° 33.1' W WIND ESE 8 0600 (+8) DEPTH 40 fm 43°/42°F Greenbank				
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.96	25.07	0.519	2.52
5	10.74	26.51	0.432	2.71
10	11.01	29.16	0.452	2.92
20	11.14	30.15	0.278	2.92
30	11.19	30.31	0.280	2.77
40	11.17	30.33	0.273	2.86
50	11.19	30.38	0.275	2.97
60	11.20	30.40	0.267	2.93
78	11.22	30.42	0.260	3.05

STA 1112 48° 11.06' N WEATHER o. 18 Nov 53 122° 32.70' W WIND ESE 10 0720 (+8) DEPTH 50 fm 43°/42°F Onamak Pt.				
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.74	24.20	0.550	2.73
5	9.90	24.36	0.540	2.53
10	10.89	27.87	0.357	2.94
20	11.08	29.94	0.226	3.23
30	11.18	30.19	0.266	2.80
50	11.18	30.31	0.277	2.37
70	11.19	30.41	0.265	2.45
90	11.20	30.45	0.255	2.70

STA 1113 48° 13.87' N WEATHER o. 18 Nov 53 122° 32.91' W WIND SExE 16 0815 (+8) DEPTH 48 fm 45°/43°F Demock Pt.				
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.69	23.13	0.545	2.07
5	9.80	23.26	0.540	2.06
10	10.62	26.20	0.408	2.37
20	11.12	29.79	0.273	2.47
30	11.19	30.11	0.278	2.38
50	11.21	30.34	0.257	2.74
75	11.20	30.40	0.250	2.95

STA 1114 48° 17.40' N WEATHER o. 18 Nov 53 122° 29.65' W WIND SExE 12 0900 (+8) DEPTH 15 fm 44°/42°F Strawberry Pt., North of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	9.32	21.26	0.523	2.43
2	9.34	21.33	0.522	2.39
5	9.51	22.11	0.502	2.53
10	9.90	24.16	0.443	2.85
20	11.14	30.03	0.250	3.13

STA 1115 48° 21.40' N WEATHER o. 18 Nov 53 122° 33.31' W WIND SExE 12 0950 (+8) DEPTH 6 fm 44°/42°F Goat Island				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	8.72	19.27	0.539	2.43
2	9.08	19.18	0.494	2.67
5	9.48	22.29	0.470	2.80
10	10.70	28.41	0.310	3.11

STA 1116 48° 25.05' N WEATHER o. 18 Nov 53 122° 35.90' W WIND SExE 8 1030 (+8) DEPTH 20 fm 46°/43°F Dewey				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	9.52	26.74	0.446	2.74
5	9.50	27.43	0.438	2.73
10	9.50	27.77	0.436	2.75
20	9.46	28.43	0.431	2.73
30	9.38	29.69	0.429	2.71

STA 1117 48° 15.4' N WEATHER o. 18 Nov 53 123° 03.0' W WIND ESE 28 1500 (+8) DEPTH 94 fm 48°/46°F New Dungeness, Northeast of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	9.72	31.27	0.463	1.86
5	9.72	31.27	0.462	1.80
10	9.71	31.27	0.455	1.82
20	9.46	31.45	0.437	9.96
30	9.40	31.47	0.416	2.02
50	9.32	31.53	0.394	1.99
75	9.29	31.61	0.388	2.10
100	9.27	31.62	0.388	2.10
130	9.18	31.54	0.375	2.11
160	9.11	31.77	0.371	2.19

STA 1118 48° 14.2' N WEATHER c. 18 Nov 53 123° 14.5' W WIND SW 3 1620 (+8) DEPTH 82 fm 49°/46°F New Dungeness, Northwest of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.71	31.18	0.454	1.86
5	9.72	31.18	0.456	1.88
10	9.66	31.16	0.447	1.90
20	9.56	31.19	0.439	1.92
30	9.62	31.21	0.435	2.04
50	9.44	31.26	0.427	2.05
75	9.37	31.27	0.416	2.07
100	9.34	31.42	0.409	2.10
130	9.34	31.49	0.403	2.11

STA 1119 48° 12.0' N WEATHER c. 18 Nov 53 123° 24.1' W WIND W 7 1730 (+8) DEPTH 72 fm 47°/45°F Ediz Hock				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.76	31.24	0.452	1.84
5	9.70	31.26	0.446	1.85
10	9.66	31.26	0.437	1.83
20	9.58	31.29	0.435	1.90
30	9.58	31.28	0.435	1.90
50	9.60	31.35	0.428	1.89
75	9.50	31.38	0.421	2.00
100	9.46	31.41	0.415	2.00
125	9.39	31.45	0.408	2.13

STA 1120 48° 14.74' N WEATHER 62 18 Nov 53 123° 32.50' W WIND WNW 8 1830 (+8) DEPTH 95 fm 48°/46°F Race Rocks				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	10.18	31.24	0.458	1.65
5	10.10	31.24	0.455	1.73
10	9.92	31.25	0.444	1.80
20	9.81	31.26	0.446	1.85
30	9.85	31.29	0.445	1.82
50	9.76	31.32	0.438	1.85
75	9.55	31.35	0.428	2.01
100	9.38	31.39	0.411	2.13
130	9.34	31.46	0.411	2.18
160	8.65	32.19	0.331	2.33

STA 1121 48° 16.38' N WEATHER o. 18 Nov 53 123° 42.12' W WIND NE-N 4 1935 (+8) DEPTH 99 fm 48°/46°F Beechy Head				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	10.40	31.22	0.477	1.51
5	10.34	31.26	0.467	1.56
10	10.28	31.24	0.461	1.62
20	10.08	31.27	0.453	1.73
30	9.90	31.29	0.446	1.84
50	9.44	31.40	0.420	2.05
75	9.37	31.46	0.414	2.05
100	9.19	31.65	0.393	2.20
140	8.62	32.29	0.322	2.36
180	8.04	32.91	0.261	2.62

STA 1122 48° 17.98' N WEATHER o. 18 Nov 53 123° 52.18' W WIND E 8 2040 (+8) DEPTH 95 fm 47°/46°F Otter Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	11.68	30.87	0.534	0.73
5	11.70	30.87	0.534	0.78
10	11.69	30.87	0.537	0.78
20	11.78	30.92	0.534	0.77
30	11.66	31.14	0.511	0.94
50	10.72	31.22	0.464	1.37
75	9.97	31.29	0.445	1.85
100	9.28	31.55	0.393	2.19
130	8.78	32.11	0.338	2.38
160	7.72	33.26	0.237	2.65

STA 1123 48° 18.25' N WEATHER 62 18 Nov 53 124° 02.09' W WIND ESE 12 2145 (+8) DEPTH 103 fm 49°/48°F Pillar Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	11.58	30.83	0.534	0.87
5	11.56	30.81	0.536	0.78
10	11.56	30.81	0.535	0.82
20	11.57	30.81	0.536	----
30	11.44	30.81	0.522	0.93
50	10.92	31.13	0.477	1.29
75	10.03	31.47	0.427	1.74
100	8.96	31.84	0.396	2.00
140	8.30	32.67	0.291	2.20
180	7.60	33.41	0.232	2.46

STA 1124 48° 12.5' N WEATHER c. 19 Nov 53 122° 52.9' W WIND SE 32 0400 (+8) DEPTH 53 fm 47°/47°F Protection Island				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	10.06	31.20	0.470	----
5	10.04	31.20	0.450	----
10	10.04	31.19	0.468	----
20	10.02	31.20	0.465	----
29	10.04	31.22	0.456	----
48	10.00	31.23	0.428	----
65	9.90	31.31	0.431	----
77	9.72	31.36	0.360	----

STA 1125 48° 08.1' N WEATHER 62 19 Nov 53 122° 41.1' W WIND SSE 16 0600 (+8) DEPTH 63 fm 47°/46°F Port Townsend				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	9.94	30.58	0.456	----
10	9.98	30.58	0.452	----
20	9.94	30.60	0.450	----
30	9.89	30.70	0.450	----
50	9.86	30.77	0.450	----
75	9.86	30.74	0.450	----
100	9.86	30.83	0.450	----

STA 1126 48° 01.61' N WEATHER 62 19 Nov 53 122° 37.17' W WIND SE 13 0800 (+8) DEPTH 70 fm 47°/45°F Bush Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	10.35	29.91	0.443	1.80
5	10.32	30.00	0.442	1.65
10	10.28	30.08	0.440	1.75
20	10.11	30.22	0.441	1.70
30	10.08	30.36	0.450	2.01
48	10.04	30.40	0.447	1.92
72	10.02	30.51	0.446	1.93
95	10.03	30.52	0.448	1.87

STA 1127 47° 54.12' N WEATHER 62 19 Nov 53 122° 28.60' W WIND SSE 14 1020 (+8) DEPTH 105 fm 48°/46°F Point No Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	10.40	30.08	0.437	2.14
5	10.44	30.09	0.433	2.20
10	10.42	30.09	0.433	2.18
20	10.42	30.09	0.432	2.17
30	10.42	30.10	0.432	2.17
49	10.47	30.15	0.421	2.10
73	10.44	30.23	0.416	2.03
95	10.36	30.24	0.426	2.18
140	10.22	30.29	0.433	2.21
178	10.20	30.30	0.434	2.20

STA 1128 47° 44.6' N WEATHER 62 19 Nov 53 122° 25.4' W WIND SSE 19 1230 (+8) DEPTH 152 fm 46°/46°F Pt. Jefferson				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	10.52	30.11	0.524	----
5	10.55	30.11	0.445	2.14
10	10.55	30.11	0.443	2.11
20	10.62	30.20	0.416	1.93
30	10.60	30.24	0.415	2.13
50	10.54	30.34	0.403	2.03
75	10.42	30.36	0.403	2.00
100	10.44	30.36	0.404	2.22
150	10.36	30.42	0.406	2.24
188	10.30	30.44	0.406	2.35
220	10.26	30.49	0.397	2.25
240	10.28	30.47	0.394	2.25

STA 1129 47° 34.3' N WEATHER 0. 19 Nov 53 122° 26.5' W WIND SSE 10 1420 (+8) DEPTH 130 fm 50°/47°F Alki Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	10.90	30.28	0.415	2.15
5	10.92	30.27	0.410	2.17
10	10.92	30.27	0.413	2.23
20	10.90	30.27	0.410	2.23
30	10.90	30.27	0.407	2.14
50	10.94	30.38	0.396	2.31
75	10.88	30.36	0.393	2.05
100	10.82	30.44	0.389	2.23
140	10.60	30.48	0.382	2.18
180	10.38	30.49	0.389	2.25
220	10.34	30.48	0.389	2.26

STA 1130 47° 26.5' N WEATHER o. 19 Nov 53 122° 23.6' W WIND S 9 1540 (+8) DEPTH 133 fm 49°/47°F Pully Pt.				
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)	PO ₄ (μg-at/L)
0	10.86	30.17	0.436	2.05
5	10.87	30.22	0.429	1.99
10	10.88	30.22	0.424	2.15
20	10.90	30.22	0.423	2.08
30	10.90	30.21	0.421	2.19
50	10.89	30.26	0.388	2.26
75	10.70	30.42	0.390	2.21
100	10.56	30.45	0.361	2.35
140	10.53	30.49	0.357	2.28
180	10.44	30.48	0.358	2.34
220	10.40	30.49	0.358	2.48

STA 1131 47° 19.3' N WEATHER c. 19 Nov 53 122° 28.0' W WIND S 6 1720 (+8) DEPTH 93 fm 49°/46°F Brown Pt.				
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)	PO ₄ (μg-at/L)
0	10.59	28.92	0.412	----
5	10.95	29.97	0.395	2.34
10	10.97	30.08	0.400	2.44
20	11.00	30.20	0.404	2.39
30	11.02	30.25	0.387	2.34
50	10.98	30.40	0.372	----
75	10.96	30.53	0.347	----
100	10.80	30.55	0.343	2.69
130	10.72	30.54	0.349	----
160	10.51	30.54	0.355	2.71

STA 1132 47° 21.57' N WEATHER b.c. 19 Nov 53 122° 32.40' W WIND Sx E 4 1825 (+8) DEPTH 55 fm 47°/45°F Spring Beach				
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)	PO ₄ (μg-at/L)
0	10.91	30.29	0.379	----
5	10.92	30.29	0.382	2.50
10	10.90	30.31	0.374	2.65
20	10.94	30.31	0.369	2.53
30	10.94	30.34	0.371	----
50	10.94	30.37	0.368	2.53
75	10.92	30.37	0.363	2.55
95	10.92	30.43	0.359	2.66

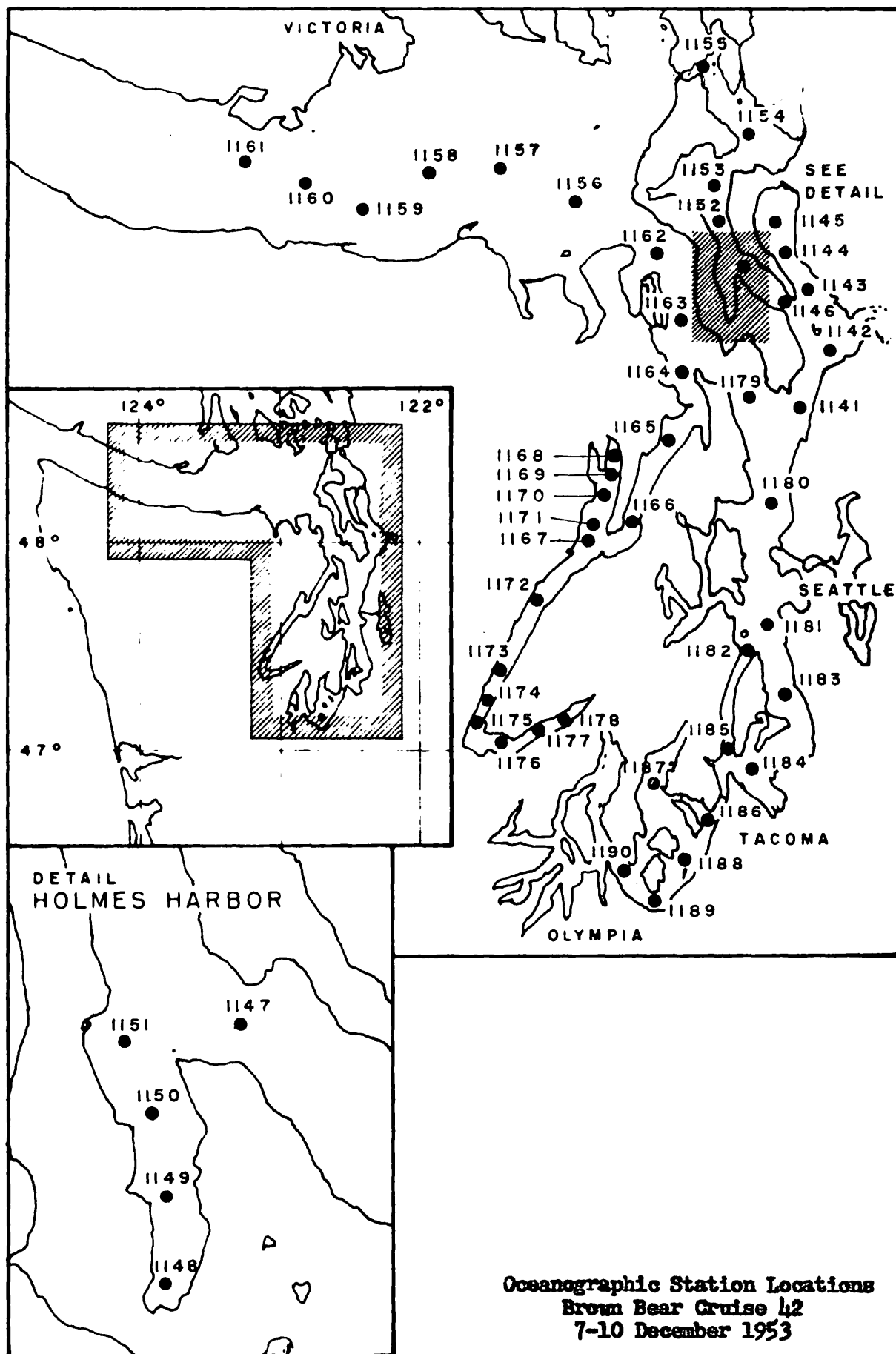
STA 1133 47° 14.72' N WEATHER b.c. 19 Nov 53 122° 34.45' W WIND S 4 2030 (+8) DEPTH 35 fm 48°/45°F Day Island				
Depth (m)	Temp (°C)	Sal (‰)	O ₂ (mg-at/L)	PO ₄ (μg-at/L)
0	11.14	30.09	0.385	2.68
5	11.15	30.09	0.380	2.67
10	11.16	30.10	0.378	2.71
20	11.14	30.09	0.345	2.65
30	11.14	30.09	0.386	2.65
50	11.16	30.11	0.376	2.64

STA 1134 47° 17.0' N WEATHER c. 19 Nov 53 122° 42.6' W WIND SxW 4 2200 (+8) DEPTH 52 fm 47°/45°F Green Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	11.25	29.98	0.456	2.49
5	11.25	29.99	0.450	2.62
10	11.26	29.99	0.419	2.50
20	11.29	30.05	0.399	2.45
30	11.53	30.09	0.371	2.53
40	11.58	30.11	0.362	2.68
60	11.51	30.13	0.359	2.80
85	11.34	30.15	0.351	2.67

STA 1135 47° 10.9' N WEATHER c. 19 Nov 53 122° 37.82' W WIND SxW 9 2330 (+8) DEPTH 90 fm 46°/44°F Gordon Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	11.19	29.91	0.390	2.56
5	11.19	29.90	0.392	2.57
10	11.21	29.91	0.389	2.55
20	11.22	29.88	0.389	2.61
30	11.22	29.89	0.385	2.50
50	11.18	29.91	0.390	2.51
75	11.20	30.04	0.376	2.61
100	11.20	30.11	0.371	2.60
130	11.22	30.11	0.370	2.61
160	11.14	30.17	0.366	2.64

STA 1136 47° 07.2' N WEATHER o. 20 Nov 53 122° 42.6' W WIND SSW 8 0040 (+8) DEPTH 34 fm 48°/46°F Nisqually Reach				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	10.92	26.64	0.458	2.43
5	11.20	29.87	0.387	2.68
10	11.22	29.95	0.385	2.62
20	11.23	29.98	0.382	2.58
30	11.22	29.98	0.383	2.53
60	11.16	30.12	0.375	2.55

STA 1137 47° 10.1' N WEATHER o. 20 Nov 53 122° 47.3' W WIND SSW 9 0130 (+8) DEPTH 50 fm 47°/45°F Devil's Head				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (µg-at/L)
0	11.20	29.67	0.402	2.64
5	11.21	29.64	0.404	2.65
10	11.21	29.64	0.405	2.73
20	11.26	29.74	0.395	2.70
30	11.30	29.77	0.391	2.64
50	11.34	29.89	0.389	2.59
75	11.28	29.98	0.377	2.53



STA 1141 47° 53.5' N WEATHER b.c. 7 Dec 53 122° 21.8' W WIND SWxS 11 1242 (+8) DEPTH 132 fm 42°/40°F Possession Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.03	23.22	0.551	2.24
5	9.91	27.56	0.489	2.34
10	10.06	29.71	0.479	2.51
15	10.12	29.73	0.481	2.53
35	10.03	29.84	0.479	2.42
55	10.18	30.00	0.445	2.44
80	10.58	30.16	0.369	2.48
105	10.61	30.18	0.362	2.57
140	10.75	30.28	0.332	2.59
180	10.82	30.33	0.314	2.62
220	10.83	30.37	0.321	2.75

STA 1142 47° 58.6' N WEATHER c. 7 Dec 53 122° 17.0' W WIND SSE 8 1405 (+8) DEPTH 73 fm 45°/43°F Port Gardner				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	7.13	11.31	0.647	2.35
5	9.72	26.20	0.483	2.22
10	10.14	29.23	0.462	2.71
20	10.11	29.65	0.479	2.61
30	10.10	29.71	0.475	2.51
50	10.08	29.80	0.468	2.53
80	10.70	30.10	0.306	2.41
110	10.80	30.20	0.286	2.53

STA 1143 48° 04.2' N WEATHER b.c. 7 Dec 53 122° 20.1' W WIND SSW 9 1516 (+8) DEPTH 69 fm 42°/39°F Camano Head, East of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	6.66	8.55	0.682	1.82
5	9.81	25.64	0.475	2.44
10	10.20	28.99	0.453	2.56
20	10.54	29.62	0.406	2.56
30	10.72	29.89	0.347	2.60
50	11.03	30.20	0.260	2.59
70	10.95	30.27	0.196	2.76
80	10.98	30.31	0.196	2.80
90	10.94	30.35	0.190	2.85
100	11.14	30.47	0.226	2.85
110	11.16	30.55	0.229	2.95
125	11.10	30.62	0.206	3.56

STA 1144 48° 06.8' N WEATHER c. 7 Dec 53 122° 22.3' W WIND SSW 7 1620 (+8) DEPTH 68 fm 42°/40°F Port Susan, Middle of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	6.86	11.13	0.669	1.82
5	9.89	27.00	0.455	2.55
10	10.61	29.06	0.368	2.55
20	10.70	29.68	0.358	2.58
30	10.91	29.89	0.359	2.52
50	11.03	30.17	0.259	2.61
70	10.97	30.26	0.194	2.70
80	10.96	30.29	0.189	2.82
90	10.92	30.36	0.188	2.91
100	11.14	30.44	0.202	2.91
110	11.15	30.54	0.218	3.13
126	11.10	30.62	0.175	3.91

STA 11145 48° 09.4' N WEATHER b.c. 7 Dec 53 122° 24.3' W WIND S 7 1719 (+8) DEPTH 48 fm 41°/39°F Port Susan, Head of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	6.94	12.36	0.660	1.76
5	7.40	14.11	0.649	1.63
10	10.34	28.49	0.425	2.22
20	10.27	29.41	0.441	2.47
30	10.52	29.78	0.380	2.44
40	10.65	29.91	0.352	2.39
50	10.90	30.02	0.313	2.36
60	11.04	30.16	0.255	2.66
70	11.03	30.23	0.224	2.72
80	11.02	30.26	0.207	2.71
88	11.00	30.31	0.193	2.92

STA 11146 48° 02.5' N WEATHER b.c. 7 Dec 53 122° 22.4' W WIND SE 9 1911 (+8) DEPTH 100 fm 43°/40°F Camano Head, West of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	8.46	22.01	0.573	2.26
5	8.74	23.48	0.544	2.40
10	10.01	26.91	0.462	2.36
20	10.73	29.42	0.418	2.38
30	10.10	29.66	0.463	2.38
50	10.48	30.01	0.406	2.42
75	10.82	30.16	0.350	2.32
100	10.93	30.26	0.314	2.67
125	11.04	30.31	0.287	2.82
150	11.08	30.31	0.279	2.84

STA 11147 48° 06.5' N WEATHER b. 7 Dec 53 122° 29.5' W WIND SE 9 2024 (+8) DEPTH 80 fm 42°/40°F East Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	8.10	21.55	0.592	2.20
5	8.44	23.42	0.570	2.37
10	10.01	26.96	0.436	2.53
20	10.34	29.65	0.425	2.23
30	10.56	29.96	0.389	2.36
50	10.91	30.15	0.314	2.65
75	11.02	30.18	0.290	2.70
100	11.08	30.25	0.272	2.78
130	11.12	30.32	0.260	3.03

STA 11148 48° 01.6' N WEATHER b. 7 Dec 53 122° 31.7' W WIND SxE 12 2140 (+8) DEPTH 21 fm 42°/39°F Holmes Harbor, Head of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	8.64	24.51	0.536	3.02
5	8.96	24.56	0.520	2.38
10	10.86	29.62	0.296	2.75
20	11.04	30.06	0.247	2.85
30	11.10	30.23	0.218	3.09
38	11.11	30.24	0.218	3.40

STA 1149 48° 03.2' N WEATHER b. 7 Dec 53 122° 21.8' W WIND SxE 16 2215 (+8) DEPTH 29 fm 42°/40°F Classic				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	8.68	24.34	0.537	2.39
5	8.70	24.36	0.538	2.40
10	10.15	27.42	0.418	2.43
20	10.94	29.79	0.283	2.73
30	11.04	30.17	0.257	2.54
40	11.08	30.24	0.248	2.92
50.5	11.06	30.28	0.252	2.92

STA 1150 48° 04.9' N WEATHER b. 7 Dec 53 122° 32.2' W WIND SxE 16 2248 (+8) DEPTH 30 fm 42°/40°F Dines Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	8.42	24.20	---	2.19
5	8.50	24.13	---	2.03
10	9.88	26.81	0.427	2.40
20	10.88	29.66	0.303	3.03
30	11.00	30.11	0.275	2.80
40	11.05	30.18	0.265	2.43
50	11.10	30.28	0.244	2.72

STA 1151 48° 06.2' N WEATHER b. 7 Dec 53 122° 33.2' W WIND SxE 12 2325 (+8) DEPTH 35 fm 42°/40°F Greenbank				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	8.61	23.95	0.542	2.12
5	8.66	23.84	0.543	2.66
10	9.12	24.20	0.526	2.43
20	10.83	29.66	0.315	2.66
30	11.06	30.24	0.256	2.74
40	11.08	30.29	0.248	2.89
50	11.05	30.29	0.247	3.04
60	11.08	30.31	0.249	3.15
70	11.09	30.30	0.248	3.02

STA 1152 48° 10.2' N WEATHER 62 8 Dec 53 122° 33.0' W WIND SWxW 20 1215 (+8) DEPTH 53 fm 41°/41°F Onomak Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	8.06	21.56	0.594	2.11
5	8.07	21.76	0.588	2.17
10	9.27	23.46	0.529	2.36
20	10.46	29.59	0.409	2.58
30	10.68	29.83	0.350	2.42
50	10.86	30.06	0.320	2.50
70	11.08	30.24	0.269	2.36
90	11.06	30.32	0.273	2.97

STA 1153 48° 14:0' N WEATHER 62 8 Dec 53 122° 33.1' W WIND SE 16 1300 (+8) DEPTH 47 fm 41°/41°F Demock Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	8.08	22.09	0.598	2.20
5	8.02	22.03	0.598	2.18
10	8.13	22.12	0.591	2.18
20	10.70	29.56	0.350	2.32
30	10.72	29.75	0.350	2.39
50	10.86	29.97	0.295	2.39
75	10.99	30.10	0.247	turbid

STA 1154 48° 18:5' N WEATHER 10 8 Dec 53 122° 29.5' W WIND ESE 19 1410 (+8) DEPTH 10 fm 41°/40°F Strawberry Pt., North of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	7.66	20.30	0.596	2.23
3	7.62	20.30	0.604	2.22
8	8.02	20.88	0.561	2.38
18	9.90	26.20	0.394	2.73

STA 1155 48° 18:5' N WEATHER o. 8 Dec 53 122° 29.5' W WIND SE 12 1526 (+8) DEPTH 20 fm 42°/42°F Dewey				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	8.37	24.13	0.526	2.43
5	9.02	25.60	0.493	2.43
10	8.97	27.12	0.473	2.51
20	8.87	27.73	0.488	2.54
30	8.86	28.31	0.490	2.58

STA 1156 48° 12:8' N WEATHER 61 8 Dec 53 122° 53.6' W WIND SE 12 1810 (+8) DEPTH 45 fm 46°/46°F Protection Island				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.19	30.56	0.499	2.20
5	9.20	30.56	0.496	2.34
10	9.16	30.61	0.493	2.30
20	9.16	30.60	0.490	2.33
30	9.12	30.67	0.488	2.28
50	9.08	31.00	0.474	2.32
70	9.11	31.16	0.461	2.27

STA 1157 48° 15.4' N WEATHER 61 8 Dec 53 123° 03.7' W WIND SSE 8 1934 (+8) DEPTH 94 fm 45°/45°F New Dungeness, Northeast of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.09	30.91	0.494	2.26
5	9.12	30.91	0.490	2.28
10	9.08	30.92	0.489	2.21
20	9.09	30.91	0.489	2.25
30	9.08	30.91	0.487	2.30
50	9.06	31.02	0.474	2.32
75	8.98	31.34	0.448	2.29
100	8.81	31.70	0.414	2.23
130	8.57	32.26	0.366	2.42
160	8.48	32.32	0.365	2.40

STA 1158 48° 14.9' N WEATHER 61 8 Dec 53 123° 15.1' W WIND SE x E 1 2047 (+8) DEPTH 78 fm 45°/45°F New Dungeness, Northwest of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.03	31.03	0.482	2.36
5	9.07	31.01	0.478	2.26
10	9.03	31.04	0.479	2.29
20	9.04	31.05	0.476	2.25
30	9.00	31.04	0.480	2.02
50	9.00	31.08	0.471	2.03
75	8.94	31.47	0.428	1.88
100	8.69	31.87	0.389	2.20
130	8.44	32.47	0.342	2.45

STA 1159 48° 12.4' N WEATHER 63 8 Dec 53 123° 23.7' W WIND SSW 1 2145 (+8) DEPTH 70 fm 48°/46°F Ediz Hook				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	8.99	30.91	0.483	2.30
5	8.99	30.92	0.485	2.27
10	8.97	30.95	0.480	2.30
20	9.00	31.00	0.472	2.29
30	8.99	31.06	0.469	2.24
50	8.93	31.28	0.449	2.21
75	8.90	31.51	0.435	2.21
100	8.74	31.82	0.399	2.27
125	8.62	32.10	0.385	2.37

STA 1160 48° 14.9' N WEATHER 65 8 Dec 53 123° 33.4' W WIND SW x W 8 2249 (+8) DEPTH 98 fm 48°/47°F Race Rocks				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.00	30.99	0.488	2.24
5	9.01	30.99	0.489	2.24
10	8.95	31.05	0.485	1.90
20	8.94	31.07	0.483	----
30	8.95	31.08	0.480	1.87
50	8.96	31.18	0.466	1.91
75	8.97	31.28	0.454	2.20
100	8.92	31.29	0.441	2.30
130	8.90	31.51	0.366	2.14
160	8.79	31.73	0.414	2.36

STA 1161 48° 16.1' N WEATHER 63 9 Dec 53 123° 41.6' W WIND W 36 0018 (+8) DEPTH 103 fm 46°/46°F Beechy Head				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	8.97	31.09	0.489	2.20
5	8.99	31.06	0.485	1.36
10	8.95	31.09	0.486	2.30
20	8.96	31.09	0.483	2.30
30	8.95	31.21	0.466	2.25
50	8.95	31.24	0.466	2.29
75	8.84	31.49	0.436	2.33
100	8.55	32.22	0.364	2.37
140	8.23	32.82	0.314	2.43
180	8.15	32.94	0.301	2.48

STA 1162 48° 07.5' N WEATHER 60 9 Dec 53 122° 41.1' W WIND S 9 0513 (+8) DEPTH 60 fm 49°/48°F Port Townsend				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.12	30.02	0.502	2.40
5	9.12	30.16	0.502	2.45
10	9.07	30.20	0.496	2.28
20	9.09	30.31	0.492	2.44
30	9.08	30.36	0.492	2.26
50	9.14	30.54	0.483	2.39
75	9.20	30.54	0.482	2.33
100	9.13	30.58	0.483	2.38

STA 1163 48° 01.7' N WEATHER o. 9 Dec 53 122° 37.5' W WIND S 13 0602 (+8) DEPTH 66 fm 48°/48°F Bush Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.45	30.03	0.491	2.33
5	9.42	30.02	0.492	2.35
10	9.34	30.09	0.491	2.33
20	9.34	30.16	0.487	2.38
30	9.30	30.18	0.488	2.60
50	9.25	30.36	0.486	2.35
75	9.25	30.49	0.482	2.38
100	9.19	30.62	0.478	2.37

STA 1164 47° 56.0' N WEATHER c. 9 Dec 53 122° 38.7' W WIND E 12 0701 (+8) DEPTH 64 fm 48°/47°F Tala Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.50	29.82	0.495	2.40
5	9.51	29.78	0.497	2.48
10	9.46	29.82	0.491	2.39
20	9.47	29.86	0.491	2.57
30	9.46	29.90	0.491	2.35
50	9.44	29.96	0.486	2.37
75	9.50	29.98	0.488	2.38
100	9.46	30.01	0.486	2.51

STA 1165 47° 50.0' N WEATHER o. 9 Dec 53 122° 40.1' W WIND NNE 9 0820 (+8) DEPTH 38 fm 49°/48°F South Point				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.34	29.49	0.502	2.68
5	9.35	29.47	0.501	2.51
10	9.36	29.61	0.498	2.53
20	9.39	29.77	0.497	2.53
30	9.44	30.02	0.487	2.63
40	9.44	30.06	0.490	2.42
60	9.48	30.05	0.488	2.40

STA 1166 47° 42.2' N WEATHER o. 9 Dec 53 122° 45.8' W WIND NNE 7 0952 (+8) DEPTH 70 fm 49°/47°F Hazel Point				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.23	28.95	0.489	2.55
5	9.29	29.19	0.486	2.55
10	9.48	29.44	0.455	2.62
20	9.74	29.80	0.431	2.59
30	9.71	29.96	0.440	2.50
50	9.94	30.22	0.397	2.60
80	10.19	30.40	0.339	2.75
110	10.21	30.42	0.324	2.75

STA 1167 47° 39.9' N WEATHER o. 9 Dec 53 122° 52.6' W WIND NwW 12 1103 (+8) DEPTH 78 fm 48°/47°F Pleasant Harbor				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.24	28.75	0.484	2.68
5	9.30	28.82	0.482	2.60
10	9.47	28.96	0.474	2.63
20	9.71	29.64	0.421	2.65
30	9.94	30.02	0.347	2.69
40	10.03	30.18	0.364	2.68
60	10.24	30.39	0.333	2.72
79	10.31	30.48	0.306	2.80
99	10.38	30.52	0.292	2.85
124	10.28	30.57	0.278	3.02

STA 1168 47° 49.9' N WEATHER 61 9 Dec 53 122° 48.7' W WIND NwW 20 1247 (+8) DEPTH 23 fm 46°/44°F Dabob Bay, Head of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	8.30	27.31	0.578	2.50
5	8.33	27.31	0.578	2.47
10	9.12	28.89	0.468	2.61
20	9.95	29.91	0.401	2.57
30	10.21	30.26	0.326	2.68
40	10.33	30.33	0.289	2.80
41.5	10.33	30.32	0.289	2.59

STA 1169 47° 46.9' N WEATHER 61 9 Dec 53 122° 48.4' W WIND N 24 1333 (+8) DEPTH 87 fm 44°/42°F Bolton Peninsula, East of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	8.37	27.45	0.578	2.33
5	8.39	27.50	0.566	2.47
10	8.60	27.66	0.410	2.45
20	9.90	29.77	0.562	2.59
30	9.98	30.08	0.391	2.59
40	10.04	30.18	0.376	2.61
60	10.30	30.36	0.307	2.66
79	10.44	30.49	0.254	2.91
98	10.53	30.56	0.218	3.05
118	10.49	30.60	0.250	2.85
128	10.41	30.61	0.251	3.06
138	10.31	30.61	0.263	2.86
148	10.11	30.61	0.276	3.10
160	9.90	30.61	0.251	3.27

STA 1170 47° 44.8' N WEATHER c. 9 Dec 53 122° 49.9' W WIND SW 5 1518 (+8) DEPTH 108 fm 45°/43°F Tabook Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	8.17	26.19	0.588	2.31
5	8.60	27.59	0.571	2.48
10	9.30	28.59	0.498	2.48
20	9.88	29.69	0.415	2.58
30	10.14	30.16	0.352	2.65
50	10.27	30.38	0.308	2.09
75	10.42	30.44	0.290	2.85
100	10.43	30.55	0.280	2.87
120	10.30	30.60	0.298	2.96
140	10.05	30.58	0.258	3.22
150	9.95	30.60	0.241	3.33
160	9.52	30.63	0.183	3.82
170	9.36	30.62	0.155	4.06
180	9.09	30.65	0.102	4.36
193	9.04	30.67	0.072	Turbid

STA 1171 47° 41.9' N WEATHER b.c. 9 Dec 53 122° 51.8' W WIND SW x S 6 1617 (+8) DEPTH 84 fm 46°/44°F Tskutsko Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.04	28.21	0.530	2.55
5	9.03	28.22	0.531	2.51
10	9.07	28.39	0.518	2.43
20	9.65	29.34	0.446	2.50
30	9.94	30.03	0.390	2.68
50	10.14	30.30	0.344	2.69
75	10.38	30.44	0.300	2.73
100	10.38	30.54	0.285	2.69
115	10.28	30.56	0.278	3.04
130	9.52	30.61	0.175	3.91
151	9.12	30.64	0.108	4.46

STA 1172 47° 35.6' N WEATHER b.c. 9 Dec 53 122° 58.4' W WIND N 7 1737 (+8) DEPTH 97 fm 44°/43°F Tekiu Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	8.59	27.29	0.499	2.39
5	8.93	27.66	0.475	2.63
10	9.19	28.57	0.458	2.75
20	9.73	29.38	0.423	2.70
30	9.99	29.97	0.382	2.84
50	10.14	30.33	0.346	2.68
75	10.31	30.44	0.307	2.35
100	10.31	30.50	0.254	2.80
130	10.34	30.54	0.255	3.09
160	10.37	30.57	0.276	2.95

STA 1173 47° 48.7' N WEATHER o. 9 Dec 53 123° 03.9' W WIND SWxs 12 1859 (+8) DEPTH 83 fm 45°/42°F Eagle Creek				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	8.93	27.66	0.474	2.90
5	9.36	28.34	0.444	2.84
10	9.57	29.12	0.407	2.77
20	10.03	30.00	0.349	2.80
30	10.05	30.17	0.326	2.85
40	10.14	30.31	0.300	2.85
50	10.24	30.35	0.303	2.70
75	10.22	30.43	0.262	3.00
100	10.13	30.46	0.215	3.09
125	10.19	30.51	0.218	3.19
150	10.38	30.57	0.245	3.11

STA 1174 47° 25.9' N WEATHER 51 9 Dec 53 123° 06.0' W WIND SW 5 1953 (+8) DEPTH 74 fm 44°/41°F Red Bluff, North of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.20	28.05	0.457	2.74
5	9.64	28.94	0.412	2.82
10	9.96	29.91	0.353	2.82
20	10.09	30.17	0.323	2.88
30	10.04	30.27	0.248	3.08
40	9.86	30.31	0.187	2.80
60	10.06	30.38	0.209	2.94
80	9.98	30.42	0.190	3.33
100	10.14	30.47	0.200	3.29
120	10.25	30.54	0.210	3.23
133	10.30	30.54	0.215	3.25

STA 1175 47° 23.6' N WEATHER o. 9 Dec 53 123° 07.9' W WIND S 4 2056 (+8) DEPTH 61 fm 42°/41°F Musqueti Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.40	28.65	0.405	2.77
5	9.84	29.70	0.373	2.84
10	9.83	29.82	0.344	2.93
20	9.84	30.04	0.277	3.13
30	9.81	30.20	0.209	3.38
40	9.84	30.30	0.183	3.38
60	9.82	30.34	0.151	3.30
80	9.82	30.38	0.149	3.60
100	9.95	30.45	0.165	3.55
110	10.02	30.50	0.167	3.61

STA 1176 47° 21.5' N WEATHER o. 9 Dec 53 123° 03.9' W WIND NE-N 3 2151 (+8) DEPTH 22 fm 42°/40°F Tahuya River				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	8.56	24.40	0.498	3.16
5	8.74	25.80	0.455	3.13
10	9.64	29.53	0.329	3.09
15	9.64	29.89	0.222	3.38
20	9.60	30.04	0.144	3.70
30	9.64	30.20	0.110	3.86
39	9.69	30.24	0.116	3.85

STA 1177 47° 22.4' N WEATHER b.c. 9 Dec 53 122° 59.8' W WIND SxW 14 2236 (+8) DEPTH 22 fm 43°/41°F Lynch Cove, Middle of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	8.11	25.43	0.487	3.05
5	8.58	25.86	0.450	3.36
10	9.33	28.69	0.303	2.58
15	9.63	29.77	0.239	3.09
20	9.59	30.03	0.154	3.66
25	9.58	30.09	0.108	3.74
38	9.67	30.30	0.105	3.95

STA 1178 47° 24.0' N WEATHER b.c. 9 Dec 53 122° 55.9' W WIND WSW 8 2322 (+8) DEPTH --- 43°/41°F Lynch Cove, Head of				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	7.43	23.33	0.578	2.99
5	7.71	23.33	0.548	2.99
10	9.32	28.84	0.234	3.57
14	9.44	29.63	0.132	3.79
18	9.50	29.78	0.051	Turbid

STA 1179 47° 53.9' N WEATHER b.c. 10 Dec 53 122° 28.6' W WIND SSE 8 0639 (+8) DEPTH 110 fm 42°/40°F Point No Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.48	28.56	0.499	2.30
5	9.73	29.44	0.477	2.26
10	9.63	29.52	0.478	2.24
20	9.66	29.62	0.477	2.19
30	9.66	29.70	0.474	2.02
50	9.73	29.85	0.465	2.01
75	9.83	29.88	0.460	2.01
100	9.81	29.93	0.461	1.96
150	9.86	29.96	0.461	1.92
190	9.85	29.97	0.454	1.83

STA 1180 47° 44.8' N WEATHER b.c. 10 Dec 53 122° 25.5' W WIND S 12 0827 (+8) DEPTH 157 fm 42°/41°F Pt. Jefferson				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.04	26.18	0.542	1.74
5	9.70	28.86	0.504	1.96
10	9.77	29.50	0.487	1.74
20	9.82	29.71	0.471	1.63
30	9.83	29.84	0.464	1.72
50	9.91	29.86	0.461	1.55
75	10.02	29.97	0.457	1.84
100	10.16	30.06	0.451	1.91
150	10.23	30.15	0.444	2.12
200	10.26	30.20	0.429	2.02
240	10.29	30.20	0.435	1.98
270	10.29	30.26	0.429	2.04

STA 1181 47° 34.3' N WEATHER b.c.
10 Dec 53 122° 26.5' W WIND SxSE 8
1012 (+8) DEPTH 135 fm 44°/41°F
Alki Pt.

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
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0	10.09	29.73	0.474	2.54
5	10.22	29.86	0.472	2.80
10	10.22	29.97	0.463	2.63
20	10.22	29.98	0.461	2.67
30	10.20	29.98	0.462	2.66
50	10.30	30.08	0.447	2.58
75	10.37	30.09	0.444	2.53
100	10.33	30.08	0.449	2.46
140	10.40	30.25	0.428	2.68
180	10.42	30.31	0.418	2.80
220	10.46	30.26	0.421	2.82

STA 1182 47° 30.6' N WEATHER b.c.
10 Dec 53 122° 29.1' W WIND SSW 8
1109 (+8) DEPTH 61 fm 45°/42°F
Pt. Vashon

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
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0	10.26	29.97	0.448	2.61
5	10.28	29.95	0.451	2.64
10	10.30	29.98	0.444	2.72
20	10.31	29.98	0.444	2.62
30	10.30	29.98	0.443	2.72
50	10.38	30.02	0.438	2.80
75	10.43	30.06	0.438	2.68
100	10.41	30.06	0.433	2.73

STA 1183 47° 26.7' N WEATHER b.c.
10 Dec 53 122° 23.5' W WIND SSW 12
1240 (+8) DEPTH 130 fm 46°/43°F
Pully Pt.

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
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0	9.81	29.25	0.514	2.64
5	9.83	29.25	0.504	2.80
10	9.78	29.24	0.504	2.64
20	9.87	29.53	0.498	2.64
30	9.95	29.64	0.486	2.67
50	10.30	30.08	0.440	2.68
75	10.44	30.24	0.419	2.87
100	10.44	30.24	0.423	2.75
140	10.47	30.27	0.411	2.73
180	10.48	30.27	0.413	2.71
220	10.50	30.26	0.416	2.74

STA 1184 47° 19.3' N WEATHER b.c.
10 Dec 53 122° 27.7' W WIND SSW 11
1425 (+8) DEPTH 95 fm 48°/45°F
Brown Pt.

Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
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0	9.74	27.09	0.485	2.71
5	10.00	28.37	0.474	2.71
10	10.20	29.75	0.460	2.85
20	10.29	29.89	0.450	2.72
30	10.31	30.03	0.453	2.67
50	10.39	30.11	0.435	2.64
75	10.42	30.15	0.438	2.73
100	10.42	30.19	0.429	2.64
130	10.49	30.23	0.424	2.67

STA 1185 47° 21.3' N WEATHER b.c. 10 Dec 53 122° 32.1' W WIND SSW 11 1516 (+8) DEPTH 52 fm 47°/44°F Spring Beach				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	10.33	29.88	0.446	2.79
5	10.37	29.91	0.448	2.85
10	10.32	29.91	0.445	2.76
20	10.32	29.91	0.444	2.71
30	10.32	29.92	0.442	2.86
50	10.35	29.95	0.440	2.55
75	10.35	30.00	0.438	2.75
95	10.37	29.97	0.439	2.70

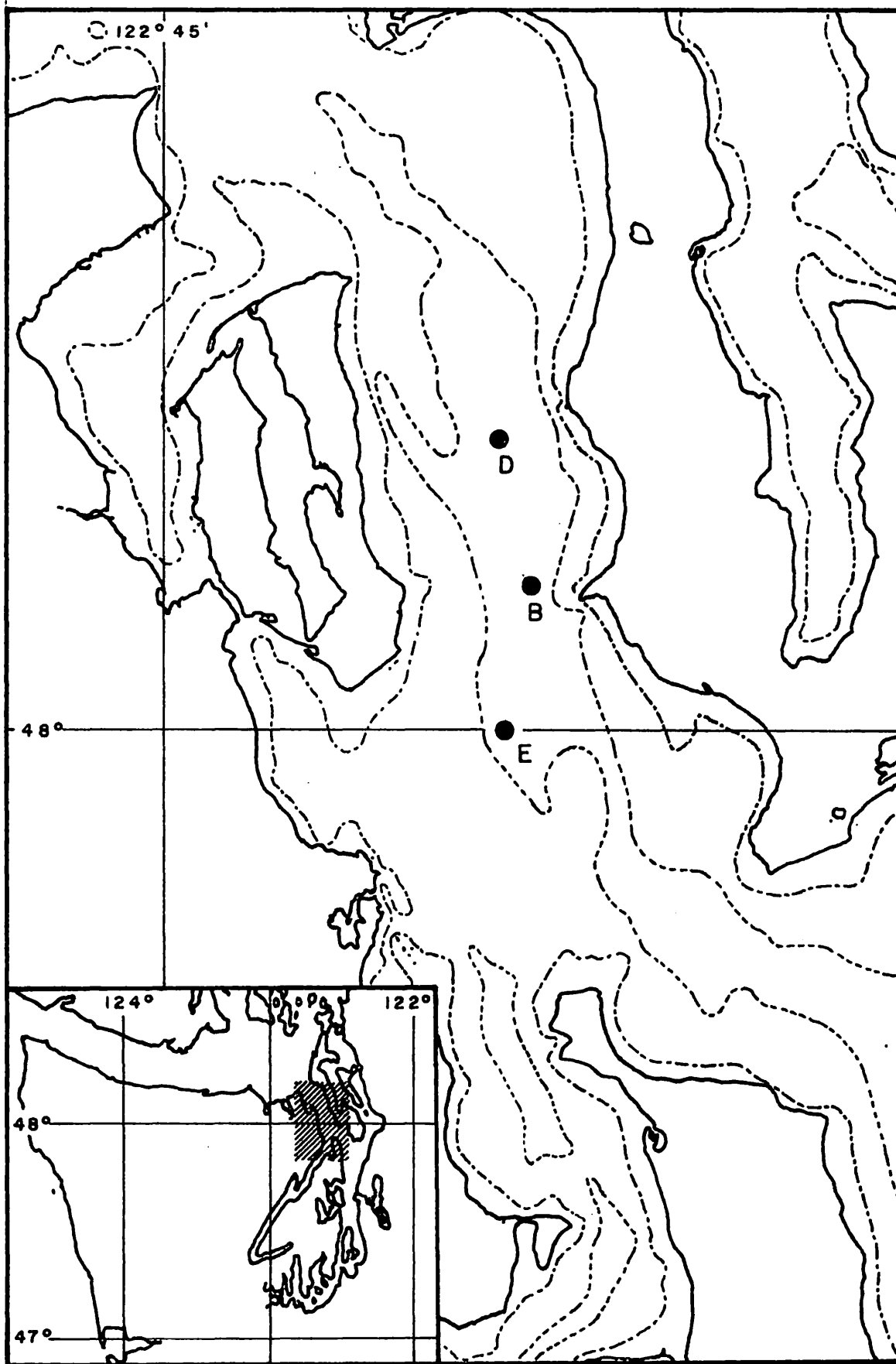
STA 1186 47° 15.0' N WEATHER o. 10 Dec 53 122° 34.4' W WIND SSW 13 1626 (+8) DEPTH 27 fm 47°/44°F Day Island				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	10.32	29.79	0.457	2.69
5	10.38	29.79	0.455	2.77
10	10.32	29.78	0.456	2.87
20	10.32	29.79	0.453	2.69
30	10.34	29.78	0.452	2.81
50	10.32	29.83	0.449	2.66

STA 1187 47° 16.9' N WEATHER o. 10 Dec 53 122° 42.6' W WIND --- 1800 (+8) DEPTH 52 fm 46°/44°F Green Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	10.22	29.64	0.474	2.83
5	10.23	29.64	0.474	2.80
10	10.22	29.73	0.473	2.86
20	10.26	29.78	0.483	2.81
30	10.29	29.84	0.479	2.78
40	10.33	29.85	0.472	2.63
60	10.34	29.86	0.465	2.79
85	10.47	29.90	0.441	2.88

STA 1188 47° 11.0' N WEATHER o. 10 Dec 53 122° 37.8' W WIND SSW 12 1933 (+8) DEPTH 93 fm 46°/43°F Gordon Pt.				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.77	27.21	0.503	2.82
5	10.24	29.42	0.464	3.02
10	10.26	29.64	0.464	2.79
20	10.30	29.70	0.457	2.85
30	10.29	29.70	0.457	2.73
50	10.31	29.75	0.448	2.60
75	10.34	29.78	0.448	2.60
100	10.36	29.81	0.447	2.71
130	10.38	29.82	0.447	2.94
160	10.41	29.87	0.446	2.79

STA 1189 47° 07.1' N WEATHER o. 10 Dec 53 122° 42.2' W WIND Sx E 8 2038 (+8) DEPTH 35 fm 43°/41°F Nisqually Reach				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.38	21.38	-----	3.10
5	10.30	29.42	0.460	2.88
10	10.20	29.53	0.455	2.75
20	10.34	29.79	0.452	2.76
30	10.37	29.83	0.447	2.75
60	10.39	29.88	0.447	2.67

STA 1190 47° 10.1' N WEATHER o. 10 Dec 53 122° 47.4' W WIND SSW 13 2134 (+8) DEPTH 48 fm 44°/42°F Devil's Head				
Depth (m)	Temp (°C)	Sal (°/oo)	O ₂ (mg-at/L)	PO ₄ (ug-at/L)
0	9.79	28.97	0.492	2.68
5	9.83	28.98	0.498	2.76
10	9.90	29.12	0.485	2.68
20	10.11	29.35	0.472	2.67
30	10.26	29.56	0.454	2.75
50	10.31	29.71	0.451	2.66
75	10.32	29.72	0.452	2.79



Oceanographic Station Locations
Brown Bear Cruise 44
21 - 23 December 1953

BROWN DEAR CRUISE 44

22, 23 December 1953

STATION "B"

48° 01.9' N Lat., 122° 37.5' W Long.

Depth 69 fm.

Stat. Time	1192 1013		1195 1212		1198 1356		1201 1531		1204 1717	
Depth (m)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)
0*	8.9	29.5	9.3	29.3	9.3	29.1	9.1	29.0	9.0	29.4
10*	8.9	29.8	9.3	29.3	9.2	29.2	9.1	29.3	8.9	29.4
30	9.00	29.77	9.29	29.43	9.03	29.66	8.92	29.79	8.89	29.95
60	8.97	29.79	8.98	29.78	8.88	30.00	8.88	30.11	8.81	30.10
100	8.80	30.25	8.81	30.15	8.82	30.18	8.81	30.17	8.81	30.15
Stat. Time	1207 1854		1210 2043		1213 2330		1216 0129		1219 0332	
Depth (m)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)
0*	9.0	29.7	9.2	28.2	8.96	26.57	8.99	26.93	9.04	29.50
10*	8.9	29.7	9.1	28.8	9.23	29.06	9.03	27.83	9.06	29.51
30	8.94	29.82	9.05	29.50	9.14	29.42	9.01	29.02	9.05	29.52
60	8.82	30.07	9.03	29.79	9.10	29.51	8.98	29.22	9.02	29.73
100	8.84	30.13	8.90	30.00	8.98	29.90	8.97	29.90	8.99	29.84
Stat. Time	1222 0553		1225 0759		1228 1006		1231 1229			
Depth (m)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)		
0	8.90	29.75	8.71	30.14	8.87	29.74	9.19	28.80		
10	8.90	29.73	8.75	30.14	8.89	29.75	9.13	29.22		
30	8.81	29.88	8.73	30.15	8.84	29.87	8.95	29.38		
60	8.75	30.02	8.72	30.18	8.80	29.91	8.90	29.49		
100	8.76	30.24	8.77	30.18	8.76	30.11	8.87	29.86		

* Values to one decimal place are interpolated from Salinity-Temperature-Depth Recorder values.

BROWN BEAR CRUISE 44

22, 23 December 1953

Station "D"

48° 03.9 N Lat., 122° 38.2' W Long.

Depth 63 fm

Stat. Time	1193 1049	1196 1240	1199 1422	1202 1600	1205 1743					
Depth (m)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)
0*	8.9	28.9	9.2	29.3	9.2	29.4	8.9	29.6	8.9	29.7
10*	9.0	29.1	9.1	29.5	8.9	29.6	9.0	29.6	8.9	29.8
30	8.85	30.01	9.03	29.65	8.85	30.04	8.90	29.89	8.91	29.88
60	8.83	30.11	8.94	29.85	8.82	30.11	8.79	30.12	8.84	30.08
100	8.79	30.21	8.80	30.19	8.81	30.21	8.81	30.18	8.83	30.13

Stat. Time	1208 1913	1211 2107	1214 0000	1217 0209	1220 0414					
Depth (m)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)
0*	9.0	29.6	9.1	27.5	9.00	26.61	8.97	28.38	8.90	29.70
10*	9.0	29.6	9.1	29.3	9.21	28.92	9.10	29.34	8.87	29.72
30	9.02	29.62	9.06	29.43	9.07	29.36	9.09	29.61	8.84	29.95
60	8.82	30.08	9.04	29.70	9.01	29.50	9.08	29.80	8.80	30.02
100	8.83	30.17	8.89	30.02	9.00	29.84	8.89	29.90	8.78	30.35

Stat. Time	1223 0641	1226 0835	1229 1035	1232 1256					
Depth (m)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)			
0	8.74	30.03	8.75	30.08	8.89	29.51	8.90	29.04	
10	8.75	30.03	8.77	30.10	8.96	29.65	9.04	29.05	
30	8.75	30.08	8.74	30.12	8.82	29.88	8.95	29.11	
60	8.75	30.18	8.72	30.20	8.72	30.04	8.87	29.62	
100	8.79	30.18	8.86	30.23	8.78	30.11	8.79	30.09	

* Values to one decimal place are interpolated from Salinity-Temperature-Depth Recorder values.

BROWN BEAR CRUISE 44

22, 23 December 1953

STATION "E"

48° 00.0' N Lat., 122° 38.0' W Long.

Depth 68 fm

Stat. Time	1191 0940		1194 1141		1197 1328		1200 1504		1203 1642	
Depth (m)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)
0*	8.9	29.3	9.1	29.3	9.2	29.2	9.0	27.4	9.0	29.5
10*	8.9	29.4	9.2	29.5	9.2	29.6	9.0	29.5	9.0	29.7
30	8.97	29.58	9.24	29.50	9.10	29.68	8.90	29.79	9.00	29.77
60	8.90	29.91	8.93	29.85	9.00	29.80	8.85	30.04	8.90	29.97
100	8.82	30.31	8.81	30.25	8.82	30.17	8.83	30.24	8.81	30.20
Stat. Time	1206 1829		1209 2014		1212 2244		1215 0055		1218 0250	
Depth (m)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)
0*	9.0	29.4	9.1	28.4	9.03	27.11	8.88	25.88	9.02	28.53
10*	9.0	29.6	9.1	28.9	9.17	28.78	9.31	28.82	9.03	28.60
30	9.01	29.73	9.07	29.52	9.12	29.08	9.21	29.22	9.03	29.48
60	8.83	30.00	9.05	29.67	9.06	29.53	9.19	29.33	9.01	29.80
100	8.82	30.16	9.04	29.84	9.06	29.60	9.19	29.57	8.97	29.93
Stat. Time	1221 0511		1224 0724		1227 0929		1230 1158			
Depth (m)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)	Temp. (°C)	Sal. (‰)		
0	9.03	28.91	8.95	29.25	8.92	29.43	9.16	28.15		
10	9.10	29.52	8.94	29.68	8.89	29.84	9.22	28.50		
30	8.97	29.56	8.83	29.83	8.77	29.97	8.94	29.33		
60	8.91	29.79	8.77	30.08	8.74	30.06	8.86	29.69		
100	8.93	29.89	8.77	30.26	8.78	30.21	8.86	29.94		

*Values to one decimal place are interpolated from Salinity-Temperature-Depth Recorder values.

APPENDIX A

Results of Dissolved Inorganic Phosphate
and Soluble-Silicate Determinations

from BROWN BEAR CRUISE 30

18-22 July 1953

APPENDIX A

Results of Dissolved Inorganic Phosphate and Soluble-Silicate Determinations

STATION 777			STATION 778		
Depth	PO ₄	SiO ₂ -Si	Depth	PO ₄	SiO ₂ -Si
(m)	(ug-at/L)	(ug-at/L)	(m)	(ug-at/L)	(ug-at/L)
0	2.10	30	0	1.96	35
5	1.92	30	5	2.01	30
10	2.15	30	10	2.06	30
20	-----	35	20	2.04	30
30	2.09	40	30	2.33	28
50	2.17	35	50	2.20	30
75	2.24	30	75	2.59	40
95	2.75	47	100	2.78	40
			125	2.75	40
			150	2.72	43
STATION 779			STATION 780		
Depth	PO ₄	SiO ₂ -Si	Depth	PO ₄	SiO ₂ -Si
(m)	(ug-at/L)	(ug-at/L)	(m)	(ug-at/L)	(ug-at/L)
0	1.98	30	0	2.08	40
5	2.16	30	5	2.08	42
10	2.03	35	10	2.21	40
20	2.05	30	20	2.23	40
30	2.07	30	30	2.20	35
50	2.47	30	50	2.47	35
75	2.68	40	75	2.64	35
100	2.77	40	99	2.69	35
140	2.67	45	138	2.84	43
180	2.80	45	177	2.89	40
STATION 781			STATION 782		
Depth	PO ₄	SiO ₂ -Si	Depth	PO ₄	SiO ₂ -Si
(m)	(ug-at/L)	(ug-at/L)	(m)	(ug-at/L)	(ug-at/L)
0	1.96	30	0	2.01	--
5	-----	35	5	1.98	--
10	2.00	35	10	1.95	--
20	-----	38	20	2.16	--
30	2.70	35	30	2.26	--
50	-----	40	50	2.18	--
75	2.52	40	75	2.71	--
100	-----	40	100	2.86	--
			130	2.84	--
			160	2.98	--

APPENDIX A

Results of Dissolved Inorganic Phosphate and Soluble-Silicate Determinations

STATION 783			STATION 784		
Depth	PO ₄	SiO ₂ -Si	Depth	PO ₄	SiO ₂ -Si
(m)	(ug-at/L)	(ug-at/L)	(m)	(ug-at/L)	(ug-at/L)
0	1.97	--	0	2.09	--
5	2.04	--	5	2.19	--
10	1.85	--	10	2.13	--
20	1.93	--	20	2.14	--
30	2.20	--	30	2.26	--
50	2.46	--	50	2.52	--
75	2.46	--	75	2.72	--
100	2.84	--	100	2.86	--
140	2.96	--	130	2.88	--
180	3.13	--	160	2.88	--

STATION 785			STATION 786		
Depth	PO ₄	SiO ₂ -Si	Depth	PO ₄	SiO ₂ -Si
(m)	(ug-at/L)	(ug-at/L)	(m)	(ug-at/L)	(ug-at/L)
0	1.85	--	0	1.83	43
5	1.86	--	5	2.17	26
10	2.01	--	10	2.20	33
20	2.01	--	20	2.18	30
30	2.24	--	30	2.16	28
50	2.25	--	50	2.18	30
75	2.50	--	75	2.29	30
100	2.59	--	100	2.35	32
125	2.69	--	130	2.64	45

STATION 787			STATION 788		
Depth	PO ₄	SiO ₂ -Si	Depth	PO ₄	SiO ₂ -Si
(m)	(ug-at/L)	(ug-at/L)	(m)	(ug-at/L)	(ug-at/L)
0	1.80	20	0	1.91	43
5	1.77	28	5	1.92	40
10	1.77	28	10	1.91	40
20	1.82	33	20	1.94	40
30	2.11	28	30	2.13	40
50	2.15	30	50	2.29	35
75	2.32	30	70	2.29	35
100	2.36	33	85	2.50	35
130	2.56	38			
160	2.59	40			

APPENDIX A

Results of Dissolved Inorganic Phosphate and Soluble-Silicate Determinations

STATION 789			STATION 790		
Depth (m)	PO ₄ (µg-at/L)	SiO ₂ -Si (µg-at/L)	Depth (m)	PO ₄ (µg-at/L)	SiO ₂ -Si (µg-at/L)
0	1.77	25	0	1.77	30
5	1.91	30	5	1.80	28
10	1.91	35	10	1.84	30
20	1.92	35	20	1.92	30
30	1.98	35	30	1.93	25
50	2.26	38	49	2.02	30
			74	2.08	30
			98	2.25	30
STATION 791			STATION 792		
Depth (m)	PO ₄ (µg-at/L)	SiO ₂ -Si (µg-at/L)	Depth (m)	PO ₄ (µg-at/L)	SiO ₂ -Si (µg-at/L)
0	1.44	30	0	1.40	30
5	1.50	30	5	1.54	25
10	1.75	30	10	1.88	30
20	2.16	30	20	1.86	30
30	2.15	30	30	2.19	25
50	2.14	30	50	2.21	20
75	2.16	30	75	2.21	30
100	2.20	30	100	2.33	35
139	2.20	28			
STATION 793			STATION 794		
Depth (m)	PO ₄ (µg-at/L)	SiO ₂ -Si (µg-at/L)	Depth (m)	PO ₄ (µg-at/L)	SiO ₂ -Si (µg-at/L)
0	1.00	30	0	1.73	20
5	1.48	30	5	1.53	25
10	2.02	30	10	1.81	30
19	1.91	28	20	1.93	30
29	2.09	30	30	2.10	30
49	2.20	35	50	2.25	30
73	2.21	30	75	2.49	30
97	2.12	35	100	2.08	30
149	2.11	30			
187	2.35	30			

APPENDIX A

Results of Dissolved Inorganic Phosphate and Soluble-Silicate Determinations

STATION 795			STATION 796		
Depth (m)	PO ₄ (μg-at/L)	SiO ₂ -Si (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	SiO ₂ -Si (μg-at/L)
0	0.76	20	0	0.64	23
5	0.84	25	5	1.05	25
10	1.01	30	10	2.05	30
20	1.94	25	20	2.19	35
30	2.23	35	30	2.49	40
40	2.20	25	50	2.55	40
60	2.34	30	80	2.61	40
			109	2.88	48
STATION 797			STATION 798		
Depth (m)	PO ₄ (μg-at/L)	SiO ₂ -Si (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	SiO ₂ -Si (μg-at/L)
0	0.66	40	0	0.83	30
5	1.12	40	5	1.14	40
10	1.14	35	10	2.15	25
20	2.31	40	20	2.56	40
30	2.47	50	30	2.68	40
50	2.56	50	40	2.73	45
75	2.54	45			
100	2.82	45			
125	2.78	55			
STATION 799			STATION 800		
Depth (m)	PO ₄ (μg-at/L)	SiO ₂ -Si (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	SiO ₂ -Si (μg-at/L)
0	0.71	25	0	1.01	30
5	1.16	30	5	1.01	30
10	1.97	45	10	1.64	30
20	2.37	40	20	2.43	40
30	2.54	45	30	2.64	40
40	2.64	45	50	2.60	40
50	2.56	45	75	2.69	40
75	2.63	45	100	2.77	45
100	2.66	50	140	3.24	50
130	2.83	50	180	3.98	70

APPENDIX A

Results of Dissolved Inorganic Phosphate and Soluble-Silicate Determinations

STATION 801			STATION 802		
Depth (m)	PO ₄ (ug-at/L)	SiO ₂ -Si (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	SiO ₂ -Si (ug-at/L)
0	0.63	--	0	0.64	30
5	1.14	--	5	1.03	30
10	2.01	--	10	2.01	40
20	2.48	--	20	2.48	45
30	2.57	--	30	2.63	45
50	2.66	--	50	2.75	45
75	2.76	--	75	2.73	50
100	2.94	--	100	2.96	50
130	3.25	--	130	3.21	60
			160	3.26	60

STATION 803			STATION 804		
Depth (m)	PO ₄ (ug-at/L)	SiO ₂ -Si (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	SiO ₂ -Si (ug-at/L)
0	1.41	40	0	0.73	45
5	1.16	40	5	----	30
10	1.67	35	10	2.21	40
20	2.50	40	20	2.89	40
30	2.82	45	30	3.05	50
50	2.82	43	40	2.96	45
75	2.87	45	50	2.96	40
100	3.08	45	97	----	48
125	3.44	50			
150	3.64	60			

STATION 805			STATION 806		
Depth (m)	PO ₄ (ug-at/L)	SiO ₂ -Si (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	SiO ₂ -Si (ug-at/L)
0	0.80	45	0	1.42	40
5	0.89	35	5	1.46	38
10	2.85	40	10	1.76	40
20	3.27	45	17	3.86	50
30	3.27	45			

APPENDIX A

Results of Dissolved Inorganic Phosphate and Soluble-Silicate Determinations

STATION 807			STATION 808		
Depth (m)	PO ₄ (µg-at/L)	SiO ₂ -Si (µg-at/L)	Depth (m)	PO ₄ (µg-at/L)	SiO ₂ -Si (µg-at/L)
0	1.10	20	0	0.92	22
10	1.70	23	5	1.08	18
20	1.92	35	10	1.56	30
50	1.92	30	20	1.80	30
100	2.04	30	30	1.98	30
150	1.95	30	50	2.04	--
			100	2.04	--
			150	2.05	--
			200	2.05	--
			240	2.10	--
			270	2.19	--
STATION 809			STATION 810		
Depth (m)	PO ₄ (µg-at/L)	SiO ₂ -Si (µg-at/L)	Depth (m)	PO ₄ (µg-at/L)	SiO ₂ -Si (µg-at/L)
0	0.53	10	0	0.50	8
5	0.61	10	5	1.22	18
10	1.39	25	10	1.48	20
20	1.89	25	20	1.66	22
30	2.03	30	30	1.86	25
50	2.15	35	50	2.08	30
75	2.10	35	75	2.07	35
100	2.10	30	100	2.01	35
140	2.05	30	139	2.08	35
180	2.12	30	179	2.13	35
220	2.22	30	218	2.15	30
STATION 811			STATION 812		
Depth (m)	PO ₄ (µg-at/L)	SiO ₂ -Si (µg-at/L)	Depth (m)	PO ₄ (µg-at/L)	SiO ₂ -Si (µg-at/L)
0	0.66	05	0	0.39	--
5	0.67	05	5	0.61	--
10	1.23	15	10	1.37	--
20	1.46	15	20	2.00	22
30	1.84	25	30	1.45	35
50	1.91	30	50	2.17	40
75	1.93	30	75	2.21	35
100	2.08	30	100	2.27	43
140	2.17	35	130	2.20	40
180	2.17	30	160	2.32	45
220	2.17	35			

APPENDIX A

Results of Dissolved Inorganic Phosphate and Soluble-Silicate Determinations

STATION 813			STATION 814		
Depth (m)	PO ₄ (ug-at/L)	SiO ₂ -Si (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	SiO ₂ -Si (ug-at/L)
0	-----	33	0	-----	54
5	-----	35	5	-----	35
10	-----	37	10	-----	42
20	-----	37	20	1.82	32
50	-----	40	30	1.99	44
			49	2.11	37
			73	2.09	37
			97	2.11	35
			127	2.11	40
			156	2.20	38
STATION 815			STATION 816		
Depth (m)	PO ₄ (ug-at/L)	SiO ₂ -Si (ug-at/L)	Depth (m)	PO (ug-at/L)	SiO -Si (ug-at/L)
0	1.41	80	0	1.77	40
5	1.45	40	5	1.70	35
10	1.46	40	10	1.94	40
19	2.01	37	20	2.00	40
29	2.17	41	30	2.09	40
57	2.21	38	50	2.19	40
			75	2.36	40
STATION 817			STATION 818		
Depth (m)	PO ₄ (ug-at/L)	SiO ₂ -Si (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	SiO ₂ -Si (ug-at/L)
0	1.43	35	0	1.07	30
5	1.82	35	5	1.02	30
10	1.91	35	10	1.33	25
20	2.06	35	20	1.93	25
30	2.14	40	30	1.95	30
40	2.15	35	50	2.03	40
60	2.24	35	75	2.03	40
85	2.41	40	95	2.24	30

APPENDIX A

Results of Dissolved Inorganic Phosphate and Soluble-Silicate Determinations

STATION 819			STATION 820		
Depth (m)	PO ₄ (ug-at/L)	SiO ₂ -Si (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	SiO ₂ -Si (ug-at/L)
0	0.52	10	0	0.30	30
5	1.39	12	4	1.05	18
10	1.21	18	9	1.64	30
20	1.91	28	18	1.92	30
30	1.80	28	27	2.05	40
50	2.06	35	45	2.29	40
75	1.96	35	67	2.17	35
100	2.18	30	90	2.19	35
			126	2.14	33
			173	2.10	33
			206	2.14	30

STATION 821			STATION 822		
Depth (m)	PO ₄ (ug-at/L)	SiO ₂ -Si (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	SiO ₂ -Si (ug-at/L)
0	0.69	28	0	0.84	30
5	1.72	28	5	1.78	30
10	1.93	30	10	2.06	35
20	1.97	30	20	2.02	35
30	2.11	30	30	2.10	35
50	2.18	35	50	2.29	40
80	2.30	45	85	2.42	45
110	2.42	45	118	3.73	65
132	sample dumped				

STATION 823			STATION 824		
Depth (m)	PO ₄ (ug-at/L)	SiO ₂ -Si (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	SiO ₂ -Si (ug-at/L)
0	0.93	25	0	0.61	30
5	1.91	25	5	1.37	30
10	1.95	35	10	2.01	35
20	2.01	35	19	2.06	35
30	2.06	40	29	2.16	35
50	2.39	40	48	2.17	35
85	2.68	40	74	2.33	35
			98	2.25	38
			127	2.34	40
			156	2.30	43

APPENDIX A

Results of Dissolved Inorganic Phosphate and Soluble-Silicate Determinations

STATION 825			STATION 826		
Depth (m)	PO ₄ (μg-at/L)	SiO ₂ -Si (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	SiO ₂ -Si (μg-at/L)
0	0.32	40	0	1.36	40
5	2.08	--	5	2.09	45
10	2.03	35	10	2.13	38
20	2.14	38	20	2.39	45
30	2.29	40	30	2.63	45
49	2.54	50	50	2.93	48
73	2.51	45	75	2.77	50
95	2.59	50			
122	2.59	45			

STATION 827			STATION 828		
Depth (m)	PO ₄ (μg-at/L)	SiO ₂ -Si (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	SiO ₂ -Si (μg-at/L)
0	0.88	65	0	1.30	60
5	1.02	50	2	1.57	60
10	1.36	45	5	1.84	45
20	1.39	45	10	2.24	40

STATION 829			STATION 830		
Depth (m)	PO ₄ (μg-at/L)	SiO ₂ -Si (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	SiO ₂ -Si (μg-at/L)
0	1.72	40	0	1.73	30
5	1.75	40	5	1.73	30
10	2.05	40	10	1.73	30
20	2.15	40	19	1.73	30
30	2.17	40	29	1.73	30
			47	1.73	30
			68	2.10	35

APPENDIX B

Results of Dissolved Inorganic Phosphate

from BROWN BEAR Cruise 32

19-22 August 1953

APPENDIX B

Results of Dissolved Inorganic Phosphate

STATION 848		STATION 849		STATION 850		STATION 851	
Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)
0	2.20	0	1.98	0	2.01	0	1.80
5	1.99	5	2.07	5	1.88	5	1.93
10	2.05	10	2.05	10	2.09	10	1.91
20	2.00	20	-----	20	2.22	20	2.24
30	2.16	30	2.17	29	2.32	30	2.43
50	2.36	50	2.47	49	2.55	50	2.54
75	2.48	75	2.59	73	2.79	75	2.54
95	2.86	100	2.79	97	2.62	100	2.70
		125	3.03	136	2.91	129	2.63
		150	2.98	175	2.85	163	2.68

STATION 852		STATION 853		STATION 854		STATION 855	
Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)
0	1.79	0	1.71	0	1.84	0	1.80
5	1.91	5	1.94	5	1.92	5	1.80
10	1.91	10	2.12	10	2.00	10	1.97
20	2.36	20	2.12	20	2.20	20	1.78
30	2.50	29	2.22	30	2.43	30	2.19
49	2.60	48	2.42	50	2.50	50	2.46
74	2.59	73	2.64	75	2.84	75	2.72
98	2.64	97	2.65	100	2.65	100	2.60
		126	2.77	135	2.86	130	2.59
		155	2.70	170	2.89	160	2.60

STATION 856		STATION 857		STATION 858		STATION 859	
Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)
0	1.82	0	1.45	0	1.74	0	1.98
5	2.00	5	1.88	5	1.81	5	1.99
10	2.16	10	2.08	10	2.05	10	2.09
20	2.23	20	2.25	20	2.14	20	2.14
30	2.37	30	2.28	29	2.26	30	2.32
50	2.53	50	2.48	48	2.38	50	2.36
75	2.64	75	2.64	73	2.52	70	2.51
	2.69	100	2.70	97	2.52	85	2.49
	2.72	130	2.72	126	2.56		
				155	2.45		

APPENDIX B

Results of Dissolved Inorganic Phosphate

STATION 860		STATION 861		STATION 862		STATION 863	
Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)
0	1.78	0	1.80	0	1.72	0	1.33
5	1.92	10	1.99	5	1.78	5	1.52
10	2.06	20	1.92	10	1.85	10	1.73
20	2.28	40	2.12	20	1.96	20	1.82
30	2.32	65	2.32	30	2.08	30	1.87
50	2.30	90	2.43	50	1.98	50	2.02
				75	2.28	74	2.20
				99	2.14	98	2.24
				134	2.32		
				172	2.27		
STATION 864		STATION 865		STATION 866		STATION 867	
Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)
0	0.86	0	0.77	0	0.61	0	0.82
5	1.04	5	1.95	5	0.88	5	0.79
10	1.76	10	2.05	10	2.04	10	2.08
20	1.93	20	2.12	20	2.19	20	2.27
30	1.99	30	2.19	30	2.24	30	2.43
49	2.05	50	2.37	50	2.29	49	2.61
74	2.08	75	2.13	80	2.50	69	2.83
98	2.08	100	2.14	110	2.29	76	2.57
141	2.09	134	2.05	128	2.24	85	2.63
179	2.26	172	2.28			95	2.55
		210	2.09			100	2.66
						105	3.26
						110	4.08
						117	4.42

APPENDIX B

Results of Dissolved Inorganic Phosphate

STATION 868		STATION 869		STATION 870		STATION 871	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	0.93	0	0.94	0	0.67	0	0.65
10	1.89	5	1.26	5	1.91	5	1.37
30	2.43	10	2.10	10	2.23	10	2.54
50	2.62	20	2.57	20	2.29	20	2.58
70	2.84	30	2.49	30	2.42	30	2.63
80	2.70	50	2.90	50	2.61	50	2.64
90	3.05	70	3.04	75	2.70	75	2.68
100	3.20	80	3.04	100	2.52	100	2.68
105	3.40	90	3.10	125	2.54	130	2.68
110	3.55	95	3.11	150	2.48		
115	4.03	100	3.01	166	2.57		
119	4.43	105	3.07				
STATION 872		STATION 873		STATION 874		STATION 875	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	0.54	0	0.61	0	1.09	0	1.89
5	1.68	10	2.89	5	2.60	2	1.97
10	2.56	20	2.65	10	2.84	5	2.52
20	2.68	50	3.18	20	2.80	10	2.91
30	2.63	75	5.15				
50	2.85						
75	3.08						
STATION 876		STATION 877		STATION 878		STATION 879	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	1.45	0	1.91	0	2.12	0	1.63
5	1.76	5	1.86	10	2.07	5	1.73
10	1.82	10	1.88	20	2.09	10	2.01
20	2.17	20	1.93	30	2.20	20	2.13
30	2.16	30	2.17	49	2.13	30	2.19
		50	2.34	71	2.19	50	2.19
		75	2.51	95	2.32	75	2.36
						100	2.42

APPENDIX B

Results of Dissolved Inorganic Phosphate

STATION 880		STATION 881		STATION 882		STATION 883	
Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)
0	1.58	0	1.42	0	0.48	0	0.90
5	1.75	5	1.47	5	0.59	5	0.96
10	2.07	10	1.72	10	1.87	10	2.02
20	2.18	20	2.49	20	2.19	20	2.59
30	2.33	30	2.61	30	2.34	30	2.60
40	2.24	50	2.55	50	2.35	50	2.65
60	2.34	80	2.46	75	2.45	75	2.81
		110	2.47	100	2.51	100	2.79
				125	2.88	130	3.03
						160	3.16

STATION 884		STATION 885		STATION 886		STATION 887	
Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)
0	1.07	0	1.06	0	1.53	0	1.18
5	1.07	5	1.13	5	1.90	5	2.02
10	2.26	10	2.31	10	2.46	10	3.32
20	2.80	20	2.95	15	3.06	15	3.65
30	2.60	30	2.95	20	3.31	20	3.26
50	2.56	50	3.21	25	3.28	25	3.47
75	2.75	60	3.28	30	3.28	30	3.28
100	3.33	70	3.22	35	3.43	35	3.38
125	3.26	80	3.33				
150	3.42	90	3.40				
		100	3.42				
		108	3.57				

APPENDIX B

Results of Dissolved Inorganic Phosphate

STATION 888		STATION 889		STATION 890		STATION 891	
Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)
0	1.58	0	0.84	0	0.70	0	0.71
5	2.85	5	0.96	5	0.82	5	0.87
10	3.83	10	0.91	10	1.66	10	2.58
13	4.17	20	2.44	20	2.84	20	2.91
17	5.10	30	2.84	30	2.85	30	2.79
20	5.56	50	2.87	50	3.02	50	3.05
		75	2.98	75	2.99	75	3.32
		100	2.79	100	3.22	100	3.01
		110	2.75	120	3.34	110	2.84
		120	3.31	130	3.28	120	3.18
		130	3.41	140	3.50	130	3.18
		147	3.94	150	4.01	140	4.11
				160	3.84	150	4.39
				170	3.94	160	4.49
				180	4.16		
				195	4.93		
STATION 892		STATION 893		STATION 894		STATION 895	
Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)
0	0.80	0	1.52	0	1.34	0	1.49
5	0.85	10	2.05	5	1.82	5	1.71
10	2.44	20	2.11	10	2.05	10	2.05
20	2.86	50	2.31	20	2.20	20	2.04
30	2.92	100	2.15	30	2.26	30	2.07
40	3.10	150	2.20	50	2.41	50	2.30
53	3.01			75	2.29	75	2.39
				99	2.27	99	2.31
				149	2.24	138	2.28
				198	2.10	177	2.67
				237	2.38	216	2.39
				266	2.27		

APPENDIX B

Results of Dissolved Inorganic Phosphate

STATION 896		STATION 897		STATION 898		STATION 899	
Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)
0	1.35	0	1.63	0	1.65	0	2.13
5	1.31	5	1.43	5	1.54	5	1.99
10	2.05	10	1.70	10	1.81	10	2.09
20	2.06	20	1.82	20	2.09	20	2.09
29	2.09	30	2.05	30	2.14	30	2.03
48	2.33	50	2.18	50	2.16	55	2.02
72	2.20	75	2.24	75	2.27		
97	2.32	100	2.32	100	2.34		
135	2.30	140	2.33	130	2.33		
174	2.33	180	2.43	160	2.31		
210	2.31	220	2.53				
STATION 900		STATION 901		STATION 902		STATION 903	
Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)
0	1.84	0	1.78	0	1.95	0	1.08
5	1.92	5	1.94	5	2.13	5	1.21
10	2.07	10	1.93	10	1.94	10	1.73
20	2.10	20	2.12	20	2.08	20	2.08
30	2.14	30	1.90	30	2.01	30	2.35
50	2.16	60	2.03	50	2.03	40	2.31
75	2.14			75	2.09	60	2.35
100	2.21					85	2.31
130	2.18					96	2.32
160	2.24						
STATION 904		STATION 905		STATION 906			
Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)		
0	0.54	0	2.03	0	1.95		
5	0.54	5	2.12	5	1.95		
10	1.18	10	2.02	10	2.01		
20	2.10	20	1.88	20	1.94		
30	2.15	30	2.11	30	1.99		
40	2.27	50	2.11	50	2.07		
		75	2.14	75	2.05		
		95	2.18	100	2.16		

APPENDIX C

Results of Dissolved Inorganic Phosphate

from BROWN BEAR Cruise 34

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APPENDIX C

Results of Dissolved Inorganic Phosphate

STATION 969		STATION 970		STATION 971		STATION 972	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	1.59	0	1.75	0	1.90	0	2.04
5	1.56	5	1.80	5	1.90	5	1.92
10	1.94	10	1.80	10	2.12	10	1.99
19	2.14	20	1.90	20	1.98	20	2.16
28	2.17	30	1.96	30	1.94	30	2.18
47	2.25	50	2.01	50	1.99	40	2.24
70	2.21	75	2.02	75	2.12	60	2.28
94	2.18	100	2.06	100	2.09		
141	2.26	150	1.85				
188	2.15	190	1.85				
225	2.22						
253	2.32						
STATION 973		STATION 974		STATION 975		STATION 976	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	1.89	0	1.23	0	1.41	0	1.05
5	1.91	5	1.78	5	1.90	5	1.21
10	2.11	10	2.46	10	2.62	10	----
20	2.45	20	2.72	20	2.97	20	2.70
30	2.24	30	2.72	30	3.00	30	2.65
49	2.19	50	2.55	40	3.09	50	2.67
78	2.34	75	2.48	42.5	3.18	75	2.53
108	2.25	100	2.60			100	2.32
		125	2.72			110	2.57
						117	2.76
						127	3.27
						137	3.20
						149	3.53
						150	3.25

APPENDIX C

Results of Dissolved Inorganic Phosphate

STATION 977		STATION 978		STATION 979		STATION 980	
Depth (m)	PO ₄ (µg-at/L)	Depth (m)	PO ₄ (µg-at/L)	Depth (m)	PO ₄ (µg-at/L)	Depth (m)	PO ₄ (µg-at/L)
0	0.93	0	1.22	0	1.42	0	1.32
5	0.95	5	2.08	5	1.44	5	1.42
10	2.60	10	2.36	10	3.30	10	3.36
20	2.74	20	2.91	13	3.96	15	3.56
30	2.74	30	2.80	18	4.55	20	5.08*
50	2.82	50	2.90			25	4.09*
75	2.64	75	2.70			32	3.75
96	2.75	100	2.78				
100	2.91	110	2.63				
115	3.00	120	2.66				
125	3.16	130	3.13				
135	3.16						
144	3.48						
154	3.79						
163	3.82						
173	3.82						
188	4.58						
STATION 981		STATION 982		STATION 983		STATION 984	
Depth (m)	PO ₄ (µg-at/L)	Depth (m)	PO ₄ (µg-at/L)	Depth (m)	PO ₄ (µg-at/L)	Depth (m)	PO ₄ (µg-at/L)
0	1.48	0	1.48	0	1.87	0	1.73
5	2.83	5	2.90	5	2.39	5	1.71
10	3.58	10	3.62	10	3.48	10	3.52
15	3.63	18	3.62	18	3.73	17	3.47
18	3.64	20	3.65	20	3.49	19	3.41
20	3.68	23	3.65	23	3.54	22	3.44
23	3.60	26	3.50	26	3.50	25	3.44
25	3.65	30	3.23	30	3.45	29	3.29
28	3.75	40	3.51	40	3.56	39	3.26
30	3.70	50	3.51	50	3.46	48	3.15
38	3.74	60	3.36	60	3.33	71	3.13
		70	3.43	70	3.21	90	3.20
		80	3.53	75	3.29	95	3.31
		90	3.67	80	3.35	116	3.56
		100	3.77	85	3.34	144	3.77
		107	3.92	94	3.36	150	4.03
				103	3.55		
				113	3.63		
				142	4.05		

*Silt present

APPENDIX C

Results of Dissolved Inorganic Phosphate

STATION 985		STATION 986		STATION 987		STATION 988	
Depth (m)	PO ₄ (µg-at/L)	Depth (m)	PO ₄ (µg-at/L)	Depth (m)	PO ₄ (µg-at/L)	Depth (m)	PO ₄ (µg-at/L)
0	1.56	0	2.00	0	1.49	0	1.58
5	1.59	5	2.04	5	1.49	5	2.04
9	2.26	10	-----	10	1.86	10	2.16
18	3.27	19	2.23	20	2.27	20	2.72
27	2.92	29	2.25	30	2.35	30	2.75
36	2.95	48	2.46	50	2.40	50	-----
45	3.00	72	2.43	80	2.50	70	2.73
68	3.00	96	2.30	110	2.45	80	2.68
86	3.00	138	2.28	133	2.43	90	3.34
91	2.96	178	2.32			100	2.63
112	3.18	217	2.35			105	2.65
138	3.56					110	2.82
166	3.76					123	2.76

STATION 989		STATION 990		STATION 991		STATION 992	
Depth (m)	PO (µg-at/L)	Depth (m)	PO (µg-at/L)	Depth (m)	PO (µg-at/L)	Depth (m)	PO (µg-at/L)
0	1.62	0	1.77	0	2.31	0	3.66
10	2.11	5	1.79	5	2.30	5	3.74
20	2.73	10	1.88	10	2.51	10	3.75
30	2.84	20	3.01	20	2.66	20	3.86
50	3.02	30	3.02	30	2.62	30	4.48
70	2.69	50	3.01	50	2.68	38	4.57
80	2.73	55	3.09	75	2.58		
90	2.71	60	3.11	100	2.63		
100	2.83	70	3.19	125	2.54		
105	3.03			150	2.52		
110	2.96						
115	3.17						
125	3.12						

APPENDIX C

Determination of Dissolved Inorganic Phosphate

STATION 993		STATION 994		STATION 995		STATION 996	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	2.87	0	2.51	0	1.74	0	1.33
5	2.79	5	2.55	5	1.87	5	1.63
10	3.01	10	2.82	10	2.61	10	2.76
20	2.91	20	2.83	20	2.87	20	3.10
30	3.42	30	2.97	30	2.78	30	2.86
40	3.29	40	2.67	40	2.84	50	2.90
48	3.69	50	2.83	50	2.91	69	3.04
				60	2.92	88	3.03
				62	2.96		
STATION 997		STATION 998		STATION 999		STATION 1000	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	1.07	0	1.91	0	2.03	0	2.15
5	2.03	2	1.95	5	2.04	10	2.20
10	3.01	5	2.79	10	2.06	20	2.19
20	3.07	10	3.16	20	2.71	30	2.20
30	4.04	20	3.31	30	2.76	49	2.18
50	3.07			50	2.76	94	2.31
75	3.09			75	2.72	98	2.28
				100	2.70	141	2.18
				130	2.76	178	2.28
STATION 1001		STATION 1002		STATION 1003		STATION 1004	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	2.12	0	2.07	0	----	0	2.31
5	2.14	5	2.13	5	----	5	2.31
10	2.18	10	1.92	10	----	10	2.33
20	2.19	19	2.10	20	----	20	2.38
30	2.26	29	2.13	30	----	30	2.29
50	2.23	48	2.25	50	----	50	2.41
75	2.26	52	2.24	75	----	75	2.70
100	2.26	72	2.20	100	----	100	2.75
		82	2.26			140	2.83
		96	2.09			180	2.83
		118	2.22				

APPENDIX C

Results of Dissolved Inorganic Phosphate

STATION 1005		STATION 1006		STATION 1007		STATION 1008	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	-----	0	2.44	0	2.44	0	2.45
5	-----	5	2.45	4	2.51	5	2.42
10	-----	10	2.41	8	2.49	10	2.46
20	-----	20	2.45	14	2.50	19	2.47
30	-----	30	2.49	21	2.50	29	2.40
50	-----	50	2.50	35	2.48	48	2.52
75	-----	75	2.59	53	2.43	73	2.58
100	-----	100	2.73	71	2.56	94	2.58
		130	2.85	99	2.59	100	2.57
		160	2.91	134	2.76	130	2.70
						160	2.78
STATION 1009		STATION 1010		STATION 1011		STATION 1012	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	2.43	0	2.40	0	2.40	0	2.52
5	2.37	5	2.43	5	2.37	5	2.50
10	2.82	10	2.39	10	2.43	10	2.47
20	2.55	20	2.41	19	2.43	20	2.50
30	2.62	30	2.46	28	2.47	30	2.53
50	2.55	49	2.46	47	2.47	50	2.52
75	3.16	74	2.51	71	2.48	70	2.55
99	2.67	98	2.53	94	2.52	85	2.68
124	2.57	127	2.62	122	2.63		
				150	2.75		
STATION 1013		STATION 1014		STATION 1015		STATION 1016	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	2.51	0	2.18	0	2.25	0	2.19
5	2.52	5	2.22	5	2.26	5	2.28
10	2.50	10	2.20	10	2.30	10	2.30
20	2.52	20	2.25	20	2.32	20	2.32
30	2.55	30	2.25	30	2.24	30	2.30
50	2.20	50	2.28	50	2.37	50	2.31
		75	2.30	75	2.39	75	2.30
				100	2.38	100	2.35
				130	2.32	140	2.35
				160	2.40	180	2.42
				205	2.44	220	2.45

APPENDIX C

Results of Dissolved Inorganic Phosphate

STATION 1017		STATION 1018		STATION 1019		STATION 1020	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	2.33	0	2.15	0	1.90	0	2.14
5	2.30	5	2.18	5	1.81	5	2.25
10	2.28	10	2.19	10	1.98	10	2.24
20	2.30	20	2.24	20	2.20	20	2.25
30	2.25	30	2.25	30	2.22	30	2.26
50	2.27	50	2.11	50	2.35	50	2.26
75	2.30	75	2.31	75	2.39	75	2.30
100	2.32	100	2.37	100	2.41	95	2.40
		140	2.37	130	2.41		
		180	2.41	160	2.44		
		220	2.41				
STATION 1021		STATION 1022		STATION 1023		STATION 1024	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	2.35	0	1.43	0	1.10	0	2.18
5	2.33	5	2.21	5	1.75	5	2.18
10	2.34	10	2.65	10	2.59	10	2.21
20	2.31	20	2.86	20	2.73	20	-----
30	2.31	30	2.86	30	2.70	30	-----
55	2.33	40	2.76	40	2.26	50	-----
				60	2.14	75	2.22
				85	2.24	100	2.25
				88	2.16	130	2.31
						160	2.34
STATION 1025		STATION 1026					
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)				
0	2.17	0	2.11				
5	2.20	5	2.14				
10	2.23	10	2.15				
20	2.22	20	2.11				
30	2.33	30	2.21				
60	2.28	50	-----				
		75	2.18				

APPENDIX D

Results of Dissolved Inorganic Phosphate

from BROWN BEAR Cruises 35 and 36

16-18, 23-25 October 1953

APPENDIX D

Results of Dissolved Inorganic Phosphate

STATION 1027		STATION 1028		STATION 1029		STATION 1030	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	1.94	0	2.25	0	1.93	0	2.18
5	2.18	5	2.65	5	2.39	5	2.73
10	2.21	10	2.63	10	2.85	10	2.80
20	2.34	20	2.70	20	3.55	20	3.22
30	2.20	30	2.61	30	3.26	30	3.72
49	2.39	50	2.67	50	3.37	50	2.98
73	2.54	70	2.57	70	3.36	70	3.14
98	2.65	90	2.82	79	3.37	79	2.04
137	2.76	110	2.79	89	3.15	89	2.96
176	2.89	135	3.03	98	3.25	98	2.97
210	4.74			103	3.21	103	3.16
				107	3.34	108	2.97
				125	3.91	127	4.05
STATION 1031		STATION 1032		STATION 1033		STATION 1034	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	2.06	0	3.07	0	2.61	0	3.47
5	2.23	5	2.89	5	2.61	5	3.38
10	3.32	10	2.57	10	3.27	10	3.33
20	3.39	20	3.84	20	3.47	20	3.64
30	3.72	30	3.33	29	2.97	30	3.97
50	3.82	50	3.19	48	2.71	37	4.78
60	3.80	75	3.45	72	3.33		
70	3.23	100	3.41	96	3.22		
74	3.92	124	3.33	125	3.43		
		148	3.43				
STATION 1035		STATION 1036		STATION 1037		STATION 1038	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	3.22	0	3.30	0	3.03	0	3.00
5	3.26	5	3.22	5	2.97	5	3.10
10	3.45	10	3.44	10	3.06	10	3.60
20	3.70	20	3.40	20	3.65	20	3.80
30	4.12	30	3.57	30	3.49	30	3.72
40	3.72	40	3.62	40	3.47	50	3.35
45	3.74	50	3.62	50	3.69	69	3.36
52	4.62	55	4.19	60	3.35	88	3.81
				67	3.64		
				72	3.40		
				77	3.67		

APPENDIX D

Results of Dissolved Inorganic Phosphate

STATION 1039		STATION 1040		STATION 1041		STATION 1042	
Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)
0	2.84	0	2.67	0	3.03	0	3.02
5	2.84	2	3.02	2	3.02	5	3.03
10	2.22	5	3.41	5	3.46	10	3.03
20	4.14	10	3.82	10	3.67	20	3.10
30	3.66	20	3.69			30	3.10
49	3.76					50	3.14
69	3.82					85	3.28
						100	3.32
						140	3.44
						180	3.47
STATION 1043		STATION 1044		STATION 1045		STATION 1046	
Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)
0	2.98	0	2.97	0	2.98	0	2.97
5	2.80	5	2.85	5	2.86	5	2.71
10	2.88	10	2.83	10	2.89	10	2.99
20	2.91	20	2.87	20	3.01	20	2.95
30	2.87	30	2.55	30	2.95	30	2.92
50	2.78	50	2.90	50	2.85	50	3.06
75	3.04	75	3.04	75	3.05	75	3.19
100	3.06	100	3.15	100	3.13	100	3.21
130	3.27	140	3.20	130	3.26	130	3.06
160	3.22	180	3.17	175	3.24		
STATION 1047		STATION 1048		STATION 1049		STATION 1050	
Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)
0	2.83	0	2.78	0	2.87	0	2.75
5	2.88	5	2.75	5	2.87	5	2.54
10	2.85	10	2.79	10	2.84	10	2.74
20	2.98	20	2.79	20	2.94	20	2.77
30	3.01	30	2.80	30	3.17	30	2.71
50	3.08	50	2.81	50	3.17	50	2.72
74	3.13	75	2.96	70	2.80		
98	3.18	100	3.00	85	2.74		
127	3.13	129	3.02				
		158	3.04				

APPENDIX D

Results of Dissolved Inorganic Phosphate

STATION 1051		STATION 1052		STATION 1053		STATION 1054	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	2.68	0	2.64	0	2.50	0	2.60
5	2.73	5	2.66	5	2.53	5	2.59
10	2.78	10	2.70	10	2.72	10	2.63
20	2.68	20	2.75	20	2.77	20	2.60
30	2.77	30	2.69	30	2.82	30	2.57
50	2.62	49	2.58	49	2.84	50	2.55
71	2.72	73	2.64	73	2.89	75	2.67
94	2.68	97	2.57	96	2.75	100	2.67
		110	2.80			147	2.70
		145	2.82			185	2.88
STATION 1055		STATION 1056		STATION 1057		STATION 1058	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	2.31	0	2.16	0	2.38	0	2.38
5	2.36	5	1.93	5	2.45	5	2.50
10	2.20	10	2.00	10	2.35	10	2.45
20	2.28	19	2.38	20	2.59	20	2.68
30	2.50	29	2.47	30	2.63	30	2.80
50	2.25	48	2.30	40	2.54	50	2.55
75	2.64	73	2.44	60	2.55	80	2.79
100	2.57	97	2.46			118	2.78
150	2.64						
200	2.64						
240	2.57						
270	2.57						

APPENDIX

Results of Dissolved Inorganic Phosphate

STATION 1059		STATION 1060		STATION 1061		STATION 1062	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	1.10	0	1.58	0	2.04	0	2.01
5	2.66	5	2.52	5	2.85	5	2.21
10	3.65	10	3.35	10	3.47	10	2.91
13	4.11	15	3.70	15	3.60	15	3.31
18	4.20	20	3.53	20	3.47	20	3.45
		25	3.48	25	3.12	25	3.11
		30	4.03	30	3.60	30	3.55
		37	4.05	35	3.82	40	3.63
				41	3.67	50	3.60
						60	3.49
						70	3.57
						90	3.46
						100	3.04
						119	2.50
STATION 1063		STATION 1064		STATION 1065		STATION 1066	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	1.98	0	1.48	0	1.89	0	2.25
5	2.42	5	2.41	5	2.03	5	2.27
10	2.72	10	2.92	10	2.49	10	2.52
15	3.41	15	3.39	20	2.96	20	2.82
20	3.59	20	3.35	30	2.87	30	2.94
30	3.72	30	3.23	50	2.88	50	2.89
40	3.72	40	3.41	60	3.15	75	2.88
50	3.63	50	3.18	85	2.66	100	2.73
60	3.48	75	2.86	115	2.74	125	2.86
80	3.24	100	2.81	145	2.86	140	3.22
100	3.17	125	2.96	165	2.87		
120	3.12	150	2.97				
133	3.25						

APPENDIX D

Results of Dissolved Inorganic Phosphate

STATION 1067		STATION 1068		STATION 1069		STATION 1070	
Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)
0	2.62	0	2.19	0	2.18	0	2.04
5	2.89	5	2.36	5	2.48	5	2.44
10	2.80	10	2.62	10	2.62	10	2.73
20	3.02	20	2.73	20	2.71	20	2.63
30	3.03	30	2.78	30	2.98	30	2.69
40	3.02	50	2.88	50	2.98	50	2.73
47	3.16	70	2.80	75	2.36	75	2.76
		90	2.76	100	2.81	100	2.72
		110	2.86	120	2.97	120	2.95
		120	2.83	130	3.15	130	3.01
		130	3.13	150	3.98	140	3.61
		140	4.19	160	4.57		
		150	4.85	170	4.66		
		159	5.13	180	4.97		
				193	muddy		
STATION 1071		STATION 1072		STATION 1073		STATION 1074	
Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)	Depth (m)	PO ₄ (ug-at/L)
0	2.42	0	2.44	0	2.33	0	2.47
5	2.63	5	2.47	5	2.34	5	2.52
10	2.48	10	2.56	10	2.43	10	2.48
20	2.44	20	2.47	20	2.48	20	2.49
30	2.38	30	2.48	30	2.40	30	2.41
49	2.46	50	2.54	49	2.46	50	2.48
74	2.53	75	2.53	73	2.55	75	2.57
98	2.63	100	2.56	98	2.53	100	2.54
		118	2.45	117	2.52	110	2.57
		187	2.54	192	2.68	180	2.60
				231	2.53	220	2.73
				259	2.74		

APPENDIX D

Results of Dissolved Inorganic Phosphate

STATION 1075		STATION 1076		STATION 1077		STATION 1078	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	2.46	0	2.44	0	2.27	0	2.36
5	2.46	5	2.51	5	2.37	5	2.45
10	2.44	10	2.45	10	2.42	10	2.48
20	2.27	20	2.47	20	2.40	20	2.45
30	2.34	30	2.47	30	2.40	30	2.45
50	2.40	50	2.46	50	2.42	55	2.52
75	2.49	75	2.47	75	2.50		
100	2.50	100	2.50	100	2.52		
140	2.05	140	2.58	130	2.52		
180	2.58	180	2.65	160	2.62		
220	2.56	220	2.69				
STATION 1079		STATION 1080		STATION 1081		STATION 1082	
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)
0	2.42	0	2.09	0	1.92	0	2.36
5	2.36	5	2.29	5	2.26	5	2.51
10	2.37	10	2.40	10	2.37	10	2.66
20	2.33	20	2.33	20	2.32	20	2.45
30	2.33	30	2.44	30	2.14	30	2.54
50	2.44	60	2.44	50	2.22	40	2.52
75	2.43			75	2.45	60	2.53
100	2.42					85	2.62
130	2.40					92.5	2.66
160	2.47						
STATION 1083		STATION 1084		STATION 1085			
Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)	Depth (m)	PO ₄ (μg-at/L)		
0	2.59	0	2.01	0	2.31		
5	2.73	5	2.21	5	2.48		
10	2.76	10	2.33	10	2.33		
20	2.89	20	2.43	20	2.51		
30	2.75	30	2.12	30	2.30		
40	2.69	50	2.38	50	2.44		
		75	2.48	75	2.58		
		95	2.50	100	2.67		