

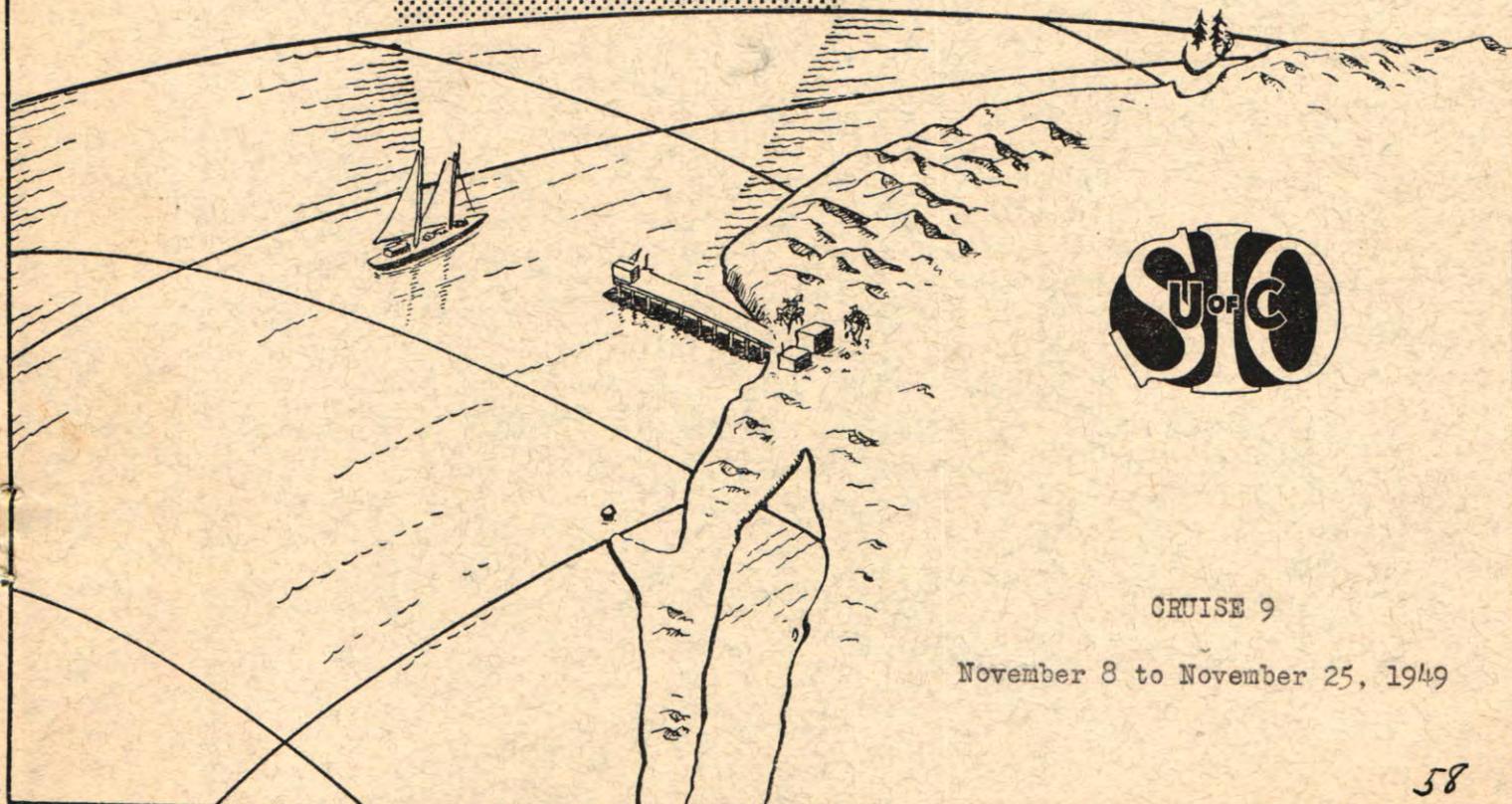
DRAFTING ROOM
NOT CORRECTED

Sept 25, 1950

UNIVERSITY OF CALIFORNIA
SCRIPPS INSTITUTION OF OCEANOGRAPHY

PHYSICAL AND CHEMICAL DATA

MARINE LIFE RESEARCH PROGRAM
DIVISION III, PHYSICAL OCEANOGRAPHY
DIVISION OF CHEMICAL OCEANOGRAPHY



CRUISE 9

November 8 to November 25, 1949

UNIVERSITY OF CALIFORNIA
SCRIPPS INSTITUTION OF OCEANOGRAPHY

PHYSICAL AND CHEMICAL DATA

CRUISE 9 - November 8 to November 25, 1949

MARINE LIFE RESEARCH PROGRAM

Report prepared September 25, 1950

Physical and Chemical Data Report No. 9

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1. MLR Cruise 9. Station Positions
2. Horizontal Distribution of Dynamic Height Anomaly (0 over 1000 d-bar)
Corrected for Tidal Effect
3. Horizontal Distribution of Temperature at the Surface
4. Horizontal Distribution of Salinity at the Surface

The data presented in this report were collected on the ninth full-scale cruise conducted in the Marine Life Research Program. The three ships participating were the MV HORIZON and the MV CREST of the Scripps Institution of Oceanography, and the MV BLACK DOUGLAS of the U. S. Fish and Wildlife Service.

Data are presented in the form of tabulated values at standard depths and of charts of horizontal distributions at the surface. In accordance with the procedure followed in Physical and Chemical Data Reports 7 and 8, only the corrected horizontal distribution of dynamic height anomaly and the uncorrected charts of temperature and salinity at the surface are presented in this report.

On the charts of horizontal distribution a circle is drawn around the station dot if the quantity represented is missing for that station; an 'X' is drawn through the station dot if the value observed does not conform to the field and was not used in drawing the contours.

In the tabulated data extrapolated values are indicated by parentheses. The time given is the time when the messenger was released. When more than one cast was made on a station, each messenger time and each wire angle is given, and the time and the wire angle given first are for the shallow cast. Horizontal lines signify the depth to which each cast reached.

Samples of water taken on stations 601, 603, 605, 607, 701, 703, 705, 707, 709, 802, 804, 808 and 810 for determination of salinity were apparently contaminated. Thus, the salinity values and dynamic computations for these stations are omitted from the tabulated data. The values of salinity given for station 206 also appear erroneous. Because of Nansen bottle pretripping on stations 302, 303, 310, 402, 404, 461 and 605, it was difficult to ascertain depths of observations on these stations. In processing data given in this report and in all previous reports of this series, an effort has been made to correct for pretripping wherever it has occurred.

The original data and the data as modified during various steps in processing are on file with Division III of Physical Oceanography and with the Division of Chemical Oceanography. Copies may be made available. The data are processed on the six standard forms of these divisions.

The presentation of data in these Physical and Chemical Data Reports does not constitute publication, and this information may be subject to modification as the program continues. Results of various phases of the investigations will be published in scientific journals for general distribution.

PERSONNEL

Roger Revelle, Acting Director of the Scripps Institution
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Watters, Ardis H., Typist Clerk
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of Oceanography

Ships' Captains

Joelson, Stanley, MV BLACK DOUGLAS

MLR CRUISE 9
NOV. 8 - NOV. 25, 1949

STATION POSITIONS

- SPECIAL BT CAST
- REGULAR CASTS
- DIRECTION OF TRAVEL ON STATION LINES
- DIRECTION OF TRAVEL BETWEEN STATION LINES

BLACK DOUGLAS

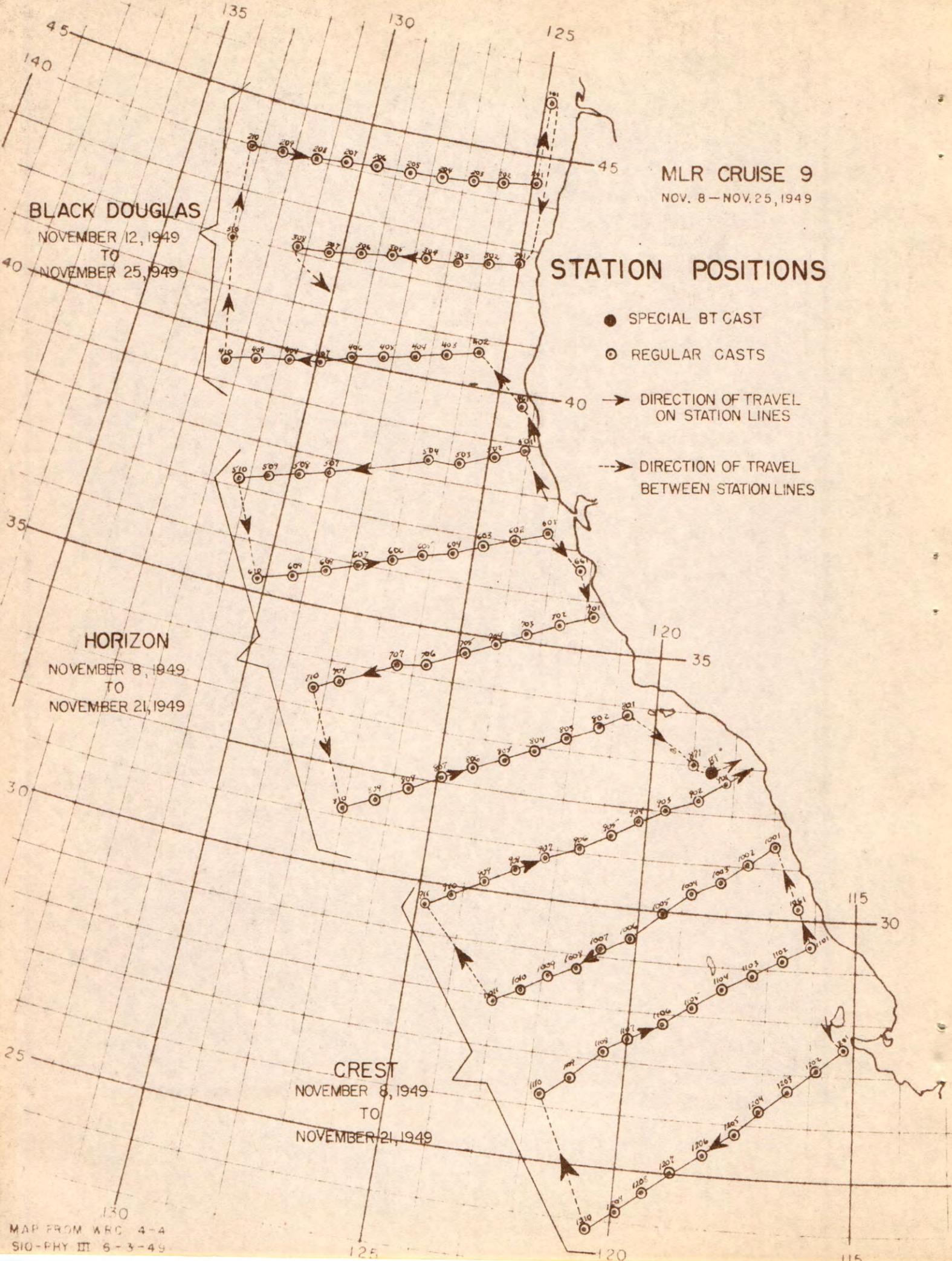
NOVEMBER 12, 1949
TO
NOVEMBER 25, 1949

HORIZON

NOVEMBER 8, 1949
TO
NOVEMBER 21, 1949

CREST

NOVEMBER 8, 1949
TO
NOVEMBER 21, 1949



MLR CRUISE 9

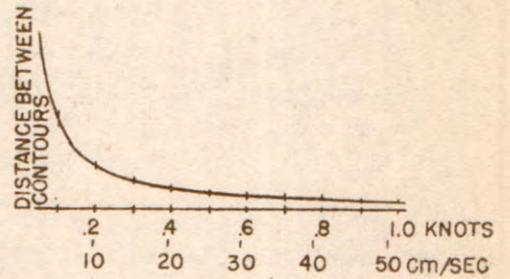
NOV. 8 - NOV. 25, 1949

DYNAMIC HEIGHT ANOMALIES

(0 OVER 1000 DECIBARS)

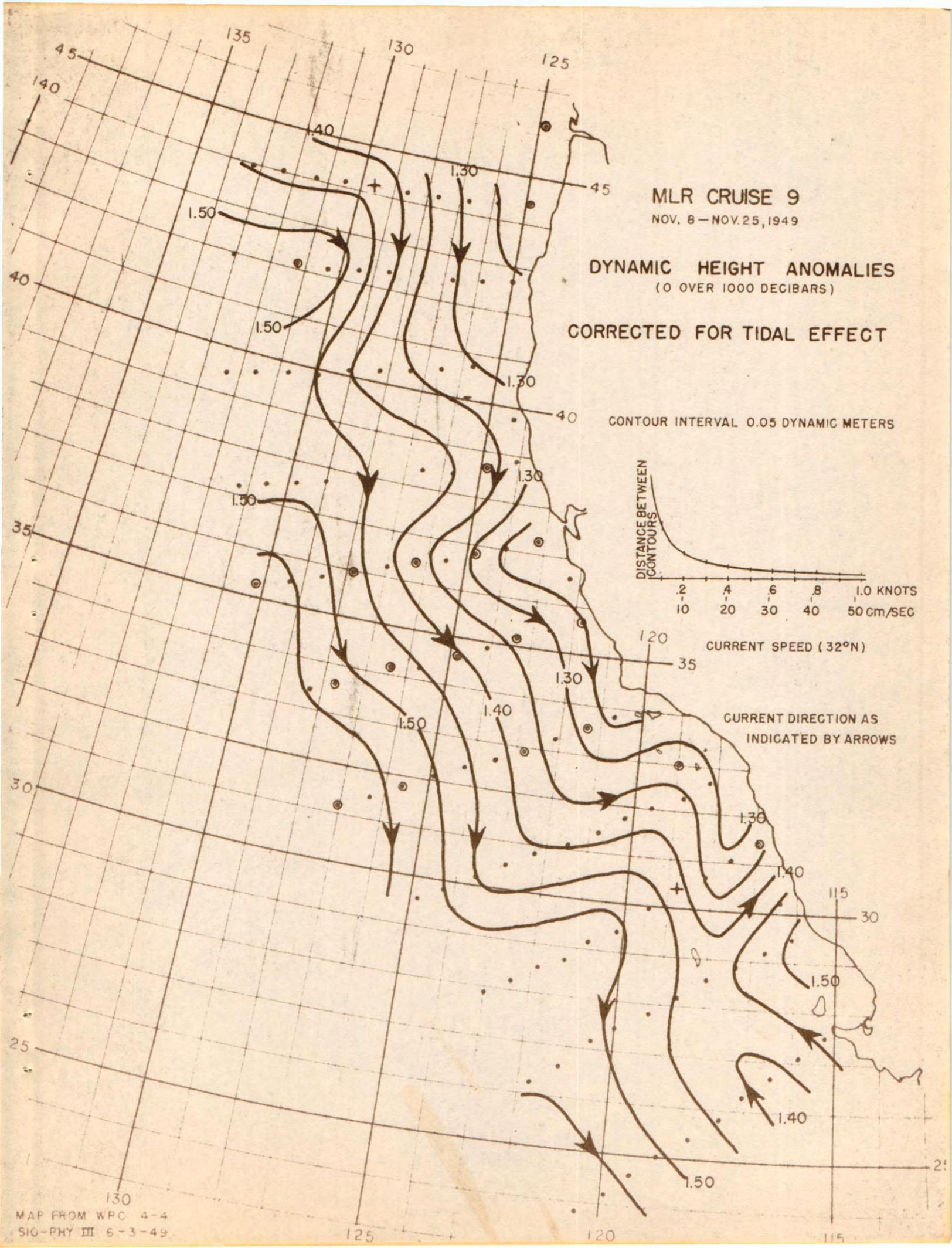
CORRECTED FOR TIDAL EFFECT

CONTOUR INTERVAL 0.05 DYNAMIC METERS



CURRENT SPEED (32°N)

CURRENT DIRECTION AS INDICATED BY ARROWS

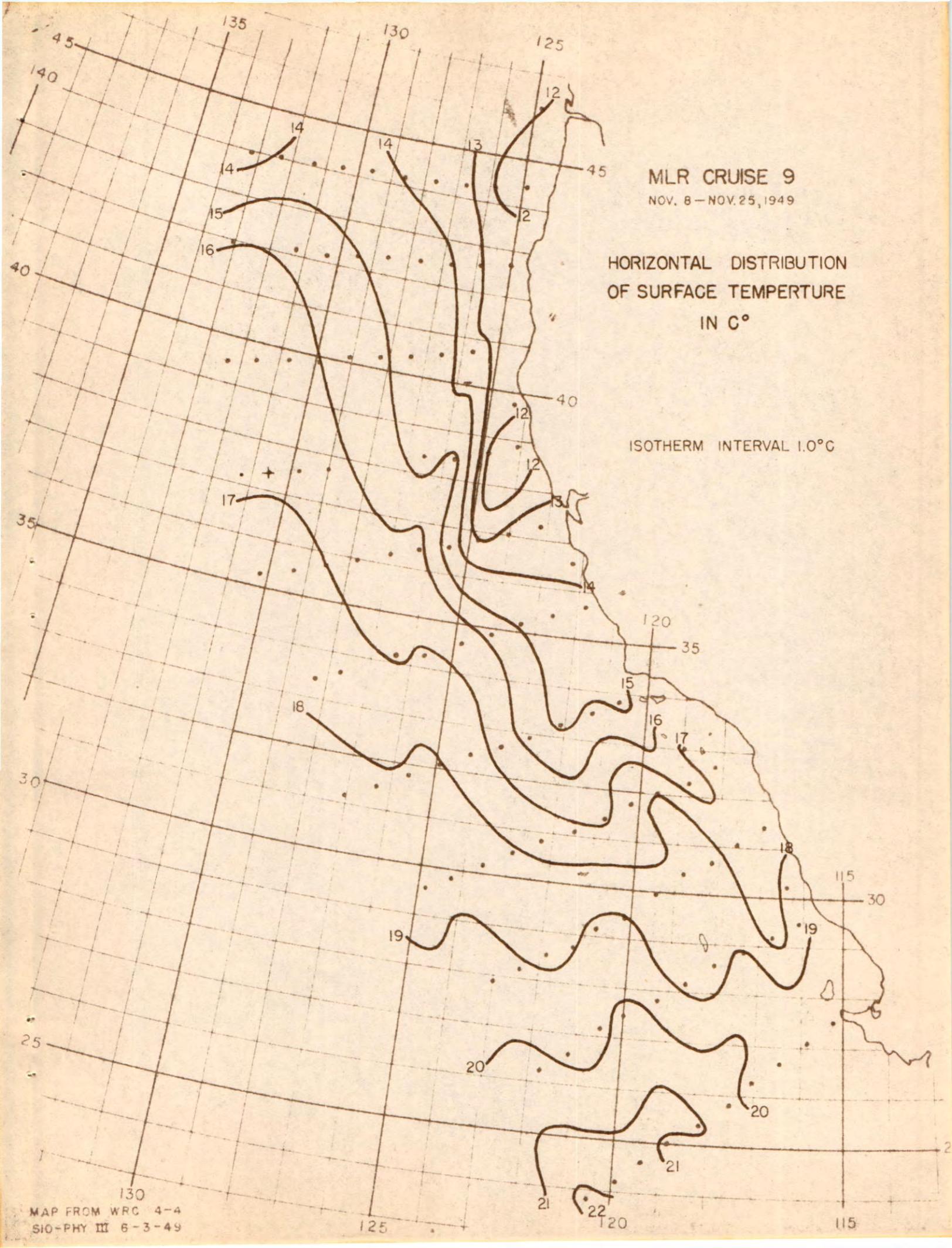


MLR CRUISE 9

NOV. 8 - NOV. 25, 1949

HORIZONTAL DISTRIBUTION
OF SURFACE TEMPERATURE
IN C°

ISOTHERM INTERVAL 1.0°C

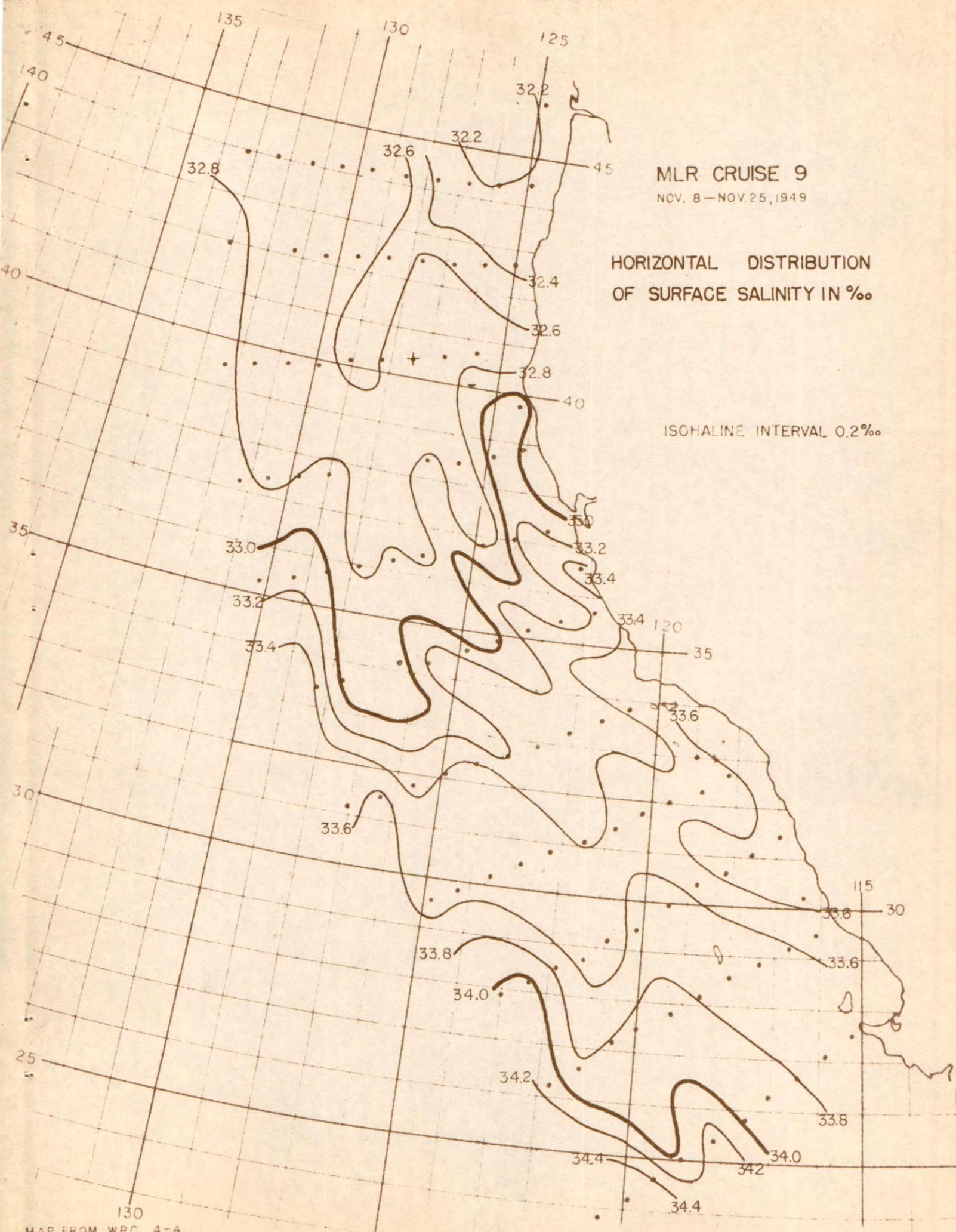


MLR CRUISE 9

NOV. 8 - NOV. 25, 1949

HORIZONTAL DISTRIBUTION
OF SURFACE SALINITY IN ‰

ISOHALINE INTERVAL 0.2‰



STATION 101 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 46°15'N 124°50'W November 21, 1949 0627 GCT Wire angle:
24° Sounding: 405 fms. Depth of observation: 535 m. Weather: cloudy
Sea: very rough Wind: 170°, force 5.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	12.00	32.23	24.47	348.1	.0000	5.96	0.78
10	11.65	32.23	24.53	342.0	.0346	5.83	0.79
20	11.69	32.23	24.52	342.9	.0690	6.01	0.75
30	11.30	32.25	24.61	334.9	.1030	5.94	0.81
50	8.57	32.90	25.56	244.1	.1612	4.14	1.80
75	7.69	33.59	26.23	180.8	.2146	2.97	2.33
100	7.73	33.78	26.38	167.7	.2585	2.18	2.57
150	7.52	33.93	26.53	154.2	.339	1.57	2.81
200	7.37	33.99	26.60	148.3	.416	1.60	2.80
250	6.84	34.03	26.70	139.3	.488	1.55	2.86
300	6.39	34.06	26.78	131.7	.556	1.35	2.94
400	5.87	34.09	26.87	124.0	.685	1.00	3.08
500	5.27	34.13	26.98	114.8	.806	0.77	3.14

STATION 201 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 44°24'N 124°55'W November 20, 1949 1626 GCT Wire angle:
10° Sounding: 315 fms. Depth of observation: 482 m. Weather: overcast
Sea: moderate Wind: 170°, force 2.

0	11.90	32.23	24.49	346.3	.0000	5.79	0.76
10	11.61	32.21	24.52	343.0	.0346	5.87	0.76
20	11.74	32.27	24.54	340.8	.0689	5.96	0.73
30	11.80	32.46	24.68	328.3	.1025	5.96	0.78
50	9.12	33.33	25.82	220.4	.1577	4.57	1.78
75	8.40	33.82	26.31	173.8	.2072	3.27	2.39
100	8.29	33.89	26.38	167.3	.2501	2.78	2.50
150	7.87	33.96	26.50	156.9	.332	2.15	2.65
200	7.74	34.01	26.55	152.3	.410	1.95	2.54
250	7.48	34.03	26.61	147.7	.485	1.77	2.58
300	7.02	34.04	26.68	141.6	.558	1.70	-
400	6.09	34.09	26.85	126.8	.693	1.47	-
500	(5.45)	(34.14)	(26.96)	(116.4)	(.816)	(.84)	-

STATION 202 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 44°20'N 125°50'W November 20, 1949 0921 GCT Wire angle:
0° Sounding: 1,600 fms. Depth of observation: 1,261 m. Weather: overcast
Sea: rough Wind: 140°, force 3.

Depth (m)	T (°C)	S (°/oo)	σ _t (mg/cm ³)	10 ⁵ δ	Δ D (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μg at/L)
0	12.00	32.21	24.45	349.6	.0000	6.15	0.63
10	11.99	32.21	24.45	349.4	.0351	5.83	0.60
20	11.99	32.21	24.45	349.6	.0702	5.82	0.60
30	11.97	32.22	24.47	348.9	.1052	5.81	0.64
50	7.60	32.57	25.45	255.0	.1659	5.50	1.31
75	7.96	33.24	25.92	210.6	.2245	3.54	1.86
100	7.92	33.63	26.23	181.7	.2738	3.09	2.22
150	7.65	33.86	26.45	161.4	.360	2.54	2.43
200	6.97	33.99	26.65	143.0	.437	2.04	2.68
250	6.57	34.07	26.77	132.6	.506	1.69	2.80
300	6.34	34.10	26.82	128.0	.572	1.41	2.86
400	5.72	34.13	26.92	119.4	.697	0.90	2.92
500	5.20	34.19	27.03	109.5	.812	0.56	3.04
600	4.74	34.24	27.12	101.4	.918	0.41	3.18
700	4.31	34.28	27.20	94.3	1.017	0.39	3.24
800	3.97	34.32	27.27	88.3	1.109	0.37	3.28
1000	3.64	34.43	27.39	78.2	1.278	0.40	-

STATION 203 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 44°17'N 126°46'W November 20, 1949 0155 GCT Wire angle:
23° Sounding: 1,600 fms. Depth of observation: 1,143 m. Weather: cloudy
Sea: rough Wind: 120°, force 4.

0	13.43	32.31	24.24	368.3	.0000	5.80	0.47
10	13.36	32.32	24.24	366.5	.0369	5.84	0.45
20	13.30	32.30	24.26	366.9	.0737	5.83	0.45
30	13.22	32.29	24.28	366.5	.1105	5.79	0.52
50	9.10	32.54	25.19	278.7	.1754	5.67	1.16
75	7.70	33.00	25.77	224.8	.2387	5.05	1.60
100	8.00	33.51	26.13	191.6	.2910	3.68	2.12
150	7.70	33.73	26.34	171.7	.382	3.22	2.20
200	6.48	33.94	26.68	140.3	.461	3.06	2.27
250	6.05	33.95	26.74	134.8	.530	2.45	2.53
300	5.74	33.99	26.81	128.8	.597	1.84	2.77
400	5.30	34.08	26.93	117.9	.721	1.05	2.96
500	4.95	34.15	27.03	109.5	.836	0.62	3.05
600	4.64	34.23	27.13	100.9	.942	0.45	3.12
700	4.31	34.29	27.21	93.5	1.040	0.38	3.16
800	4.02	34.34	27.28	87.3	1.131	0.35	3.20
1000	3.63	34.42	27.38	78.7	1.299	0.37	3.22

STATION 204 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 44°14'N 127°42'W November 19, 1949 1847 GCT Wire angle:
8° Sounding: 1,580 fms. Depth of observation: 1,245 m. Weather: partly
cloudy Sea: rough Wind: 100°, force 4.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	13.20	32.31	24.29	364.1	.0000	5.72	0.44
10	13.20	32.32	24.30	363.5	.0365	5.74	0.48
20	13.20	32.34	24.31	362.2	.0730	5.73	0.49
30	13.20	32.37	24.34	360.3	.1092	5.66	0.49
50	9.05	32.56	25.22	276.6	.1732	5.14	1.38
75	7.58	33.13	25.89	213.6	.2349	4.61	1.72
100	8.00	33.62	26.21	183.4	.2848	3.45	2.15
150	7.97	33.83	26.38	168.1	.373	2.84	2.36
200	6.80	33.93	26.62	145.4	.452	3.06	2.25
250	6.17	33.94	26.72	137.0	.523	2.87	2.29
300	5.75	33.95	26.78	131.7	.591	2.15	2.65
400	5.01	34.04	26.94	117.3	.716	1.35	3.02
500	4.62	34.13	27.05	107.1	.830	0.83	3.19
600	4.39	34.23	27.16	98.0	.933	0.47	3.28
700	4.16	34.31	27.24	90.2	1.028	0.35	3.34
800	3.95	34.36	27.30	85.1	1.117	0.33	3.38
1000	3.54	34.42	27.39	77.7	1.281	0.35	3.42

STATION 205 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 44°12'N 128°37'W November 19, 1949 1044 GCT Wire angle:
0° Sounding: 1,500 fms. Depth of observation: 1,244 m. Weather: partly
cloudy Sea: very rough Wind: 090°, force 5.

0	13.90	32.66	24.42	352.1	.0000	5.70	0.55
10	13.88	32.66	24.42	351.9	.0353	5.54	0.48
20	13.89	32.66	24.42	352.3	.0707	5.57	0.49
30	13.90	32.66	24.42	352.8	.1061	5.64	0.52
50	13.70	32.67	24.47	348.5	.1766	5.75	0.55
75	9.45	32.74	25.30	269.5	.2542	5.93	0.99
100	7.92	32.75	25.54	246.8	.3192	5.60	1.15
150	7.44	32.93	25.75	227.9	.439	5.27	1.39
200	7.25	33.71	26.39	167.7	.538	4.21	1.85
250	6.60	33.86	26.60	148.5	.618	3.46	2.02
300	5.95	33.92	26.73	136.5	.690	3.16	2.18
400	5.14	33.94	26.84	126.3	.822	2.17	2.56
500	4.82	34.07	26.98	114.0	.943	1.30	2.87
600	4.58	34.21	27.12	101.6	1.052	0.64	3.15
700	4.27	34.28	27.21	93.9	1.151	0.41	3.28
800	3.93	34.33	27.28	87.3	1.242	0.35	3.32
1000	3.43	34.41	27.40	77.2	1.409	0.36	3.34

STATION 206* (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 44°09'N 129°33'W November 19, 1949 0004 GCT Wire angle: 24° Sounding: 1,580 fms. Depth of observation: 1,251 m. Weather: waterspouts seen Sea: very rough Wind: 070°, force 6.

Depth (m)	T (°C)	S (°/oo)	σ_t (ng/cm^3)	$10^5 \delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P ($\mu\text{g at}/\text{L}$)
0	14.49	32.70	24.33	360.6	.0000	5.45	0.30
10	14.48	32.70	24.33	360.8	.0362	5.64	0.44
20	14.48	32.70	24.33	361.0	.0724	5.65	0.47
30	14.50	32.70	24.33	361.7	.1087	5.65	0.49
50	14.50	32.70	24.33	362.2	.1815	5.65	0.45
75	10.40	32.71	25.12	287.0	.2631	5.86	0.84
100	7.92	32.74	25.53	247.6	.3303	5.92	1.10
150	7.35	32.75	25.62	239.9	.453	6.00	1.20
200	7.38	33.14	25.93	211.6	.567	5.17	1.40
250	7.08	33.63	26.35	172.2	.663	4.26	1.74
300	6.50	33.79	26.56	153.1	.745	3.58	2.05
400	5.62	33.86	26.72	138.2	.892	2.90	2.32
500	5.08	33.91	26.83	128.8	1.027	2.26	2.46
600	4.67	33.97	26.92	120.5	1.152	1.50	2.70
700	4.29	34.00	26.98	114.8	1.271	0.77	3.03
800	3.99	34.04	27.05	109.5	1.385	0.50	3.20
1000	3.62	34.26	27.26	90.5	1.587	0.51	3.19

* Salinity values, and therefore dynamic computations, are not reliable for this station.

STATION 207 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 44°06'N 130°29'W November 18, 1949 1536 GCT Wire angle: 9° Sounding: 1,750 fms. Depth of observation: 1,242 m. Weather: overcast Sea: rough Wind: 010°, force 3.

0	14.47	32.71	24.34	359.5	.0000	5.55	0.48
10	14.47	32.75	24.37	356.9	.0360	5.52	0.45
20	14.47	32.74	24.37	357.7	.0718	5.50	0.46
30	14.45	32.71	24.35	359.9	.1078	5.45	0.48
50	14.43	32.73	24.36	358.7	.1801	5.25	0.46
75	10.15	32.74	25.18	280.8	.2605	6.00	1.12
100	7.73	32.74	25.56	245.0	.3266	5.90	1.20
150	7.75	33.01	25.77	225.8	.445	5.34	1.40
200	7.64	33.83	26.43	164.3	.543	3.15	1.99
250	7.23	33.94	26.58	150.9	.623	2.64	2.18
300	6.69	33.99	26.69	140.6	.696	2.42	2.32
400	5.82	34.05	26.85	126.5	.831	1.53	2.81
500	5.03	34.11	26.99	113.3	.952	1.01	2.08
600	4.48	34.17	27.10	103.5	1.061	0.69	3.22
700	4.17	34.23	27.18	96.3	1.162	0.50	3.22
800	3.97	34.31	27.26	89.0	1.256	0.40	3.20
1000	3.50	34.42	27.40	77.2	1.424	0.35	3.17

STATION 208 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 44°03'N 131°24'W November 18, 1949 0751 GCT Wire angle:
0° Sounding: 1,980 fms. Depth of observation: 1,257 m. Weather: partly
cloudy Sea: very rough Wind: 280°, force 1.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P ($\mu\text{g at/L}$)
0	14.22	32.70	24.39	355.1	.0000	5.32	0.54
10	14.20	32.70	24.39	355.0	.0357	5.40	0.47
20	14.20	32.70	24.39	355.4	.0713	5.45	0.48
30	14.21	32.70	24.39	355.9	.1070	5.52	0.49
50	14.20	32.70	24.39	356.3	.1786	5.63	0.51
75	12.88	32.71	24.67	330.4	.2649	6.07	0.85
100	9.20	32.75	25.35	265.5	.3399	6.02	1.05
150	8.24	32.94	25.64	238.0	.467	5.42	1.32
200	7.56	33.74	26.37	169.7	.569	3.93	1.90
250	6.69	33.86	26.59	149.6	.650	3.24	2.23
300	5.94	33.91	26.72	137.2	.722	2.93	2.43
400	5.04	33.91	26.83	127.3	.855	2.11	2.73
500	4.67	34.01	26.95	116.5	.978	1.12	2.98
600	4.46	34.16	27.09	104.1	1.089	0.60	3.20
700	4.24	34.22	27.16	98.0	1.191	0.40	3.35
800	3.99	34.27	27.23	92.2	1.288	0.31	3.45
1000	3.44	34.40	27.39	78.0	1.460	0.30	3.47

STATION 209 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 44°01'N 132°20'W November 17, 1949 2338 GCT Wire angle:
5° Sounding: 1,940 fms. Depth of observation: 1,240 m. Weather: partly
cloudy Sea: very rough Wind: 280°, force 1.

0	14.08	32.71	24.43	351.7	.0000	5.65	0.64
10	14.07	32.71	24.43	352.0	.0353	5.64	0.64
20	14.05	32.71	24.43	351.7	.0707	5.57	0.64
30	14.04	32.71	24.43	351.8	.1060	5.55	0.66
50	14.03	32.72	24.44	351.4	.1766	5.60	0.70
75	10.15	32.73	25.18	281.5	.2562	5.87	1.08
100	8.48	32.74	25.45	255.5	.3238	5.87	1.26
150	7.47	32.78	25.63	239.0	.448	5.95	1.43
200	6.86	33.60	26.36	170.8	.551	5.02	1.66
250	6.38	33.80	26.58	150.1	.632	4.17	1.95
300	5.96	33.89	26.70	138.8	.705	3.50	2.26
400	5.02	33.96	26.87	123.4	.837	1.94	2.80
500	4.49	34.03	26.99	113.0	.956	1.22	3.12
600	4.06	34.15	27.13	100.2	1.064	0.75	3.26
700	3.75	34.21	27.21	93.2	1.162	0.54	3.33
800	3.58	34.26	27.26	88.4	1.253	0.38	3.36
1000	3.40	34.37	27.37	79.7	1.423	0.31	3.38

STATION 210 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 43°58'N 133°15'W November 17, 1949 1640 GCT Wire angle:
6° Sounding: 2,080 fms. Depth of observation: 1,245 m. Weather: overcast
Sea: high Wind: 270°, force 2.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P ($\mu\text{g at/L}$)
0	13.80	32.68	24.46	348.5	.0000	5.70	0.48
10	13.80	32.67	24.45	349.4	.0350	5.70	0.48
20	13.80	32.67	24.45	349.6	.0701	5.66	0.48
30	13.80	32.66	24.44	350.7	.1053	5.65	0.48
50	13.80	32.66	24.44	351.2	.1758	5.70	0.50
75	10.10	32.80	25.24	275.7	.2546	5.99	0.88
100	8.05	32.78	25.55	246.5	.3203	5.98	1.10
150	6.91	32.85	25.76	226.8	.439	5.80	1.30
200	6.54	33.55	26.36	170.2	.539	5.06	1.48
250	6.25	33.73	26.54	153.7	.621	4.34	1.65
300	5.87	33.78	26.63	145.8	.696	3.89	1.80
400	4.96	33.92	26.85	125.7	.833	3.34	2.15
500	4.43	34.03	26.99	112.4	.953	2.34	2.45
600	4.07	34.09	27.08	104.8	1.063	1.08	2.70
700	3.79	34.15	27.15	98.1	1.165	0.65	2.85
800	3.57	34.22	27.23	91.3	1.261	0.47	2.97
1000	3.24	34.34	27.36	80.3	1.435	0.37	3.07

STATION 301 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 42°40'N 125°00'W November 23, 1949 1057 GCT Wire angle:
12° Sounding: 800 fms. Depth of observation: 1,239 m. Weather: continuous
light rain Sea: rough Wind: 160°, force 2.

0	12.90	32.39	24.41	352.3	.0000	6.05	0.64
10	12.62	32.43	24.51	344.6	.0350	5.93	0.66
20	12.54	32.45	24.52	342.0	.0695	5.87	0.67
30	12.48	32.49	24.56	338.5	.1036	5.82	0.69
50	11.88	32.72	24.88	310.9	.1689	5.63	1.12
75	9.20	33.47	25.91	211.8	.2346	4.90	1.77
100	8.62	33.65	26.14	190.0	.2852	4.01	2.10
150	8.20	33.69	26.24	181.8	.379	3.00	2.38
200	7.55	34.01	26.58	149.4	.462	1.86	2.64
250	7.05	34.06	26.69	139.7	.535	1.62	2.90
300	6.60	34.07	26.76	133.8	.604	1.45	3.04
400	5.97	34.10	26.87	124.6	.734	1.20	3.02
500	5.50	34.16	26.97	115.5	.855	0.91	3.10
600	4.89	34.23	27.10	103.9	.966	0.63	3.23
700	4.53	34.30	27.20	95.4	1.066	0.51	3.24
800	4.27	34.34	27.26	90.3	1.160	0.45	3.24
1000	3.63	34.37	27.34	82.5	1.335	0.46	3.23

STATION 302 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 42°35'N 125°54'W November 23, 1949 1906 GCT Wire angle:
36° Sounding: 1,500 fms. Depth of observation: 1,141 m. Weather: fog
Sea: high Wind: 210°, force 5.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P ($\mu\text{g at/L}$)
0	13.00	32.45	24.44	350.1	.0000	-	-
10	12.92	32.45	24.46	348.8	.0351	-	-
20	12.82	32.45	24.48	347.0	.0700	-	-
30	11.50	32.58	24.82	314.2	.1032	-	-
50	9.13	33.56	25.99	203.5	.1552	-	-
75	8.32	33.60	26.15	189.0	.2046	-	-
100	8.19	33.88	26.39	166.8	.2493	-	-
150	7.80	33.98	26.52	154.5	.330	-	-
200	7.30	34.03	26.64	144.5	.406	-	-
250	6.84	34.07	26.73	136.3	.476	-	-
300	6.41	34.10	26.81	129.0	.543	-	-
400	5.70	34.15	26.94	117.6	.667	-	-
500	5.27	34.20	27.03	109.7	.782	-	-
600	4.89	34.26	27.12	101.7	.889	-	-
700	4.53	34.30	27.20	95.4	.988	-	-
800	4.17	34.35	27.27	88.3	1.081	-	-
1000	3.55	34.41	27.38	78.6	1.250	-	-

STATION 303 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 42°30'N 126°48'W November 24, 1949 0404 GCT Wire angle:
14° Sounding: 1,380 fms. Depth of observation: 1,181 m. Weather: drizzle
Sea: very rough Wind: 180°, force 3.

0	14.12	32.55	24.29	364.2	.0000	5.66	-
10	14.03	32.57	24.32	361.3	.0364	5.85	-
20	14.02	32.57	24.33	361.5	.0727	5.70	-
30	14.01	32.57	24.33	361.8	.1090	5.63	-
50	11.35	32.58	24.85	311.7	.1767	5.84	-
75	6.97	32.75	25.67	233.9	.2453	5.84	-
100	8.40	33.13	25.77	225.5	.3031	5.21	-
150	7.82	34.02	26.55	151.8	.398	2.18	-
200	7.08	34.06	26.69	139.3	.471	1.95	-
250	6.53	34.08	26.78	131.3	.539	1.67	-
300	6.13	34.08	26.83	126.8	.604	1.27	-
400	5.58	34.14	26.95	116.8	.727	0.82	-
500	5.15	34.20	27.05	108.1	.841	0.57	-
600	4.79	34.26	27.13	100.6	.946	0.46	-
700	4.43	34.30	27.21	94.2	1.044	0.40	-
800	4.08	34.34	27.28	88.0	1.136	0.35	-
1000	3.50	34.41	27.39	77.9	1.304	0.40	-

STATION 304 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 42°25'N 127°41'W November 24, 1949 1213 GCT Wire angle: 13° Sounding: 1,560 fms. Depth of observation: 1,200 m. Weather: drizzle Sea: very rough Wind: 200°, force 3.

Depth (m)	T (°C)	S (°/∞)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	14.27	32.70	24.38	356.1	.0000	5.67	-
10	14.26	32.71	24.39	355.7	.0357	5.94	-
20	14.23	32.71	24.39	355.3	.0714	5.86	-
30	14.17	32.71	24.41	354.3	.1070	5.78	-
50	10.18	32.66	25.12	286.6	.1714	5.72	-
75	7.93	32.68	25.49	251.8	.2391	5.74	-
100	7.90	32.72	25.52	248.8	.3021	5.68	-
150	8.45	33.80	26.29	177.2	.409	3.36	-
200	7.64	33.96	26.53	154.5	.493	2.04	-
250	7.22	34.01	26.63	145.6	.568	1.77	-
300	6.87	34.05	26.71	138.8	.640	1.57	-
400	6.11	34.11	26.86	125.6	.773	1.14	-
500	5.48	34.15	26.97	116.1	.895	0.97	-
600	5.04	34.19	27.05	108.8	1.009	0.84	-
700	4.65	34.23	27.13	102.0	1.115	0.75	-
800	4.28	34.26	27.19	96.4	1.215	0.67	-
1000	3.62	34.36	27.34	83.1	1.397	0.56	-

STATION 305 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 42°21'N 128°35'W November 24, 1949 2020 GCT Wire angle: 5° Sounding: 1,800 fms. Depth of observation: 1,258 m. Weather: cloudy Sea: high Wind: 210°, force 4.

0	14.40	32.56	24.24	369.1	.0000	5.91	-
10	14.00	32.48	24.27	367.4	.0370	5.53	-
20	13.99	32.55	24.31	362.3	.0736	5.59	-
30	14.00	32.67	24.41	353.9	.1096	5.61	-
50	12.95	32.94	24.83	314.3	.1767	5.50	-
75	9.51	33.35	25.77	225.4	.2445	4.89	-
100	8.79	33.53	26.02	201.5	.2982	4.09	-
150	8.17	33.67	26.23	182.6	.395	3.43	-
200	7.42	33.83	26.46	161.0	.481	3.19	-
250	6.83	33.96	26.64	144.9	.558	2.75	-
300	6.36	34.02	26.76	134.2	.629	2.07	-
400	5.59	34.05	26.88	123.7	.759	1.36	-
500	5.08	34.07	26.95	117.0	.880	1.16	-
600	4.70	34.14	27.05	108.2	.994	1.00	-
700	4.41	34.22	27.14	99.9	1.099	0.81	-
800	4.18	34.29	27.23	93.0	1.196	0.67	-
1000	3.74	34.37	27.33	83.7	1.375	0.50	-

STATION 306 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 42°16'N 129°29'W November 25, 1949 0340 GCT Wire angle:
25° Sounding: 1,800 fms. Depth of observation: 1,268 m. Weather: overcast
Sea: high Wind: 220°, force 6.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	14.99	32.66	24.19	373.9	.0000	5.48	-
10	14.91	32.66	24.21	372.5	.0375	5.35	-
20	14.88	32.66	24.22	372.3	.0749	5.43	-
30	14.86	32.66	24.22	372.0	.1122	5.48	-
50	13.74	32.66	24.43	351.2	.1849	5.55	-
75	9.42	32.72	25.29	270.6	.2631	6.04	-
100	8.79	32.78	25.44	257.1	.3294	5.64	-
150	7.76	32.89	25.68	234.8	.453	5.63	-
200	7.73	33.58	26.22	184.0	.559	3.60	-
250	6.97	33.58	26.33	174.4	.649	3.28	-
300	6.50	33.58	26.39	168.8	.735	3.21	-
400	5.81	33.62	26.51	158.3	.900	2.87	-
500	5.16	33.96	26.86	126.1	1.044	1.74	-
600	4.65	34.13	27.05	108.5	1.162	0.76	-
700	4.30	34.20	27.14	100.1	1.267	0.52	-
800	4.02	34.23	27.19	95.6	1.366	0.46	-
1000	3.58	34.31	27.30	86.3	1.550	-	-

STATION 307 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 42°11'N 130°22'W November 25, 1949 1227 CCT Wire angle:
5° Sounding: 2,000 fms. Depth of observation: 1,263 m. Weather: partly
cloudy Sea: high Wind: 250°, force 4.

0	15.60	32.70	24.09	383.6	.0000	5.76	-
10	15.25	32.70	24.17	376.4	.0382	5.56	-
20	15.25	32.70	24.17	376.6	.076-	5.46	-
30	15.25	32.69	24.16	377.5	.1138	5.42	-
50	15.25	32.69	24.16	378.0	.1897	5.96	-
75	11.51	32.73	24.94	304.3	.2755	5.99	-
100	8.76	32.76	25.42	258.2	.3463	5.91	-
150	7.73	32.82	25.62	239.8	.472	5.75	-
200	7.51	33.71	26.35	171.2	.575	4.52	-
250	7.29	33.88	26.52	156.2	.657	2.88	-
300	6.90	33.99	26.66	143.6	.733	1.99	-
400	6.10	34.12	26.87	124.6	.868	1.20	-
500	5.52	34.14	26.95	117.2	.990	0.84	-
600	4.97	34.17	27.04	109.3	1.104	0.65	-
700	4.48	34.23	27.15	99.9	1.210	0.52	-
800	4.11	34.30	27.24	91.3	1.307	0.44	-
1000	3.57	34.39	27.37	80.2	1.480	0.39	-

STATION 308 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 42°06'N 131°16'W November 25, 1949 2124, 2012 GCT Wire angle: 30°, 48° Sounding: 2,200 fms. Depth of observation: 174, 846 m. Weather: cloudy Sea: high Wind: 220°, force 6.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	10 ⁵ s	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (µg at/L)
0	15.20	32.75	24.22	371.6	.0000	-	-
10	14.96	32.74	24.26	367.5	.0371	-	-
20	14.95	32.74	24.26	367.5	.0740	-	-
30	14.95	32.74	24.26	367.9	.1109	-	-
50	14.94	32.74	24.27	368.2	.1849	-	-
75	11.75	32.80	24.95	303.4	.2693	-	-
100	9.22	32.83	25.41	259.9	.3402	-	-
150	7.65	32.88	25.68	234.2	.465	-	-
200	7.29	33.49	26.21	184.6	.570	-	-
250	7.11	33.80	26.48	159.8	.657	-	-
300	6.60	33.89	26.62	147.0	.734	-	-
400	5.63	33.98	26.81	129.4	.873	-	-
500	4.86	34.03	26.95	117.3	.998	-	-
600	4.42	-	-	-	-	-	-
700	4.14	-	-	-	-	-	-
800	3.93	-	-	-	-	-	-
1000	(3.48)	-	-	-	-	-	-

STATION 310 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 41°57'N 133°03'W November 16, 1949 0831 GCT Wire angle: 21° Sounding: 2,250 fms. Depth of observation: 1,126 m. Weather: intermittent slight rain Sea: high Wind: 160°, force 7.

0	15.95	32.82	24.10	382.3	.0000	5.65	0.48
10	15.33	32.84	24.26	368.2	.0377	5.36	0.52
20	15.32	32.83	24.25	368.7	.0747	5.40	0.49
30	15.31	32.83	24.25	368.8	.1117	5.42	0.49
50	15.33	32.84	24.26	369.0	.1858	5.40	0.52
75	11.45	32.82	25.02	296.6	.2695	5.59	0.72
100	9.82	32.81	25.29	270.8	.3409	5.65	0.82
150	7.86	32.94	25.70	232.6	.468	5.57	1.34
200	7.62	33.33	26.04	201.2	.577	5.08	1.57
250	7.09	33.63	26.35	172.2	.671	4.50	1.81
300	6.35	33.80	26.58	150.4	.752	3.99	2.05
400	5.32	33.86	26.76	134.3	.896	3.07	2.49
500	4.62	33.88	26.85	125.7	1.027	2.43	2.82
600	4.25	33.95	26.95	117.3	1.149	1.98	2.96
700	4.00	34.06	27.06	107.1	1.263	1.57	3.02
800	3.77	34.19	27.19	95.7	1.365	1.20	3.05
1000	3.35	34.39	27.39	77.7	1.540	0.64	-

STATION 402 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 40°41'N 125°41'W November 12, 1949 2255 GCT Wire angle: 37° Sounding: 1,650 fms. Depth of observation: 928 m. Weather: partly cloudy Sea: very rough Wind: 140°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P ($\mu\text{g at/L}$)
0	13.39	32.72	24.57	337.7	.0000	5.19	0.68
10	13.19	32.72	24.61	334.0	.0337	5.01	0.83
20	13.08	32.72	24.64	332.3	.0672	5.36	0.80
30	12.63	32.75	24.75	321.9	.1000	5.37	0.94
50	9.18	33.06	25.59	241.4	.1566	5.17	1.32
75	8.37	33.14	25.78	223.9	.2151	5.00	1.65
100	8.24	33.30	25.93	210.6	.2698	4.65	1.86
150	7.53	33.80	26.42	164.1	.364	3.64	2.18
200	6.93	33.98	26.65	143.3	.441	2.77	2.46
250	6.41	34.02	26.75	134.2	.511	2.00	2.69
300	5.69	34.05	26.86	123.7	.576	1.56	2.86
400	5.44	34.10	26.93	118.0	.698	0.95	3.11
500	5.01	34.18	27.05	108.0	.812	0.59	3.23
600	4.62	34.27	27.16	97.8	.916	0.44	3.31
700	4.33	34.35	27.26	89.3	1.010	0.40	3.34
800	4.08	34.40	27.32	83.6	1.098	0.41	3.34
1000	(3.65)	(34.44)	(27.40)	(77.4)	(1.260)	-	-

STATION 403 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 40°32'N 126°32'W November 13, 1949 0630 GCT Wire angle: 8° Sounding: 1,695 fms. Depth of observation: 1,249 m. Weather: partly cloudy Sea: very rough Wind: 140°, force 4.

0	14.90	32.74	24.27	366.2	.0000	4.94	0.66
10	14.75	32.74	24.31	363.3	.0366	5.35	0.63
20	14.75	32.74	24.31	363.5	.0731	5.32	0.62
30	14.75	32.74	24.31	363.8	.1096	5.27	0.61
50	14.75	32.74	24.31	364.3	.1828	5.47	0.62
75	14.18	32.79	24.46	349.9	.2726	5.65	0.80
100	10.70	33.08	25.36	265.1	.3499	5.33	1.51
150	8.19	33.43	26.04	200.9	.467	4.40	1.94
200	7.50	33.85	26.47	150.6	.556	2.94	2.40
250	6.82	34.00	26.68	141.3	.629	2.08	2.74
300	6.33	34.04	26.78	132.3	.698	1.74	2.93
400	5.43	34.10	26.93	117.9	.824	1.23	3.11
500	4.98	34.16	27.04	109.1	.939	0.68	3.27
600	4.67	34.25	27.14	99.8	1.044	0.42	3.44
700	4.36	34.34	27.25	90.4	1.140	0.41	3.50
800	4.05	34.39	27.32	84.0	1.228	0.50	3.54
1000	3.45	34.46	27.43	73.6	1.388	0.55	3.58

STATION 404 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 40°23'N 127°22'W November 13, 1949 1347 GCT Wire angle:
19° Sounding: 910 fms. Depth of observation: 1,167 m. Weather: cloudy
Sea: slight Wind: 160°, force 2.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P ($\mu\text{g at/L}$)
0	14.35	32.95	24.55	339.7	.0000	5.61	0.66
10	14.23	32.95	24.58	337.5	.0340	5.16	0.62
20	14.21	32.95	24.58	337.7	.0679	5.50	0.60
30	14.20	32.96	24.59	336.7	.1018	5.57	0.63
50	12.02	33.01	25.06	292.1	.1649	5.59	1.04
75	10.07	33.01	25.41	259.6	.2343	5.29	1.44
100	9.64	33.35	25.74	228.0	.2956	4.73	1.76
150	8.97	33.65	26.09	196.2	.402	3.49	2.20
200	7.65	33.95	26.52	155.4	.491	2.53	2.46
250	7.20	33.98	26.61	147.6	.567	2.17	2.59
300	6.77	34.01	26.69	140.5	.640	1.77	2.74
400	6.04	34.09	26.85	126.2	.774	1.17	3.01
500	5.43	34.12	26.95	117.5	.897	0.86	3.16
600	4.84	34.15	27.04	109.4	1.012	0.60	3.26
700	4.38	34.20	27.13	101.0	1.118	0.47	3.32
800	4.06	34.26	27.21	93.8	1.216	0.41	3.37
1000	3.64	34.41	27.38	79.6	1.392	0.50	3.38

STATION 405 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 40°14'N 128°14'W November 13, 1949 2129 GCT Wire angle:
11° Sounding: 2,440 fms. Depth of observation: 1,172 m. Weather: cloudy
Sea: moderate Wind: 190°, force 2.

0	15.20	32.63	24.13	380.3	.0000	5.64	0.62
10	15.02	32.59	24.13	379.6	.0382	5.51	0.62
20	15.00	32.59	24.13	379.5	.0763	5.47	0.64
30	15.00	32.60	24.14	379.0	.1143	5.48	0.66
50	13.55	32.73	24.55	341.3	.1867	5.60	0.78
75	9.50	33.16	25.62	239.4	.2597	5.09	1.62
100	10.16	33.18	25.53	248.8	.3211	5.03	1.63
150	8.17	33.43	26.04	200.7	.434	4.24	2.04
200	7.50	33.92	26.52	155.3	.524	2.75	2.54
250	6.92	33.97	26.64	144.6	.599	2.41	2.69
300	6.33	34.01	26.75	134.6	.670	1.93	2.92
400	5.60	34.11	26.92	119.3	.798	0.93	3.32
500	5.12	34.19	27.04	108.6	.913	0.52	3.46
600	4.75	34.27	27.15	99.3	1.017	0.45	3.52
700	4.40	34.34	27.24	90.8	1.113	0.50	3.52
800	4.06	34.38	27.31	84.8	1.202	0.55	3.52
1000	3.48	34.46	27.43	73.8	1.363	0.62	3.53

STATION 406 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 40°05'N 129°04'W November 14, 1949 0508 GCT Wire angle:
 0° Sounding: 2,480 fms. Depth of observation: 1,261 m. Weather: cloudy
 Sea: rough Wind: calm.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	14.77	32.47	24.10	383.8	.0000	5.75	0.55
10	14.63	32.47	24.12	380.5	.0383	5.65	0.56
20	14.54	32.47	24.14	378.8	.0765	5.50	0.58
30	14.45	32.49	24.18	376.1	.1144	5.38	0.60
50	13.78	33.03	24.73	323.7	.1847	5.49	0.88
75	8.81	32.78	25.43	257.0	.2577	5.88	1.20
100	7.74	32.87	25.66	235.5	.3196	5.72	1.51
150	8.09	33.45	26.07	198.1	.429	4.30	1.94
200	7.44	33.92	26.53	154.5	.518	2.90	2.24
250	6.58	33.97	26.69	140.0	.592	2.34	2.43
300	6.14	34.00	26.77	132.9	.660	2.00	2.57
400	5.35	34.08	26.93	118.4	.787	1.24	2.89
500	4.85	34.13	27.03	109.8	.902	0.78	3.16
600	4.49	34.18	27.11	102.8	1.010	0.53	3.32
700	4.20	34.24	27.18	96.0	1.110	0.40	3.35
800	3.93	34.30	27.26	89.4	1.204	0.36	3.34
1000	3.40	34.43	27.42	75.2	1.370	0.39	3.30

STATION 407 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 39°56'N 129°55'W November 14, 1949 1437 GCT Wire angle:
 0° Sounding: 2,400 fms. Depth of observation: 1,261 m. Weather: drizzle
 Sea: smooth Wind: calm.

0	16.00	32.72	24.02	390.7	.0000	5.27	0.74
10	15.99	32.72	24.02	390.7	.0392	5.14	0.69
20	15.94	32.72	24.03	389.9	.0784	5.11	0.68
30	15.90	32.72	24.04	389.2	.1175	5.11	0.68
50	15.83	32.74	24.07	386.7	.1955	5.19	0.70
75	11.85	32.82	24.95	303.6	.2823	5.20	1.20
100	9.90	32.94	25.38	262.3	.3535	5.20	1.43
150	9.05	33.18	25.71	232.3	.478	4.95	1.70
200	8.20	33.69	26.24	182.6	.582	3.08	2.39
250	7.50	33.94	26.54	154.8	.667	2.39	2.73
300	7.00	34.02	26.67	142.8	.742	1.90	2.88
400	6.15	34.10	26.85	126.8	.878	1.19	3.09
500	5.54	34.15	26.96	116.8	1.001	0.81	3.23
600	5.00	34.19	27.06	108.2	1.115	0.61	3.32
700	4.49	34.23	27.15	100.0	1.220	0.54	3.37
800	4.09	34.28	27.23	92.6	1.317	0.50	3.40
1000	3.57	(34.37)	(27.35)	(81.6)	(1.493)	-	-

STATION 408 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 39°47'N 130°46'W November 14, 1949 2132 GCT Wire angle: 9° Sounding: 2,480 fms. Depth of observation: 1,247 m. Weather: cloudy Sea: moderate Wind: 120°, force 3.

Depth (m)	T (°C)	S (°/∞)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P ($\mu\text{g at/L}$)
0	16.00	32.66	23.97	394.9	.0000	5.35	0.40
10	15.80	32.66	24.01	391.0	.0394	5.48	0.40
20	15.74	32.66	24.03	390.0	.0787	5.50	0.42
30	15.70	32.66	24.04	389.4	.1178	5.51	0.46
50	15.60	32.70	24.09	384.9	.1956	5.48	0.50
75	12.65	32.79	24.77	320.5	.2843	5.74	0.80
100	9.90	32.98	25.42	259.4	.3572	5.53	1.28
150	9.24	33.31	25.78	225.6	.479	4.71	1.66
200	8.40	33.80	26.29	177.3	.581	2.85	2.45
250	7.84	33.94	26.49	159.6	.666	2.40	2.74
300	7.28	34.01	26.62	147.2	.743	2.28	2.91
400	6.12	34.08	26.83	128.0	.882	1.42	3.13
500	5.45	34.15	26.97	115.6	1.004	1.02	3.26
600	4.92	34.22	27.09	105.1	1.116	0.74	3.35
700	4.60	34.26	27.16	99.1	1.219	0.54	3.40
800	4.30	34.30	27.22	93.7	1.316	0.40	3.42
1000	3.66	34.41	27.37	79.7	1.492	0.39	3.44

STATION 409 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 39°38'N 131°36'W November 15, 1949 0418 GCT Wire angle: 13° Sounding: 2,450 fms. Depth of observation: 1,233 m. Weather: cloudy Sea: rough Wind: 110°, force 3.

0	16.30	32.69	23.92	399.3	.0000	5.52	0.47
10	16.13	32.75	24.01	391.5	.0397	5.31	0.49
20	16.10	32.73	24.00	392.5	.0791	5.32	0.51
30	16.10	32.73	24.00	392.8	.1185	5.38	0.52
50	16.06	32.82	24.08	386.1	.1968	5.43	0.54
75	11.02	32.84	25.11	287.7	.2815	5.88	0.80
100	9.73	32.84	25.33	267.2	.3513	5.71	0.99
150	8.99	33.00	25.58	244.8	.480	5.34	1.31
200	7.80	33.72	26.32	174.6	.586	4.23	1.84
250	7.25	33.87	26.52	156.5	.669	3.69	2.11
300	6.84	33.95	26.63	145.9	.745	3.35	2.32
400	5.76	34.01	26.82	128.7	.884	2.09	2.80
500	5.09	34.09	26.97	115.5	1.007	1.14	3.16
600	4.56	34.17	27.09	104.4	1.118	0.75	3.37
700	4.19	34.24	27.19	95.8	1.219	0.55	3.46
800	3.92	34.30	27.26	89.2	1.312	0.40	3.52
1000	3.50	34.43	27.41	76.5	1.480	0.41	3.54

STATION 410 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 39°29'N 132°27'W November 15, 1949 1201 GCT Wire angle:
43° Sounding: 2,220 fms. Depth of observation: 890 m. Weather: cloudy
Sea: very rough Wind: 120°, force 5.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	16.40	32.86	24.03	389.1	.0000	5.62	0.38
10	16.08	32.86	24.11	382.4	.0387	5.43	0.41
20	16.08	32.85	24.10	383.3	.0772	5.30	0.52
30	16.10	32.87	24.11	382.6	.1156	5.20	0.51
50	16.02	32.92	24.17	377.8	.1920	5.25	0.52
75	11.75	32.85	24.99	299.6	.2772	5.92	0.66
100	10.00	32.86	25.30	270.0	.3488	5.77	0.79
150	8.75	33.10	25.69	233.6	.476	4.96	1.47
200	7.94	33.64	26.24	182.6	.580	4.03	1.83
250	7.25	33.90	26.54	154.2	.665	3.33	2.18
300	6.73	34.00	26.69	140.6	.740	2.73	2.49
400	5.88	34.05	26.84	127.1	.874	1.60	2.99
500	5.15	34.12	26.98	114.1	.996	0.90	3.27
600	4.67	34.20	27.10	103.5	1.106	0.64	3.38
700	4.43	34.25	27.17	97.9	1.208	0.55	3.42
800	4.22	34.29	27.22	93.4	1.304	0.50	3.46
1000	(3.84)	(34.36)	(27.32)	(85.6)	(1.495)	-	-

STATION 461 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 39°43'N 124°24'W November 12, 1949 0449 GCT Wire angle:
19° Sounding: 1,000 fms. Depth of observation: 1,173 m. Weather: overcast
Sea: very rough Wind: 140°, force 4.

0	12.10	33.15	25.15	282.3	.0000	5.80	1.18
10	11.55	33.11	25.23	275.7	.0280	5.82	1.16
20	10.98	33.15	25.36	263.1	.0551	5.73	1.24
30	10.63	33.24	25.49	250.8	.0809	5.55	1.38
50	9.63	33.37	25.76	225.4	.1287	4.92	1.60
75	8.75	33.64	26.11	192.4	.1812	4.17	1.93
100	8.39	33.68	26.20	184.5	.2286	3.65	2.16
150	7.94	33.93	26.46	160.2	.315	2.48	2.45
200	7.49	34.04	26.62	146.4	.393	2.00	2.68
250	7.25	34.10	26.70	139.4	.465	1.56	2.81
300	7.00	34.13	26.76	134.6	.534	1.25	2.91
400	5.93	34.15	26.91	120.3	.662	0.94	3.15
500	5.39	34.23	27.04	108.9	.778	0.63	3.40
600	5.02	34.33	27.09	105.5	.886	0.44	3.49
700	4.64	34.37	27.24	91.5	.985	0.40	3.49
800	4.32	34.40	27.30	86.4	1.075	0.39	3.48
1000	3.78	34.47	27.41	76.7	1.240	0.50	3.44

STATION 501 (Interpolated Values at Standard Depths)

HORIZON: 38°50'N 124°05'W, November 8, 1949, 2341 GCT Wire angle: 13°
 Sounding: 1,100 fms. Depth of observation: 1,162 m. Weather: overcast
 Sea: very rough Wind: 180°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	11.89	32.90	25.00	296.7	.0000	6.25	1.16
10	11.85	33.10	25.16	281.4	.0290	6.16	1.15
20	11.70	33.14	25.22	276.2	.0570	6.15	1.14
30	11.42	33.18	25.30	268.7	.0844	6.10	1.16
50	10.83	33.28	25.48	251.6	.1366	5.81	1.58
75	9.98	33.31	25.66	235.8	.1979	5.28	1.72
100	9.31	33.56	25.95	207.3	.2537	3.70	1.87
150	8.04	33.79	26.34	172.1	.349	3.26	2.16
200	7.54	33.92	26.52	155.9	.432	3.19	2.21
250	6.97	33.98	26.64	144.5	.507	2.46	2.41
300	6.48	34.02	26.74	135.7	.578	1.86	2.65
400	5.78	34.07	26.87	124.4	.709	1.05	2.98
500	5.45	34.17	26.99	114.1	.829	0.62	3.16
600	5.14	34.25	27.09	105.5	.940	0.44	3.26
700	4.82	34.31	27.17	98.1	1.043	0.39	3.28
800	4.48	34.35	27.24	92.0	1.139	0.36	3.29
1000	3.76	34.40	27.36	91.6	1.325	0.45	3.25

STATION 502 (Interpolated Values at Standard Depths)

HORIZON: 38°39'N 124°54'W, November 9, 1949, 0706 GCT Wire angle: 48°
 Sounding: 2,000 fms. Depth of observation: 906 m. Weather: rain showers
 Sea: very rough Wind: 190°, force 7.

0	11.62	33.02	25.14	283.4	.0000	6.02	1.19
10	11.60	32.75	24.94	303.0	.0294	6.02	1.17
20	11.45	32.81	25.02	296.0	.0595	5.69	1.26
30	9.17	33.00	25.55	245.2	.0867	5.20	1.45
50	9.00	33.21	25.73	227.7	.1342	4.44	2.06
75	8.44	33.26	25.86	216.0	.1900	3.82	2.32
100	8.29	33.71	26.24	180.7	.2399	2.97	2.45
150	7.75	34.03	26.57	150.1	.323	2.23	2.61
200	7.27	34.01	26.63	145.5	.398	1.67	2.75
250	6.88	34.03	26.69	139.7	.469	1.31	2.91
300	6.53	34.07	26.77	132.8	.538	1.04	3.05
400	5.70	34.14	26.93	118.4	.665	0.66	3.22
500	5.15	34.07	26.94	117.8	.784	0.54	3.36
600	4.79	34.00	26.93	119.8	.904	0.45	3.44
700	4.46	34.03	26.99	114.5	1.022	0.40	3.52
800	4.18	34.07	27.05	109.2	1.135	0.35	3.55

STATION 503 (Interpolated Values at Standard Depths)

HORIZON: 38°28' N 125°43' W November 9, 1949 1508 GCT Wire angle: 30°
 Sounding: 2,300 fms. Depth of observation: 986 m. Weather: overcast
 Sea: high Wind: 240°, force 6.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	15.16	32.72	24.20	372.8	.0000	5.47	0.52
10	15.21	32.74	24.20	372.7	.0374	5.67	0.53
20	15.22	32.75	24.21	372.4	.0748	5.69	0.83
30	14.05	32.76	24.47	348.3	.1110	5.72	0.88
50	12.10	32.78	24.86	310.6	.1772	5.90	1.02
75	10.94	33.11	25.34	266.5	.2498	5.54	1.37
100	9.85	33.37	25.72	229.8	.3122	5.00	1.60
150	8.84	33.69	26.14	191.4	.418	3.32	2.21
200	8.06	33.89	26.42	165.6	.508	2.42	2.41
250	7.48	33.97	26.56	152.2	.588	2.31	2.48
300	7.05	34.03	26.67	142.6	.662	1.94	2.60
400	5.95	34.06	26.84	127.3	.798	1.32	2.90
500	5.14	34.06	26.94	118.5	.922	1.08	3.12
600	4.80	34.13	27.03	110.3	1.038	0.76	3.24
700	4.48	34.25	27.16	98.4	1.143	0.47	3.32
800	4.18	34.35	27.27	88.5	1.238	-	3.37
1000	(3.73)	(34.43)	(27.38)	(79.1)	(1.407)	-	(3.42)

STATION 504 (Interpolated Values at Standard Depths)

HORIZON: 38°22' N 126°32' W November 10, 1949 0155 GCT Wire angle: 20°
 Sounding: 2,550 fms. Depth of observation: 1,300 m. Weather: squally
 Sea: very high Wind: 270°, force 5.

0	13.90	32.88	24.59	335.8	.0000	5.90	0.64
10	13.32	32.88	24.71	324.8	.0332	5.54	0.63
20	13.07	33.15	24.97	300.5	.0646	5.70	0.82
30	12.68	33.17	25.06	292.1	.0943	5.74	0.96
50	11.34	33.17	25.31	268.3	.1506	5.48	1.20
75	10.50	33.23	25.51	250.3	.2158	5.31	1.50
100	9.12	33.32	25.81	222.0	.2752	4.75	1.70
150	8.34	33.83	26.32	173.5	.375	2.88	2.28
200	8.16	34.05	26.53	154.2	.457	2.14	2.65
250	7.68	34.02	26.57	151.4	.534	1.98	2.68
300	7.18	33.98	26.61	148.1	.610	1.93	2.74
400	6.38	34.11	26.82	129.1	.749	1.11	3.21
500	5.81	34.09	26.88	124.7	.877	0.63	3.39
600	5.23	33.99	26.87	125.9	1.004	0.40	3.46
700	4.71	34.00	26.94	119.7	1.128	0.38	3.48
800	4.30	34.09	27.05	109.2	1.243	0.38	3.48
1000	3.68	34.20	27.20	95.6	1.450	-	-

STATION 507 (Interpolated Values at Standard Depths)

HORIZON: 37°45' N 129°00' W November 11, 1949 0006 GCT Wire angle: 42°
 Sounding: missing Depth of observation: 975 m. Weather: cloudy
 Sea: high Wind: 270°, force 5.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	16.80	32.99	24.05	388.2	.0000	5.84	0.46
10	16.86	33.01	24.04	388.5	.0390	5.82	0.46
20	16.87	32.99	24.03	390.2	.0781	5.80	0.47
30	16.85	32.99	24.04	389.7	.1172	5.76	0.46
50	16.81	33.00	24.04	389.2	.1955	5.79	0.48
75	13.95	32.95	24.64	333.5	.2864	6.20	0.47
100	10.60	32.97	25.28	271.6	.3625	6.10	0.74
150	8.84	33.22	25.77	226.1	.4880	4.93	1.50
200	8.05	33.70	26.27	179.7	.590	3.20	1.98
250	7.38	33.90	26.52	156.0	.674	2.92	2.18
300	6.80	33.97	26.66	143.9	.750	2.72	2.34
400	5.80	34.00	26.81	129.8	.888	1.77	2.77
500	5.04	34.07	26.96	116.5	1.012	1.02	3.00
600	4.53	34.19	27.11	102.7	1.123	0.54	3.10
700	4.20	34.29	27.22	92.3	1.221	0.43	3.15
800	3.97	34.35	27.29	86.1	1.311	0.43	3.17
1000	(3.60)	(34.42)	(27.39)	(78.4)	(1.477)	(0.47)	(3.19)

STATION 508 (Interpolated Values at Standard Depths)

HORIZON: 37°32' N 129°48' W November 11, 1949 0718 GCT Wire angle: 35°
 Sounding: 2,500 fms. Depth of observation: 1,111 m. Weather: partly cloudy
 Sea: very rough Wind: 270°, force 4.

0	16.90	32.88	23.93	398.7	.0000	5.16	0.43
10	16.91	32.72	23.81	411.0	.0407	5.29	0.45
20	16.95	32.95	23.70	395.1	.0811	5.27	0.44
30	16.95	32.96	23.98	394.6	.1208	5.20	0.44
50	16.95	32.94	23.97	396.5	.2003	5.27	0.46
75	11.48	32.84	25.03	295.5	.2872	5.79	0.62
100	9.97	32.85	25.30	270.2	.3584	5.39	0.94
150	8.62	33.36	25.91	212.5	.480	4.60	1.48
200	7.79	33.72	26.32	174.4	.577	3.48	1.93
250	7.20	33.90	26.55	153.5	.660	3.27	2.13
300	6.68	33.95	26.66	143.5	.735	2.73	2.35
400	5.83	34.01	26.81	129.6	.872	1.48	2.91
500	5.20	34.10	26.96	116.2	.996	0.80	3.12
600	4.63	34.19	27.10	103.8	1.107	0.51	3.22
700	4.19	34.25	27.19	95.1	1.208	0.44	3.29
800	3.88	34.30	27.26	88.8	1.301	0.40	3.32
1000	3.50	34.39	27.37	79.5	1.471	0.52	3.28

STATION 509 (Interpolated Values at Standard Depths)

HORIZON: 37°21' N 130°36' W November 11, 1949 1412 GCT Wire angle: 43°
 Sounding: 2,850 fms. Depth of observation: 960 m. Weather: cloudy
 Sea: very rough Wind: 200°, force 5.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/l)	PO ₄ -P (μ g at/L)
0	15.60	32.39	23.85	405.9	.0000	5.69	0.41
10	15.60	32.56	23.98	393.8	.0401	5.72	0.39
20	15.62	32.54	23.97	395.8	.0798	5.74	0.42
30	15.60	32.77	24.14	379.4	.1187	5.78	0.46
50	12.35	32.84	24.87	310.7	.1881	6.08	0.55
75	10.48	32.84	25.21	278.7	.2622	5.99	0.72
100	9.44	32.89	25.42	258.8	.3298	5.08	1.22
150	8.09	33.44	26.06	198.8	.445	4.56	1.69
200	7.63	33.86	26.45	161.9	.536	3.71	2.02
250	7.20	33.99	26.62	146.8	.613	2.69	2.34
300	6.62	34.02	26.72	137.8	.685	2.07	2.58
400	5.37	34.00	26.86	114.4	.812	1.61	2.84
500	4.90	34.06	26.96	115.5	.928	0.97	3.04
600	4.64	34.19	27.10	103.9	1.039	0.34	3.25
700	4.40	34.28	27.19	95.3	1.139	0.28	3.28
800	4.07	34.35	27.28	87.2	1.232	0.31	3.28
1000	(3.62)	(34.43)	(27.39)	(77.9)	(1.399)	(0.42)	(3.28)

STATION 510 (Interpolated Values at Standard Depths)

HORIZON: 37°11' N 131°15' W November 11, 1949 2120 GCT Wire angle: 46°
 Sounding: 2,500 fms. Depth of observation: 1,332 m. Weather: threatening
 sky. Sea: high Wind: 200°, force 7.

0	16.67	32.90	24.00	392.0	.0000	5.46	0.50
10	16.72	32.93	24.01	391.3	.0393	5.58	0.53
20	16.76	32.97	24.04	389.3	.0785	5.48	0.53
30	16.79	32.97	24.03	390.2	.1176	5.43	0.51
50	16.79	32.90	23.98	395.9	.1966	5.44	0.49
75	15.75	32.76	24.10	384.3	.2947	5.43	0.54
100	13.25	32.88	24.72	325.7	.384	5.70	0.61
150	9.28	32.96	25.50	252.1	.529	5.61	1.11
200	8.01	33.70	26.27	179.3	.638	5.28	1.46
250	7.59	33.88	26.48	160.5	.724	4.63	1.72
300	7.05	33.94	26.60	149.4	.802	3.40	2.02
400	5.88	33.99	26.79	131.5	.943	1.56	2.94
500	5.15	34.06	26.94	118.5	1.069	0.70	3.20
600	4.68	34.16	27.07	106.6	1.183	0.48	3.30
700	4.33	34.25	27.18	96.7	1.286	0.41	3.36
800	3.99	34.33	27.28	87.8	1.379	0.47	3.38
1000	3.43	34.41	27.40	77.1	1.546	0.38	3.36

STATION 601 (Interpolated Values at Standard Depths)

HORIZON: 37°16'N 123°10'W November 14, 1949 1552 GCT Wire angle: 8°
 Sounding: 615 fms. Depth of observation: 1,105 m. Weather: cloudy
 Sea: very rough Wind: 020°, force 4.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (µg at/L)
0	13.95	-	-	-	-	5.66	0.60
10	13.96	-	-	-	-	5.77	0.62
20	13.90	-	-	-	-	5.72	0.66
30	13.50	-	-	-	-	5.60	0.78
50	11.58	-	-	-	-	5.09	1.06
75	9.65	-	-	-	-	3.65	1.56
100	8.69	-	-	-	-	3.63	1.78
150	8.13	-	-	-	-	2.92	2.17
200	7.58	-	-	-	-	2.40	2.24
250	7.03	-	-	-	-	1.98	2.37
300	6.63	-	-	-	-	1.55	2.58
400	6.02	-	-	-	-	0.91	2.92
500	5.57	-	-	-	-	0.65	2.96
600	5.17	-	-	-	-	0.55	2.97
700	4.77	-	-	-	-	0.53	2.98
800	4.37	-	-	-	-	0.53	2.98
1000	3.71	-	-	-	-	0.60	3.00

STATION 602 (Interpolated Values at Standard Depths)

HORIZON: 37°01'N 124°01'W November 14, 1949 0944 GCT Wire angle: 18°
 Sounding: missing Depth of observation: 1,164 m. Weather: partly cloudy
 Sea: rough Wind: 360°, force 4.

0	13.35	33.22	24.96	300.3	.0000	5.82	0.73
10	13.36	33.23	24.97	299.9	.0301	6.04	0.75
20	13.28	33.23	24.99	298.7	.0602	6.12	0.69
30	11.55	33.24	25.33	266.6	.0886	5.65	0.80
50	9.69	33.51	25.86	215.8	.1370	4.15	1.75
75	8.98	33.65	26.09	195.1	.1887	3.30	1.98
100	8.55	33.79	26.26	178.6	.2357	2.76	2.12
150	7.65	33.93	26.51	156.1	.320	2.77	2.21
200	7.05	33.96	26.62	146.4	.396	2.35	2.31
250	6.48	34.00	26.72	136.5	.467	1.94	2.55
300	5.97	34.04	26.82	127.7	.534	1.57	2.74
400	5.50	34.11	26.93	118.0	.658	0.80	2.86
500	5.24	34.22	27.05	107.9	.772	0.36	3.06
600	4.97	34.33	27.17	97.5	.875	0.27	3.21
700	4.60	34.37	27.24	90.9	.970	0.32	3.22
800	4.24	34.39	27.30	87.3	1.060	0.44	3.20
1000	3.59	34.43	27.40	77.4	1.227	0.60	3.17

STATION 603 (Interpolated Values at Standard Depths)

HORIZON: 36°50' N 124°43' W November 14, 1949 0404 GCT Wire angle: 19°
 Sounding: 2,300 fms. Depth of observation: 1,246 m. Weather: partly cloudy
 Sea: rough Wind: 360°, force 2.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	13.00	-	-	-	-	6.10	0.68
10	13.02	-	-	-	-	6.18	0.68
20	12.94	-	-	-	-	6.18	0.67
30	12.58	-	-	-	-	5.95	0.68
50	10.20	-	-	-	-	4.85	1.32
75	8.94	-	-	-	-	3.71	1.80
100	8.75	-	-	-	-	2.88	1.95
150	7.96	-	-	-	-	2.63	2.13
200	7.47	-	-	-	-	2.18	2.25
250	7.04	-	-	-	-	1.66	2.39
300	6.68	-	-	-	-	1.29	2.51
400	5.99	-	-	-	-	0.78	2.71
500	5.34	-	-	-	-	0.48	2.83
600	4.82	-	-	-	-	0.38	2.90
700	4.40	-	-	-	-	0.40	2.93
800	4.07	-	-	-	-	0.45	2.94
1000	3.58	-	-	-	-	0.63	2.91

STATION 604 (Interpolated Values at Standard Depths)

HORIZON: 36°37' N 125°31' W November 13, 1949 2227 GCT Wire angle: 15°
 Sounding: missing Depth of observation: 1,166 m. Weather: cloudy
 Sea: rough Wind: 040°, force 3.

0	14.25	32.99	24.60	334.6	.0000	5.81	0.51
10	13.98	32.95	24.63	332.5	.0335	5.84	0.52
20	13.45	33.14	24.88	308.6	.0657	5.85	0.70
30	12.75	33.13	25.02	296.2	.0960	5.78	0.85
50	10.62	33.04	25.34	265.9	.1525	5.50	1.12
75	9.48	33.17	25.63	238.3	.2159	5.70	1.38
100	9.17	33.29	25.78	225.0	.2742	4.88	1.65
150	8.27	33.51	26.09	196.1	.3802	3.06	2.16
200	8.01	33.75	26.31	175.4	.474	2.12	2.42
250	7.36	33.99	26.60	149.0	.555	1.68	2.68
300	6.77	34.11	26.77	133.1	.626	1.32	2.82
400	5.93	34.15	26.91	120.5	.754	0.75	2.94
500	5.49	34.30	27.09	104.8	.868	0.44	3.12
600	4.99	34.42	27.24	91.0	.967	0.34	3.24
700	4.56	34.42	27.29	86.7	1.056	0.35	3.24
800	4.22	34.42	27.32	84.0	1.143	0.36	3.24
1000	3.68	34.45	27.40	77.0	1.305	0.50	3.20

STATION 605 (Interpolated Values at Standard Depths)

HORIZON: 36°24'N 126°17'W November 12, 1949 1648 GCT Wire angle: 3°
 Sounding: 2,500 fms. Depth of observation: 734 m. Weather: cloudy
 Sea: rough Wind: 040°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (µg at/L)
0	16.04	-	-	-	-	5.62	0.48
10	16.04	-	-	-	-	5.59	0.47
20	16.07	-	-	-	-	5.58	0.48
30	16.10	-	-	-	-	5.58	0.49
50	15.25	-	-	-	-	5.61	0.45
75	12.65	-	-	-	-	5.98	0.72
100	10.52	-	-	-	-	5.73	0.94
150	8.30	-	-	-	-	4.64	1.59
200	7.92	-	-	-	-	3.66	2.04
250	6.97	-	-	-	-	1.89	2.36
300	6.40	-	-	-	-	0.72	2.62
400	5.72	-	-	-	-	0.63	2.88
500	5.24	-	-	-	-	0.58	3.04
600	4.89	-	-	-	-	0.45	3.14
700	4.60	-	-	-	-	0.32	3.22

STATION 606 (Interpolated Values at Standard Depths)

HORIZON: 36°12'N 126°58'W November 13, 1949 1133 GCT Wire angle: 22°
 Sounding: 2,600 fms. Depth of observation: 1,095 m. Weather: cloudy
 Sea: moderate Wind: 090°, force 2.

0	16.31	32.90	24.09	384.1	.0000	5.66	0.54
10	16.32	32.92	24.10	383.1	.0385	5.66	0.53
20	16.36	32.92	24.09	384.4	.0770	5.71	0.52
30	16.38	32.92	24.08	385.1	.1157	5.76	0.60
50	12.95	32.95	24.84	313.6	.1859	5.85	0.80
75	10.55	32.90	25.24	275.5	.2599	5.95	0.90
100	9.81	33.08	25.51	250.6	.3261	5.52	1.20
150	8.90	33.45	25.94	210.0	.442	4.45	1.76
200	7.74	33.81	26.40	167.2	.537	3.28	2.10
250	7.31	33.97	26.59	149.9	.617	2.72	2.36
300	6.86	34.04	26.70	139.7	.690	2.17	2.54
400	5.76	34.08	26.88	123.4	.822	1.25	2.82
500	5.25	34.13	26.98	114.6	.942	0.66	3.04
600	4.77	34.22	27.11	103.2	1.052	0.41	3.16
700	4.34	34.30	27.22	93.1	1.151	0.35	3.19
800	4.02	34.36	27.30	85.9	1.242	0.33	3.20
1000	3.54	34.43	27.40	77.0	1.407	0.58	3.23

STATION 607 (Interpolated Values at Standard Depths)

HORIZON: 35°58' N 127°51' W November 13, 1949 0505, 0555 GGT Wire angle: 25°, 28°
 Sounding: 2,500 fms. Depth of observation: 565, 1,081 m.
 Weather: partly cloudy Sea: rough Wind: 140°, force 5.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ S	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (µg at/L)
0	16.38	-	-	-	-	5.21	0.44
10	16.38	-	-	-	-	5.42	0.44
20	16.42	-	-	-	-	5.46	0.44
30	16.43	-	-	-	-	5.49	0.44
50	16.41	-	-	-	-	5.49	0.47
75	14.30	-	-	-	-	5.50	0.62
100	10.67	-	-	-	-	5.75	0.89
150	8.71	-	-	-	-	4.68	1.66
200	7.84	-	-	-	-	3.55	2.02
250	7.41	-	-	-	-	2.48	2.41
300	6.92	-	-	-	-	1.91	2.66
400	5.77	-	-	-	-	1.40	2.90
500	5.28	-	-	-	-	0.74	3.05
600	4.77	-	-	-	-	0.44	3.19
700	4.33	-	-	-	-	0.35	3.28
800	4.00	-	-	-	-	0.35	3.34
1000	3.49	-	-	-	-	0.52	3.28

STATION 608 (Interpolated Values at Standard Depths)

HORIZON: 35°44' N 128°32' W November 12, 1949 2345 GGT Wire angle: 30°
 Sounding: missing Depth of observation: 1,204 m. Weather: overcast
 Sea: high Wind: 160°, force 5.

0	16.89	33.03	24.05	387.3	.0000	5.45	0.32
10	16.88	33.17	24.16	377.3	.0384	5.54	0.34
20	16.94	33.04	24.05	388.5	.0768	5.40	0.34
30	16.94	33.04	24.05	388.8	.1158	5.41	0.34
50	15.90	33.08	24.32	363.6	.1915	5.65	0.36
75	12.65	33.08	25.00	299.0	.2748	6.20	0.37
100	11.35	33.07	25.23	276.9	.3472	5.75	0.51
150	9.47	33.30	25.73	229.9	.4748	5.00	1.11
200	8.19	33.68	26.23	183.2	.579	4.17	1.72
250	6.54	33.83	26.44	163.6	.666	3.18	2.03
300	7.03	33.87	26.55	154.4	.746	2.40	2.28
400	6.15	33.84	26.64	146.2	.898	1.49	2.68
500	5.39	34.05	26.90	122.2	1.033	0.83	2.93
600	4.79	34.19	27.08	105.6	1.148	0.50	3.04
700	4.41	34.28	27.19	95.5	1.250	0.40	3.11
800	4.11	34.35	27.28	87.7	1.342	0.36	3.16
1000	3.64	34.46	27.41	76.9	1.508	0.44	3.18

STATION 609 (Interpolated Values at Standard Depths)

HORIZON: 35°31' N 129°23' W November 12, 1949 1749 GCT Wire angle: 44°
 Sounding: 2,500 fms. Depth of observation: 1,365 m. Weather: cloudy
 Sea: rough Wind: 140°, force 5.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	17.20	33.19	24.10	382.7	.0000	5.42	0.41
10	17.22	33.04	23.98	394.3	.0390	5.45	0.45
20	17.25	32.98	23.93	399.7	.0788	5.46	0.46
30	17.25	32.95	23.91	402.1	.1191	5.46	0.46
50	17.25	32.96	23.91	401.9	.1999	5.35	0.45
75	17.25	32.94	23.90	404.2	.3012	5.30	0.48
100	17.10	33.07	24.03	392.0	.4014	5.36	0.47
150	11.00	32.90	25.16	284.4	.572	5.69	0.79
200	9.05	33.35	25.84	220.4	.699	4.76	1.46
250	7.79	33.54	26.18	188.7	.802	3.84	1.95
300	6.97	33.70	26.42	166.2	.891	3.03	2.34
400	5.73	34.00	26.82	129.1	1.040	1.77	2.86
500	5.20	34.12	26.98	114.7	1.163	0.81	3.16
600	4.82	34.22	27.10	103.9	1.273	0.47	3.33
700	4.48	34.29	27.19	95.4	1.374	0.47	3.41
800	4.15	34.36	27.28	87.4	1.466	0.47	3.44
1000	3.54	34.45	27.42	75.4	1.631	0.50	3.43

STATION 610 (Interpolated Values at Standard Depths)

HORIZON: 35°18' N 130°11' W November 12, 1949 1111 GCT Wire angle: 55°
 Sounding: 2,500 fms. Depth of observation: 701 m. Weather: cloudy
 Sea: high Wind: 180°, force 7.

0	17.62	33.17	23.98	393.7	.0000	5.44	0.39
10	17.58	33.22	24.03	389.5	.0393	5.43	0.40
20	17.52	33.27	24.08	384.8	.0782	5.42	0.40
30	17.47	33.27	24.10	383.9	.1168	5.40	0.42
50	17.37	33.40	24.22	372.7	.1928	5.45	0.35
75	14.25	33.41	24.93	305.9	.2781	6.01	0.40
100	13.23	33.41	25.14	286.4	.3526	5.64	0.46
150	11.08	33.37	25.51	251.2	.488	5.72	0.52
200	8.74	33.67	26.14	192.2	.600	4.74	1.55
250	7.90	33.89	26.44	164.1	.689	4.04	1.88
300	7.25	33.98	26.60	149.0	.768	3.54	2.06
400	6.00	34.01	26.79	131.6	.910	2.30	2.68
500	5.02	34.04	26.94	118.5	1.036	1.14	3.03
600	4.57	34.11	27.04	109.0	1.150	0.65	3.24
700	4.34	34.16	27.10	103.6	1.258	0.44	3.35

STATION 661 (Interpolated Values at Standard Depths)

HORIZON: 36°35' N 122°15' W November 16, 1949 0404 GCT Wire angle: 3°
 Sounding: 1,300 fms. Depth of observation: 1,205 m. Weather: cloudy
 Sea: moderate Wind: 020°, force 2.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	13.38	33.46	25.14	283.4	.0000	6.20	0.68
10	12.80	33.49	25.28	270.2	.0278	5.85	0.85
20	12.52	33.51	25.35	263.8	.0546	5.46	1.06
30	12.00	33.52	25.46	253.9	.0806	5.12	1.25
50	10.88	33.58	25.71	230.2	.1292	4.20	1.58
75	10.45	33.61	25.81	221.5	.1860	3.70	1.71
100	10.19	33.67	25.90	213.0	.2407	3.47	1.74
150	9.50	33.79	26.11	194.0	.343	2.91	2.02
200	8.80	34.01	26.40	167.7	.434	2.00	2.35
250	8.29	34.09	26.54	155.1	.515	1.42	2.49
300	7.86	34.13	26.63	146.7	.591	1.19	2.61
400	7.03	34.16	26.77	134.3	.733	0.96	2.80
500	6.03	34.18	26.92	120.6	.862	0.64	2.95
600	5.19	34.26	27.09	105.3	.976	0.46	3.06
700	4.74	34.30	27.17	97.9	1.078	0.45	3.07
800	4.45	34.34	27.24	92.4	1.174	0.45	3.05
1000	3.81	34.41	27.36	81.6	1.350	0.50	3.04

STATION 701 (Interpolated Values at Standard Depths)

HORIZON: 35°41' N 121°50' W November 16, 1949 1147 GCT Wire angle: 8°
 Sounding: 650 fms. Depth of observation: 978 m. Weather: cloudy
 Sea: moderate Wind: calm.

0	14.93	-	-	-	-	5.65	0.45
10	14.78	-	-	-	-	5.53	0.46
20	14.33	-	-	-	-	5.71	0.52
30	12.50	-	-	-	-	5.80	0.85
50	10.62	-	-	-	-	4.58	1.50
75	9.61	-	-	-	-	3.79	1.74
100	9.44	-	-	-	-	2.51	2.01
150	9.04	-	-	-	-	1.20	2.27
200	8.46	-	-	-	-	1.10	2.34
250	8.06	-	-	-	-	1.00	2.48
300	7.73	-	-	-	-	0.75	2.70
400	7.04	-	-	-	-	0.39	2.92
500	6.25	-	-	-	-	0.39	3.03
600	5.62	-	-	-	-	0.40	3.14
700	5.04	-	-	-	-	0.48	3.22
800	4.53	-	-	-	-	0.55	3.26
1000	(3.92)	-	-	-	-	-	3.22

STATION 702 (Interpolated Values at Standard Depths)

HORIZON: 35°25' N 122°35' W November 16, 1949 1711 GCT Wire angle: 6°
 Sounding: 2,200 fms. Depth of observation: 1,195 m. Weather: fog
 Sea: moderate Wind: calm.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	14.58	33.12	24.63	331.8	.0000	5.86	0.50
10	14.40	33.12	24.67	328.4	.0331	5.94	0.53
20	13.48	33.08	24.83	313.5	.0654	5.90	0.55
30	13.10	33.05	24.88	308.6	.0966	5.84	0.61
50	12.55	33.06	25.00	298.1	.1576	5.74	0.85
75	9.74	33.17	25.59	242.4	.2255	5.30	1.24
100	8.95	33.46	25.94	209.2	.2823	4.29	1.62
150	8.82	33.93	26.33	173.2	.379	2.40	2.10
200	8.24	34.06	26.52	155.8	.461	1.92	2.35
250	7.51	34.08	26.65	144.5	.537	1.71	2.48
300	6.91	34.07	26.72	137.9	.608	1.55	2.56
400	6.32	34.11	26.83	128.5	.742	0.91	2.82
500	5.73	34.20	26.97	115.5	.865	0.60	3.01
600	5.14	34.28	27.11	103.2	.976	0.52	3.06
700	4.64	34.33	27.21	94.4	1.075	0.51	3.06
800	4.28	34.37	27.28	87.9	1.168	0.54	3.05
1000	4.02	34.43	27.35	82.5	1.340	0.61	3.02

STATION 703 (Interpolated Values at Standard Depths)

HORIZON: 35°09' N 123°25' W November 16, 1949 2241 GCT Wire angle: 0°
 Sounding: 2,200 fms. Depth of observation: 1,205 m. Weather: cloudy
 Sea: slight Wind: 270°, force 1.

0	14.45	--	--	--	--	5.92	0.59
10	13.76	--	--	--	--	5.95	0.68
20	13.25	--	--	--	--	5.90	0.77
30	12.84	--	--	--	--	5.75	0.88
50	11.90	--	--	--	--	4.65	1.26
75	9.43	--	--	--	--	3.41	1.91
100	8.99	--	--	--	--	2.72	2.10
150	8.55	--	--	--	--	2.17	2.29
200	7.94	--	--	--	--	2.10	2.38
250	7.39	--	--	--	--	1.85	2.51
300	6.97	--	--	--	--	1.42	2.69
400	6.22	--	--	--	--	0.90	2.99
500	5.57	--	--	--	--	0.55	3.12
600	5.07	--	--	--	--	0.35	3.21
700	4.70	--	--	--	--	0.35	3.26
800	4.38	--	--	--	--	0.43	3.29
1000	3.80	--	--	--	--	0.66	3.29

STATION 704 (Interpolated Values at Standard Depths)

HORIZON: 34°54' N 124°04' W November 17, 1949 0350 GCT Wire angle: 22°
 Sounding: 2,400 fms. Depth of observation: 1,103 m. Weather: partly cloudy
 Sea: slight Wind: calm.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	15.88	32.95	24.22	371.2	.0000	5.95	0.46
10	15.35	32.98	24.36	358.1	.0366	5.94	0.48
20	14.85	33.18	24.62	333.3	.0713	5.94	0.52
30	13.90	33.14	24.79	317.5	.1040	5.89	0.62
50	10.40	32.90	25.27	272.5	.1633	5.70	0.90
75	9.80	32.96	25.42	258.9	.2301	5.64	1.16
100	9.65	33.31	25.71	231.1	.2917	4.87	1.39
150	8.30	33.75	26.27	178.7	.395	3.27	2.06
200	7.87	33.98	26.52	156.2	.479	2.67	2.29
250	7.24	34.01	26.63	145.9	.555	2.25	2.43
300	6.64	34.03	26.73	137.2	.627	1.85	2.56
400	5.88	34.06	26.85	126.3	.759	1.03	2.85
500	5.32	34.12	26.96	116.3	.882	0.63	3.00
600	4.79	34.22	27.10	103.4	.992	0.50	3.08
700	4.40	34.33	27.23	91.6	1.091	0.45	3.14
800	4.12	34.41	27.33	83.4	1.179	0.45	3.15
1000	3.68	34.45	27.40	77.0	1.341	0.60	3.10

STATION 705 (Interpolated Values at Standard Depths)

HORIZON: 34°33' N 124°51' W November 17, 1949 0933 GCT Wire angle: 0°
 Sounding: 2,200 fms. Depth of observation: 1,204 m. Weather: fog
 Sea: calm Wind: 270°, force 1.

0	16.50	-	-	-	-	6.00	0.48
10	16.50	-	-	-	-	5.57	0.48
20	16.50	-	-	-	-	5.55	0.48
30	16.50	-	-	-	-	5.50	0.49
50	16.50	-	-	-	-	5.44	0.50
75	14.25	-	-	-	-	5.84	0.59
100	12.02	-	-	-	-	5.75	0.68
150	9.20	-	-	-	-	4.75	1.50
200	8.32	-	-	-	-	3.82	1.92
250	7.73	-	-	-	-	2.95	2.20
300	7.25	-	-	-	-	2.22	2.48
400	6.34	-	-	-	-	1.33	2.97
500	5.57	-	-	-	-	0.74	3.14
600	4.94	-	-	-	-	0.43	3.25
700	4.56	-	-	-	-	0.41	3.29
800	4.25	-	-	-	-	0.47	3.30
1000	3.73	-	-	-	-	0.63	3.29

STATION 706 (Interpolated Values at Standard Depths)

HORIZON: $34^{\circ}13'N$ $125^{\circ}40'W$ November 17, 1949 1523 GCT Wire angle: 9°
 Sounding: 2,700 fms. Depth of observation: 1,192 m. Weather: cloudy.
 Sea: rough Wind: 220° , force 2.

Depth (m)	T ($^{\circ}C$)	S ($^{\circ}/\text{oo}$)	σ_t (mg/cm^3)	$10^5 \delta$	ΔD (dyn.m.)	O_2 (ml/L)	$PO_4 - P$ ($\mu\text{g at/L}$)
0	17.02	33.26	24.20	373.5	.0000	5.53	0.48
10	17.05	33.25	24.18	375.2	.0376	5.40	0.48
20	17.07	33.25	24.13	376.0	.0753	5.50	0.50
30	17.10	33.26	24.18	376.2	.1130	5.55	0.50
50	17.10	33.25	24.17	377.5	.1838	5.42	0.51
75	13.82	33.02	24.72	325.8	.2772	6.21	0.54
100	11.65	33.02	25.14	285.9	.3542	6.00	0.68
150	9.63	33.28	25.69	233.9	.485	5.18	1.47
200	8.41	33.74	26.24	182.0	.590	4.05	1.94
250	7.73	33.91	26.48	160.4	.676	3.28	2.21
300	7.16	33.99	26.62	147.1	.753	2.69	2.45
400	6.16	34.04	26.80	131.5	.894	1.44	2.89
500	5.34	34.12	26.96	116.5	1.019	0.74	3.21
600	4.80	34.21	27.09	104.3	1.130	0.50	3.36
700	4.52	34.29	27.19	95.9	1.231	0.50	3.38
800	4.28	34.36	27.27	88.9	1.325	0.56	3.38
1000	3.78	34.46	27.40	77.5	1.493	0.74	3.38

STATION 707 (Interpolated Values at Standard Depths)

HORIZON: $34^{\circ}10'N$ $126^{\circ}21'W$ November 17, 1949 2009 GCT Wire angle: 11°
 Sounding: 2,400 fms. Depth of observation: 1,192 m. Weather: cloudy
 Sea: moderate Wind: 140° , force 1.

0	16.93	-	-	-	-	5.52	0.46
10	16.80	-	-	-	-	5.47	0.47
20	16.76	-	-	-	-	5.45	0.47
30	16.70	-	-	-	-	5.45	0.46
50	16.25	-	-	-	-	5.54	0.48
75	14.00	-	-	-	-	5.84	0.73
100	10.90	-	-	-	-	5.63	0.81
150	9.39	-	-	-	-	4.14	1.70
200	8.35	-	-	-	-	3.28	2.17
250	7.60	-	-	-	-	2.55	2.40
300	7.05	-	-	-	-	1.97	2.57
400	6.27	-	-	-	-	1.26	2.88
500	5.43	-	-	-	-	0.74	3.07
600	4.65	-	-	-	-	0.48	3.20
700	4.32	-	-	-	-	0.48	3.27
800	4.06	-	-	-	-	0.48	3.30
1000	3.60	-	-	-	-	0.53	3.29

STATION 709 (Interpolated Values at Standard Depths)

HORIZON: 33°34' N 127°45' W November 18, 1949 0725 GCT Wire angle: 14°
 Sounding: 2,500 fms. Depth of observation: 1,178 m. Weather: cloudy
 Sea: moderate Wind: 220°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μg at/L)
0	17.10	-	-	-	-	5.41	0.38
10	17.12	-	-	-	-	5.46	0.38
20	17.15	-	-	-	-	5.58	0.38
30	17.16	-	-	-	-	5.57	0.38
50	17.16	-	-	-	-	5.44	0.40
75	13.68	-	-	-	-	6.08	0.43
100	12.35	-	-	-	-	5.67	0.51
150	10.12	-	-	-	-	4.88	1.11
200	8.49	-	-	-	-	4.17	1.69
250	7.75	-	-	-	-	3.04	2.10
300	7.20	-	-	-	-	2.15	2.44
400	6.12	-	-	-	-	1.15	2.80
500	5.26	-	-	-	-	0.77	2.94
600	4.73	-	-	-	-	0.52	3.01
700	4.37	-	-	-	-	0.48	3.03
800	4.08	-	-	-	-	0.45	3.04
1000	3.60	-	-	-	-	0.52	3.04

STATION 710 (Interpolated Values at Standard Depths)

HORIZON: 33°21' N 128°16' W November 18, 1949 1312 GCT Wire angle: 17°
 Sounding: 2,600 fms. Depth of observation: 1,173 m. Weather: cloudy
 Sea: moderate Wind: 140°, force 4.

0	17.60	33.39	24.16	377.2	.0000	5.45	0.48
10	17.62	33.39	24.15	377.9	.0379	5.50	0.47
20	17.65	33.42	24.17	376.8	.0758	5.46	0.46
30	17.66	33.46	24.20	374.3	.1135	5.45	0.46
50	17.65	33.54	24.26	368.9	.1882	5.43	0.47
75	13.82	33.22	24.87	311.2	.2737	5.80	0.47
100	13.11	33.35	25.11	288.5	.3491	5.66	0.46
150	10.96	33.35	25.52	250.6	.485	5.38	1.02
200	9.12	33.65	26.06	199.4	.598	4.50	1.67
250	8.17	33.89	26.40	163.1	.691	3.34	2.17
300	7.58	33.99	26.56	153.0	.772	2.44	2.53
400	6.51	34.09	26.79	132.3	.915	1.51	2.89
500	5.68	34.13	26.93	120.0	1.043	0.86	3.12
600	4.98	34.16	27.04	110.1	1.159	0.50	3.30
700	4.45	34.20	27.13	101.8	1.266	0.45	3.40
800	4.10	34.27	27.22	93.4	1.364	0.45	3.42
1000	3.63	34.40	27.38	80.2	1.540	0.55	3.42

STATION 801 (Interpolated Values at Standard Depths)

HORIZON: 33° 50' N 120° 40' W November 21, 1949 0509 GCT Wire angle: 24°
 Sounding: 1,100 fms. Depth of observation: 1,237 m. Weather: clear
 Sea: rough Wind: 350°, force 6.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (µg at/L)
0	14.74	33.46	24.86	310.2	.0000	5.91	0.38
10	14.75	33.45	24.85	311.3	.0312	6.10	0.38
20	14.70	33.44	24.85	311.3	.0624	5.99	0.36
30	13.55	33.44	25.09	288.8	.0926	5.74	0.44
50	11.53	33.46	25.50	250.4	.1468	4.60	1.30
75	9.60	33.59	25.94	209.2	.2045	3.73	1.77
100	9.07	33.74	26.14	190.2	.2548	3.34	1.87
150	8.43	33.97	26.42	164.4	.344	2.58	2.25
200	7.82	34.09	26.61	147.4	.423	2.00	2.47
250	7.16	34.10	26.71	138.3	.494	1.67	2.61
300	6.58	34.11	26.80	130.4	.562	1.41	2.75
400	6.15	34.22	26.94	117.9	.687	0.65	3.10
500	5.72	34.29	27.05	108.7	.802	0.38	3.21
600	5.33	34.35	27.14	100.4	.907	0.35	3.24
700	4.90	34.40	27.23	92.4	1.004	0.35	3.27
800	4.52	34.44	27.31	85.7	1.094	0.41	3.28
1000	3.86	34.48	27.41	76.9	1.259	0.64	3.28

STATION 802 (Interpolated Values at Standard Depths)

HORIZON: 33° 32' N 121° 22' W November 20, 1949 2300, 2323 GCT Wire angle:
 20°, 25° Sounding: 2,000 fms. Depth of observation: 74, 1,265 m.
 Weather: overcast Sea: rough Wind: 340°, force 5.

0	15.54	-	-	-	-	5.48	0.40
10	15.55	-	-	-	-	5.53	0.40
20	15.55	-	-	-	-	5.55	0.39
30	15.54	-	-	-	-	5.55	0.34
50	13.03	-	-	-	-	5.37	0.78
75	10.80	-	-	-	-	4.25	1.40
100	9.30	-	-	-	-	3.20	1.82
150	8.68	-	-	-	-	2.34	2.26
200	8.37	-	-	-	-	1.68	2.51
250	8.15	-	-	-	-	1.26	2.64
300	7.77	-	-	-	-	1.02	2.75
400	7.03	-	-	-	-	0.87	2.88
500	6.18	-	-	-	-	0.62	3.03
600	5.46	-	-	-	-	0.37	3.16
700	4.99	-	-	-	-	0.39	3.21
800	4.61	-	-	-	-	0.42	3.23
1000	3.96	-	-	-	-	0.55	3.22

STATION 803 (Interpolated Values at Standard Depths)

HORIZON: 33°15' N 122°05' W November 20, 1949 1714 GCT Wire angle: 32°
 Sounding: 2,500 fms. Depth of observation: 1,142 m. Weather: overcast
 Sea: rough Wind: 340°, force 5.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (µg at/L)
0	14.96	33.34	24.72	323.4	.0000	5.34	0.49
10	14.95	33.33	24.72	324.2	.0325	5.30	0.51
20	14.25	33.46	24.96	300.8	.0639	5.15	0.60
30	13.69	33.46	25.08	289.9	.0935	4.90	0.75
50	12.30	33.46	25.36	264.0	.1492	4.35	1.18
75	9.80	33.49	25.83	219.8	.2100	3.50	1.68
100	8.96	33.68	26.11	192.9	.2619	3.15	1.89
150	8.27	33.93	26.42	164.9	.352	2.65	2.24
200	7.79	34.05	26.58	149.8	.431	1.86	2.49
250	7.31	34.09	26.68	141.0	.504	1.35	2.75
300	6.52	34.07	26.77	132.6	.573	1.23	2.86
400	5.59	34.09	26.91	120.6	.701	1.04	2.98
500	5.24	34.22	27.05	107.8	.816	0.44	3.29
600	4.85	34.33	27.18	96.0	.919	0.39	3.30
700	4.50	34.41	27.29	86.6	1.011	0.40	3.30
800	4.23	34.45	27.35	81.7	1.096	0.40	3.27
1000	3.75	34.48	27.42	75.6	1.255	0.57	3.22

STATION 804 (Interpolated Values at Standard Depths)

HORIZON: 32°56' N 122°48' W November 20, 1949 1127 GCT Wire angle: 16°
 Sounding: 2,550 fms. Depth of observation: 1,167 m. Weather: fog
 Sea: moderate Wind: 340°, force 2.

0	15.32	-	-	-	-	5.86	0.56
10	15.18	-	-	-	-	5.91	0.56
20	14.75	-	-	-	-	6.14	0.61
30	14.05	-	-	-	-	6.12	0.72
50	12.95	-	-	-	-	5.73	1.08
75	9.75	-	-	-	-	4.14	1.72
100	9.04	-	-	-	-	3.96	1.82
150	8.69	-	-	-	-	2.20	2.40
200	8.19	-	-	-	-	1.92	2.62
250	7.43	-	-	-	-	1.70	2.70
300	6.84	-	-	-	-	1.42	2.81
400	6.18	-	-	-	-	0.62	3.24
500	5.54	-	-	-	-	0.39	3.33
600	4.95	-	-	-	-	0.32	3.35
700	4.50	-	-	-	-	0.35	3.36
800	4.19	-	-	-	-	0.48	3.35
1000	3.70	-	-	-	-	0.71	3.26

STATION 805 (Interpolated Values at Standard Depths)

HORIZON: 32° 40' N 123° 30' W November 20, 1949 0608 GCT Wire angle: 5°
 Sounding: 2,600 fms. Depth of observation: 1,192 m. Weather: fog
 Sea: moderate Wind: 350°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μg at/L)
0	16.78	33.20	24.21	372.5	.0000	5.63	0.42
10	16.42	33.18	24.27	366.4	.0371	5.54	0.45
20	16.40	33.16	24.26	367.8	.0740	5.47	0.42
30	16.41	33.14	24.25	369.7	.1110	5.46	0.41
50	15.90	33.13	24.36	359.8	.1843	5.56	0.42
75	13.00	33.08	24.93	305.7	.2679	5.71	0.63
100	11.30	33.12	25.28	272.3	.3406	5.56	0.74
150	9.83	33.43	25.78	226.1	.466	4.83	1.14
200	8.72	33.84	26.28	179.2	.568	4.00	1.58
250	7.89	33.98	26.51	157.2	.653	3.43	1.86
300	7.20	34.04	26.66	143.9	.729	3.04	2.06
400	5.90	34.04	26.83	128.0	.866	1.58	2.54
500	5.30	34.09	26.94	118.2	.990	0.79	2.84
600	4.93	34.22	27.09	105.2	1.103	0.44	2.94
700	4.60	34.31	27.20	95.4	1.204	0.40	2.97
800	4.31	34.38	27.28	87.9	1.296	0.42	2.98
1000	3.79	34.45	27.39	78.3	1.464	0.55	2.98

STATION 806 (Interpolated Values at Standard Depths)

HORIZON: 32° 22' N 124° 13' W November 20, 1949 0113 GCT Wire angle: 5°
 Sounding: 2,600 fms. Depth of observation: 1,203 m. Weather: cloudy
 Sea: rough Wind: 320°, force 2.

0	17.67	33.40	24.15	378.0	.0000	5.48	0.40
10	17.47	33.37	24.17	375.9	.0378	5.46	0.42
20	17.37	33.38	24.21	373.2	.0754	5.45	0.42
30	17.28	33.39	24.24	370.7	.1128	5.45	0.42
50	16.80	33.37	24.33	362.0	.1864	5.55	0.43
75	13.41	33.30	25.01	297.5	.2693	5.86	0.44
100	13.37	33.60	25.26	275.1	.3414	5.75	0.43
150	11.92	33.54	25.49	253.4	.474	5.15	0.77
200	9.15	33.64	26.05	200.6	.599	4.28	1.53
250	8.19	33.87	26.38	169.9	.682	3.35	1.92
300	7.59	34.02	26.59	150.9	.763	2.63	2.20
400	6.27	34.04	26.78	132.8	.906	1.89	2.59
500	5.55	34.10	26.92	120.7	1.034	1.03	2.87
600	5.13	34.23	27.07	106.8	1.148	0.52	3.05
700	4.71	(34.29)	(27.17)	(98.2)	(1.252)	0.50	3.12
800	4.28	(34.34)	(27.26)	(90.3)	(1.347)	0.51	3.14
1000	3.73	(34.41)	(27.37)	(80.7)	(1.520)	0.62	3.16

STATION 807 (Interpolated Values at Standard Depths)

HORIZON: 32°05' N 124°55' W November 19, 1949 2047 GCT Wire angle: 7°
 Sounding: 2,600 fms. Depth of observation: 1,197 m. Weather: fog
 Sea: rough Wind: 140°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (µg at/L)
0	18.09	33.49	24.11	381.4	.0000	5.58	0.43
10	18.04	33.53	24.16	377.7	.0381	5.46	0.45
20	18.07	33.53	24.15	378.5	.0761	5.49	0.44
30	18.08	33.52	24.14	379.9	.1141	5.55	0.45
50	17.70	33.36	24.11	383.2	.1908	5.65	0.47
75	16.05	33.57	24.66	331.8	.2807	5.81	0.39
100	14.13	33.54	25.05	294.6	.3595	5.87	0.42
150	11.59	33.68	25.66	237.2	.493	5.07	0.90
200	9.11	33.84	26.22	185.0	.600	4.39	1.52
250	8.07	33.93	26.45	163.7	.688	3.80	1.93
300	7.40	33.96	26.57	152.6	.767	3.22	2.23
400	6.15	34.01	26.78	133.5	.911	1.80	2.78
500	5.38	34.09	26.93	119.2	1.039	0.84	3.07
600	4.88	34.20	27.08	106.0	1.152	0.41	3.20
700	4.54	34.31	27.20	94.7	1.254	0.40	3.26
800	4.25	34.39	27.30	86.3	1.345	0.45	3.29
1000	3.75	34.47	27.41	76.4	1.510	0.62	3.28

STATION 808 (Interpolated Values at Standard Depths)

HORIZON: 31°47' N 125°38' W November 19, 1949 1502 GCT Wire angle: 5°
 Sounding: 2,450 fms. Depth of observation: 1,205 m. Weather: fog
 Sea: moderate Wind: 220°, force 2.

0	18.10	--	--	--	--	5.22	0.45
10	18.11	--	--	--	--	5.23	0.45
20	18.24	--	--	--	--	5.30	0.43
30	18.30	--	--	--	--	5.35	0.39
50	18.26	--	--	--	--	5.37	0.35
75	15.20	--	--	--	--	5.76	0.35
100	14.67	--	--	--	--	5.63	0.36
150	12.10	--	--	--	--	5.07	0.80
200	9.78	--	--	--	--	4.70	1.16
250	8.67	--	--	--	--	4.10	1.58
300	7.73	--	--	--	--	3.35	2.01
400	6.26	--	--	--	--	2.00	2.63
500	5.56	--	--	--	--	1.00	2.90
600	5.05	--	--	--	--	0.50	3.05
700	4.61	--	--	--	--	0.47	3.14
800	4.23	--	--	--	--	0.50	3.18
1000	3.70	--	--	--	--	0.65	3.21

STATION 871 (Interpolated Values at Standard Depths)

HORIZON: 33°00' N 119°00' W November 21, 1949 1411 GCT Wire angle: 11°
 Sounding: 1,060 fms. Depth of observation: 1,296 m. Weather: partly cloudy
 Sea: moderate Wind: 320, force 5.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	C ₂ (ml/L)	PO ₄ -P (µg at/L)
0	17.10	33.57	24.41	352.9	.0000	5.45	0.33
10	17.10	33.57	24.41	353.2	.0354	5.39	0.34
20	17.09	33.34	24.24	369.9	.0718	5.65	0.37
30	13.50	33.18	24.91	306.8	.1057	5.70	0.43
50	11.12	33.04	25.25	274.1	.1641	4.93	1.00
75	10.18	33.33	25.64	237.6	.2284	4.09	1.44
100	9.28	33.69	26.07	197.1	.2831	3.26	1.77
150	8.81	34.00	26.39	167.9	.375	2.36	2.07
200	8.13	34.06	26.54	154.0	.456	1.97	2.28
250	8.14	34.10	26.57	152.3	.533	1.69	2.37
300	8.22	34.13	26.58	152.1	.610	1.40	2.44
400	6.98	34.28	26.88	124.7	.749	0.71	2.81
500	6.21	34.34	27.03	111.3	.868	0.43	2.93
600	5.69	34.35	27.10	105.1	.978	0.35	2.94
700	5.26	34.38	27.18	98.4	1.080	0.36	2.95
800	4.80	34.40	27.24	92.4	1.177	0.42	2.98
1000	4.24	34.43	27.33	85.1	1.356	0.48	3.02

STATION 901 (Interpolated Values at Standard Depths)

CREST: 32°40' N 118°11' W November 19, 1949 1421 GCT Wire angle: 1°
 Sounding: 1,050 fms. Depth of observation: 1,199 m. Weather: fog
 Sea: moderate Wind: 270°, force 2.

0	17.37	33.54	24.33	360.9	.0000	5.18	0.48
10	17.33	33.53	24.33	361.1	.0362	5.06	0.44
20	16.95	33.54	24.43	352.2	.0720	5.10	0.48
30	16.73	33.54	24.48	347.5	.1072	5.30	0.52
50	13.77	33.40	25.02	296.5	.1719	5.55	0.66
75	11.04	33.29	25.46	255.1	.2412	4.45	1.05
100	9.88	33.44	25.78	225.0	.3016	3.70	1.53
150	9.01	33.94	26.31	175.3	.402	2.63	1.86
200	8.26	34.05	26.51	156.7	.486	2.27	2.05
250	7.82	34.15	26.65	144.0	.562	1.83	2.20
300	7.56	34.24	26.76	134.3	.632	1.19	2.41
400	6.78	34.25	26.88	124.1	.762	0.62	2.70
500	6.09	34.30	27.01	112.5	.881	0.40	2.81
600	5.48	34.40	27.16	98.8	.988	0.34	2.86
700	4.96	34.45	27.27	89.3	1.083	0.35	2.94
800	4.54	34.48	27.34	83.1	1.170	0.40	2.98
1000	3.93	34.50	27.42	76.3	1.331	0.57	2.95

STATION 902 (Interpolated Values at Standard Depths)

CREST: 32°18'N 118°50'W November 19, 1949 0917 GCT Wire angle: 5°
 Sounding: 640, 750 fms. Depth of observation: 1,002 m. Weather: fog
 Sea: moderate Wind: 270°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P ($\mu\text{g at/L}$)
0	16.50	33.46	24.47	347.4	.0000	5.45	0.53
10	15.90	33.50	24.64	331.7	.0341	5.63	0.47
20	14.42	33.44	24.92	305.6	.0661	5.58	0.50
30	13.35	33.40	25.10	287.8	.0959	5.50	0.72
50	11.95	33.40	25.38	262.1	.1511	5.07	1.01
75	10.35	33.58	25.80	222.0	.2120	3.91	1.41
100	9.35	33.71	26.07	196.9	.2647	3.28	1.86
150	8.97	33.98	26.35	171.7	.357	2.47	2.09
200	8.12	34.04	26.52	155.5	.440	2.07	2.24
250	7.73	34.10	26.63	146.3	.516	1.72	2.47
300	7.53	34.18	26.72	138.3	.588	1.12	2.70
400	6.89	34.27	26.88	124.2	.720	0.63	2.88
500	6.26	34.32	27.00	113.4	.840	0.45	2.99
600	5.65	34.35	27.10	104.7	.950	0.38	3.06
700	5.11	34.37	27.19	97.3	1.052	0.40	3.11
800	4.61	34.42	27.28	88.5	1.145	0.49	3.15
1000	3.75	34.51	27.44	73.5	1.309	0.75	3.16

STATION 903 (Interpolated Values at Standard Depths)

CREST: 32°03'N 119°32'W November 19, 1949 0345 GCT Wire angle: 4°
 Sounding: 980 fms. Depth of observation: 1,198 m. Weather: cloudy
 Sea: slight Wind: 320°, variable, force 2.

0	18.00	33.50	24.14	378.5	.0000	5.26	0.43
10	17.92	33.54	24.20	373.9	.0378	5.19	0.40
20	17.85	33.54	24.21	372.7	.0752	5.20	0.41
30	17.80	33.53	24.22	372.5	.1127	5.31	0.40
50	15.21	33.39	24.71	326.3	.1829	5.70	0.40
75	12.95	33.37	25.16	283.5	.2595	5.36	0.50
100	11.47	33.41	25.47	254.0	.3272	4.82	0.98
150	9.25	33.72	26.10	195.4	.440	3.97	1.60
200	8.20	33.92	26.42	165.5	.531	2.85	1.83
250	7.58	34.05	26.61	147.7	.610	1.95	2.03
300	7.05	34.14	26.76	134.6	.681	1.48	2.28
400	6.25	34.19	26.90	121.5	.810	0.88	2.58
500	5.86	34.28	27.02	111.2	.928	0.52	2.74
600	5.56	34.37	27.13	102.0	1.035	0.40	2.80
700	5.03	34.40	27.22	94.1	1.134	0.43	2.80
800	4.48	34.43	27.31	86.0	1.225	0.49	2.79
1000	3.83	34.49	27.42	75.9	1.389	0.67	2.79

STATION 904 (Interpolated Values at Standard Depths)

CREST: 31°44'N 120°13'W November 18, 1949 2301 GCT Wire angle: 4°
 Sounding: 2,150 fms. Depth of observation: 1,203 m. Weather: haze
 Sea: moderate Wind: 320°, force 2.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P ($\mu\text{g at/L}$)
0	17.43	33.57	24.34	360.2	.0000	5.47	0.40
10	17.33	33.48	24.29	364.7	.0364	5.46	0.43
20	17.24	33.48	24.31	363.2	.0729	5.75	0.43
30	17.17	33.48	24.33	361.8	.1093	5.89	0.44
50	15.71	33.44	24.63	333.2	.1792	6.04	0.50
75	11.08	33.34	25.49	252.1	.2528	5.02	1.12
100	10.05	33.48	25.78	225.0	.3128	4.20	1.36
150	8.98	33.66	26.09	195.7	.419	3.10	1.78
200	8.40	33.82	26.31	175.8	.512	2.29	2.12
250	7.75	33.94	26.50	158.5	.596	1.85	2.31
300	7.01	34.03	26.67	142.3	.672	1.57	2.43
400	6.27	34.15	26.87	124.7	.807	0.73	2.71
500	5.88	34.20	26.96	117.2	.929	0.43	2.96
600	5.44	34.25	27.05	109.5	1.043	0.35	3.02
700	4.98	34.33	27.17	98.5	1.148	0.37	3.01
800	4.59	34.41	27.28	88.8	1.243	0.49	2.98
1000	3.92	34.49	27.41	77.0	1.410	0.83	2.97

STATION 905 (Interpolated Values at Standard Depths)

CREST: 31°27'N 120°49'W November 18, 1949 1803 GCT Wire angle: 4°
 Sounding: 2,150 fms. Depth of observation: 1,170 m. Weather: partly cloudy
 Sea: rough Wind: 320°, force 3.

0	16.78	33.42	24.38	356.5	.0000	5.40	0.42
10	16.69	33.26	24.27	366.5	.0363	5.40	0.45
20	16.74	33.33	24.31	363.0	.0729	5.40	0.46
30	16.77	33.34	24.32	363.0	.1094	5.45	0.48
50	13.65	33.24	24.92	305.9	.1766	5.64	0.63
75	12.30	33.26	25.20	279.3	.2501	5.32	0.81
100	10.44	33.33	25.59	242.4	.3158	4.67	1.31
150	8.86	33.82	26.24	181.9	.423	2.70	1.87
200	8.24	33.97	26.45	162.4	.509	2.12	2.17
250	7.73	34.04	26.58	150.8	.588	1.43	2.40
300	7.27	34.08	26.68	141.9	.662	0.95	2.68
400	6.48	34.15	26.84	127.5	.798	0.53	2.82
500	6.07	34.20	26.93	119.6	.922	0.38	2.85
600	5.80	34.24	27.00	114.8	1.041	0.35	2.86
700	5.33	34.33	27.13	103.0	1.150	0.37	2.90
800	4.84	34.42	27.26	91.3	1.249	0.42	2.96
1000	4.10	34.49	27.39	79.1	1.421	0.62	3.02

STATION 906 (Interpolated Values at Standard Depths)

CREST: 31°07'N 121°30'W November 18, 1949 1331 GCT Wire angle: 0°
 Sounding: 2,200 fms. Depth of observation: 1,203 m. Weather: clear
 Sea: moderate Wind: calm.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P ($\mu\text{g at/L}$)
0	17.10	33.37	24.26	367.3	.0000	5.60	0.44
10	16.94	33.30	24.24	369.2	.0370	5.50	0.43
20	16.82	33.30	24.27	366.7	.0739	5.65	0.49
30	16.52	33.30	24.34	360.3	.1104	5.51	0.53
50	15.50	33.30	24.57	338.9	.1807	5.18	0.58
75	12.26	33.46	25.37	264.0	.2565	5.44	0.74
100	10.80	33.42	25.60	241.8	.3201	5.04	1.04
150	9.20	33.74	26.12	193.1	.430	3.18	1.78
200	8.52	34.03	26.45	162.2	.519	2.48	2.11
250	7.98	34.08	26.57	151.2	.598	1.85	2.32
300	7.53	34.07	26.63	146.3	.673	1.30	2.50
400	6.66	34.08	26.76	135.2	.815	0.82	2.74
500	5.88	34.26	27.01	112.8	.940	0.62	2.92
600	5.24	34.40	27.19	95.8	1.045	0.40	3.04
700	4.87	34.44	27.27	89.1	1.138	0.42	3.06
800	4.58	34.48	27.33	83.6	1.226	0.53	3.06
1000	3.98	34.55	27.45	73.1	1.384	0.74	3.04

STATION 907 (Interpolated Values at Standard Depths)

CREST: 30°48'N 122°15'W November 18, 1949 0732 GCT Wire angle: 9°
 Sounding: 2,350 fms. Depth of observation: 1,196 m. Weather: partly cloudy
 Sea: moderate Wind: 360°, force 1.

0	17.73	33.51	24.22	371.4	.0000	5.41	0.38
10	17.66	33.42	24.17	376.5	.0375	5.36	0.43
20	17.62	33.45	24.20	373.8	.0752	5.50	0.44
30	17.58	33.45	24.21	373.3	.1127	5.55	0.43
50	16.75	33.36	24.33	361.8	.1866	5.42	0.44
75	12.50	33.28	25.18	281.7	.2675	5.62	0.65
100	11.10	33.47	25.59	243.4	.3335	5.02	0.86
150	9.22	33.86	26.21	184.5	.441	3.39	1.38
200	8.33	33.90	26.38	168.9	.530	2.82	1.97
250	7.58	33.97	26.55	153.7	.611	2.12	2.37
300	7.00	34.05	26.69	140.6	.686	1.50	2.58
400	6.26	34.14	26.86	125.3	.820	0.79	2.83
500	5.86	34.25	27.00	113.3	.940	0.51	2.95
600	5.40	34.34	27.13	102.2	1.049	0.41	3.01
700	4.94	34.41	27.24	92.3	1.147	0.45	3.06
800	4.55	34.46	27.32	84.7	1.236	0.52	3.10
1000	3.87	34.53	27.45	73.3	1.396	0.70	3.10

STATION 908 (Interpolated Values at Standard Depths)

CREST: 30°30'N 122°56'W November 18, 1949 0216 GCT Wire angle: 7°
 Sounding: 2,350 fms. Depth of observation: 1,181 m. Weather: fog
 Sea: moderate Wind: 040°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P ($\mu\text{g at}/\text{L}$)
0	18.10	33.42	24.06	386.7	.0000	5.36	0.38
10	17.59	33.42	24.18	375.1	.0382	5.37	0.41
20	17.34	33.40	24.23	371.2	.0757	5.40	0.42
30	17.13	33.35	24.24	370.5	.1129	5.48	0.43
50	13.65	33.23	24.91	306.5	.1810	5.92	0.45
75	11.28	33.13	25.29	270.7	.2535	5.57	0.43
100	10.76	33.41	25.60	241.9	.3180	5.00	0.50
150	9.04	33.76	26.16	189.2	.427	3.55	1.10
200	8.48	34.00	26.44	163.9	.515	2.34	1.86
250	7.97	34.13	26.62	147.4	.594	1.80	2.22
300	7.33	34.20	26.77	134.0	.665	1.36	2.46
400	6.17	34.22	26.94	118.1	.792	0.72	2.77
500	5.61	34.22	27.00	112.6	.908	0.47	2.98
600	5.12	34.22	27.07	107.6	1.019	0.40	3.12
700	4.77	34.33	27.19	95.9	1.122	0.40	3.16
800	4.44	34.41	27.30	87.0	1.214	0.45	3.18
1000	3.84	34.48	27.41	76.8	1.380	0.66	3.16

STATION 909 (Interpolated Values at Standard Depths)

CREST: 30°10'N 123°37'W November 17, 1949 2117 GCT Wire angle: 3°
 Sounding: 2,375 fms. Depth of observation: 1,200 m. Weather: partly cloudy
 Sea: moderate Wind: 040°, force 1.

0	18.07	33.44	24.08	384.5	.0000	5.35	0.52
10	18.02	33.42	24.08	385.0	.0386	5.27	0.43
20	17.98	33.42	24.09	384.5	.0773	5.30	0.43
30	17.95	33.42	24.09	383.9	.1158	5.33	0.45
50	17.35	33.42	24.24	370.7	.1917	5.32	0.57
75	14.15	33.38	24.92	306.2	.2768	5.78	0.78
100	13.58	33.41	25.07	293.2	.3522	5.74	1.00
150	10.89	33.43	25.59	243.5	.487	4.94	1.64
200	8.93	33.76	26.18	188.4	.596	3.38	2.19
250	7.97	33.94	26.47	161.5	.684	2.72	2.44
300	7.18	34.03	26.65	144.4	.761	2.20	2.60
400	6.02	34.06	26.83	128.2	.899	1.20	2.98
500	5.46	34.21	27.02	111.3	1.019	0.60	3.05
600	5.05	34.33	27.16	98.5	1.125	0.36	3.07
700	4.62	34.33	27.21	94.1	1.222	0.45	3.13
800	4.28	34.33	27.25	91.1	1.316	0.55	3.18
1000	3.75	34.40	27.36	81.5	1.490	0.72	3.18

STATION 910 (Interpolated Values at Standard Depths)

CREST: 29°50'N 124°16'W November 17, 1949 1423 GCT Wire angle: 5°
 Sounding: 2,400 fms. Depth of observation: 1,200 m. Weather: partly cloudy
 Sea: moderate Wind: 020°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	18.54	33.58	24.07	385.4	.0000	5.37	0.51
10	18.41	33.55	24.08	384.6	.0386	5.19	0.40
20	18.35	33.55	24.10	383.6	.0772	5.23	0.42
30	18.34	33.58	24.12	381.5	.1156	5.27	0.46
50	18.42	33.70	24.20	376.8	.1918	5.34	0.44
75	15.18	33.58	24.86	312.5	.2785	5.78	0.40
100	14.28	33.65	25.10	289.7	.3542	5.72	0.38
150	11.30	33.49	25.57	246.3	.489	5.02	0.92
200	9.32	33.73	26.09	196.6	.601	3.88	1.58
250	8.25	33.95	26.43	165.0	.692	3.00	1.94
300	7.58	34.05	26.61	148.5	.771	2.37	2.20
400	6.22	34.07	26.81	130.1	.911	1.67	2.57
500	5.49	34.10	26.93	119.8	1.037	1.02	2.83
600	5.05	34.25	27.10	104.4	1.150	0.48	3.00
700	4.70	34.37	27.23	92.1	1.249	0.51	3.06
800	4.38	34.44	27.32	84.1	1.338	0.59	3.08
1000	3.80	34.50	27.43	74.7	1.499	0.76	3.08

STATION 911 (Interpolated Values at Standard Depths)

CREST: 29°34'N 124°52'W November 17, 1949 0946 GCT Wire angle: 6°
 Sounding: 2,300 fms. Depth of observation: 1,202 m. Weather: fog
 Sea: moderate Wind: calm.

0	18.64	33.51	23.99	393.0	.0000	5.23	0.39
10	18.62	33.51	24.00	392.5	.0394	5.17	0.38
20	18.60	33.52	24.01	391.8	.0788	5.24	0.39
30	18.55	33.53	24.03	390.0	.1180	5.27	0.42
50	18.46	33.50	24.03	390.5	.1965	5.16	0.40
75	15.00	33.46	24.81	317.5	.2855	5.78	0.41
100	13.32	33.49	25.18	282.4	.3610	5.48	0.53
150	10.95	33.51	25.64	238.8	.492	4.67	1.06
200	9.14	33.77	26.14	190.8	.600	3.36	1.75
250	8.26	33.95	26.43	165.0	.690	2.85	2.05
300	7.60	34.04	26.60	149.6	.769	2.43	2.25
400	6.53	34.14	26.83	129.0	.910	1.20	2.70
500	5.80	34.23	26.99	114.1	1.032	0.62	2.92
600	5.18	34.30	27.12	102.3	1.141	0.39	3.02
700	4.72	34.36	27.22	93.2	1.240	0.39	3.05
800	4.33	34.41	27.30	85.9	1.331	0.46	3.08
1000	3.75	34.49	27.43	74.9	1.493	0.70	3.14

STATION 1001 (Interpolated Values at Standard Depths)

CREST: 31°24'N 116°56'W November 14, 1949 1333 GCT Wire angle: 0°
 Sounding: 450 fms. Depth of observation: 637 m. Weather: clear Sea:
 moderate Wind: calm.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P ($\mu\text{g at/L}$)
0	17.46	33.65	24.39	355.0	.0000	5.63	0.44
10	17.41	33.64	24.39	354.9	.0356	5.58	0.42
20	17.37	33.62	24.39	355.8	.0713	5.77	0.44
30	14.60	33.55	24.96	301.6	.1043	5.78	0.55
50	11.88	33.45	25.43	257.0	.1605	5.30	0.99
75	10.35	33.54	25.77	224.9	.2210	4.37	1.46
100	9.89	33.71	25.99	205.1	.2751	3.25	1.84
150	9.54	34.12	26.36	170.4	.370	2.22	2.15
200	9.16	34.21	26.50	158.5	.452	1.77	2.31
250	8.49	34.22	26.61	148.5	.530	1.54	2.45
300	7.69	34.21	26.72	138.4	.602	1.36	2.52
400	6.69	34.27	26.91	121.3	.733	0.80	2.72
500	6.05	34.33	27.04	109.8	.849	0.51	2.89
600	5.53	34.38	27.14	101.0	.956	0.41	3.03

STATION 1002 (Interpolated Values at Standard Depths)

CREST: 31°03'N 117°35'W November 14, 1940 1840 GCT Wire angle: 0°
 Sounding: 880 fms. Depth of observation: 1,206 m. Weather: haze
 Sea: slight Wind: variable, force 1.

0	17.69	33.62	24.31	362.6	.0000	5.46	0.42
10	17.49	33.63	24.37	357.7	.0362	5.43	0.45
20	15.75	33.53	24.69	326.6	.0705	6.05	0.50
30	12.55	33.49	25.33	266.0	.1003	6.05	0.72
50	11.15	33.62	25.69	232.2	.1503	3.11	1.36
75	10.58	33.74	25.89	213.9	.2064	2.44	1.88
100	10.34	33.85	26.02	202.3	.2588	2.14	2.12
150	9.85	34.04	26.25	181.3	.355	1.94	2.24
200	9.52	34.20	26.43	164.9	.443	1.50	2.40
250	9.20	34.31	26.57	152.8	.523	1.19	2.54
300	8.67	34.32	26.66	144.6	.597	1.04	2.63
400	7.28	34.29	26.84	128.0	.735	0.75	2.87
500	6.36	34.31	26.98	115.3	.858	0.45	3.06
600	5.71	34.36	27.10	104.8	.969	0.34	3.15
700	5.19	34.39	27.19	96.7	1.070	0.32	3.17
800	4.78	34.42	27.26	90.5	1.165	0.36	3.18
1000	4.06	34.49	27.41	78.6	1.336	0.55	3.18

STATION 1003 (Interpolated Values at Standard Depths)

CREST: 30°40'N 118°12'W November 14, 1949 2358 GCT Wire angle: 0°
 Sounding: 1,260 fms. Depth of observation: 1,203 m. Weather: partly cloudy
 Sea: rough Wind: 330°, force 1.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P ($\mu\text{g at/L}$)
0	18.52	33.67	24.15	378.4	.0000	5.55	0.38
10	17.36	33.60	24.38	356.6	.0369	5.70	0.40
20	16.85	33.54	24.45	350.0	.0724	6.02	0.43
30	14.35	33.53	25.00	298.0	.1049	6.01	0.50
50	12.23	33.53	25.43	257.7	.1608	5.29	0.96
75	11.00	33.54	25.66	235.8	.2228	4.38	1.25
100	10.10	33.67	25.92	211.7	.2791	3.38	1.69
150	9.22	34.05	26.36	170.4	.375	2.56	2.11
200	8.93	34.16	26.49	158.7	.458	2.00	2.33
250	8.49	34.21	26.60	149.3	.536	1.48	2.50
300	7.83	34.23	26.71	139.1	.608	1.14	2.65
400	6.93	34.30	26.90	122.8	.740	0.70	2.84
500	6.23	34.33	27.02	112.3	.859	0.45	3.00
600	5.63	34.36	27.11	103.7	.968	0.38	3.11
700	5.11	34.39	27.20	95.8	1.069	0.42	3.14
800	4.67	34.44	27.29	87.5	1.161	0.48	3.14
1000	3.98	34.50	27.41	76.9	1.327	0.65	3.16

STATION 1004 (Interpolated Values at Standard Depths)

CREST: 30°21'N 118°50'W November 15, 1949 0546 GCT Wire angle: 5°
 Sounding: 2,030 fms. Depth of observation: 1,191 m. Weather: clear
 Sea: rough Wind: variable, force 0-1.

0	18.26	33.51	24.09	383.6	.0000	5.31	0.42
10	18.13	33.53	24.13	379.7	.0383	5.29	0.36
20	18.08	33.54	24.15	378.2	.0764	4.85	0.36
30	18.05	33.55	24.17	377.0	.1143	4.85	0.39
50	15.95	33.39	24.54	341.8	.1865	5.58	0.43
75	13.66	33.37	25.02	297.1	.2668	5.59	0.46
100	12.93	33.42	25.20	280.1	.3394	5.46	0.62
150	9.63	33.60	25.94	210.3	.463	3.85	1.51
200	8.57	33.89	26.34	173.1	.559	3.10	1.91
250	7.78	33.96	26.51	157.3	.643	2.50	2.15
300	7.22	33.98	26.61	148.8	.720	1.96	2.36
400	6.41	34.14	26.84	127.4	.859	1.12	2.66
500	5.73	34.27	27.03	110.4	.979	0.64	2.89
600	5.21	34.33	27.14	100.6	1.085	0.37	2.98
700	4.92	34.35	27.19	96.4	1.185	0.38	3.04
800	4.66	34.37	27.24	92.7	1.280	0.44	3.08
1000	3.95	34.41	27.34	83.3	1.458	0.60	3.10

STATION 1005 (Interpolated Values at Standard Depths)

CREST: 29°56'N 119°29'W November 15, 1949 1109 GCT Wire angle: 12°
 Sounding: 1,945 fms. Depth of observation: 1,185 m. Weather: clear
 Sea: moderate Wind: calm.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P ($\mu\text{g at/L}$)
0	18.97	33.71	24.07	386.0	.0000	5.30	0.39
10	18.97	33.66	24.03	390.0	.0390	5.55	0.37
20	18.92	33.72	24.08	384.8	.0778	5.60	0.38
30	18.87	33.73	24.10	383.3	.1164	5.62	0.40
50	18.49	33.73	24.20	374.8	.1926	5.62	0.40
75	15.50	33.56	24.77	320.5	.2800	5.73	0.41
100	13.83	33.61	25.17	283.6	.3560	5.60	0.59
150	10.85	33.68	25.80	204.3	.479	4.48	1.33
200	9.25	33.80	26.16	190.4	.578	3.70	1.73
250	8.41	33.94	26.40	168.0	.668	3.13	1.99
300	7.70	34.04	26.59	151.0	.749	2.42	2.31
400	6.55	34.08	26.78	133.6	.892	1.25	2.79
500	5.79	34.20	26.97	116.2	1.018	0.68	2.99
600	5.25	34.30	27.11	103.3	1.129	0.44	3.12
700	4.85	34.35	27.20	95.6	1.229	0.50	3.18
800	4.50	34.39	27.27	89.2	1.323	0.58	3.22
1000	3.88	34.46	27.39	78.7	1.492	0.75	3.24

STATION 1006 (Interpolated Values at Standard Depths)

CREST: 29°25'N 120°07'W November 15, 1949 1703 GCT Wire angle: 3°
 Sounding: 2,200 fms. Depth of observation: 1,203 m. Weather: haze
 Sea: rough Wind: 340°, force 2.

0	19.21	33.69	23.99	393.4	.0000	5.27	0.37
10	19.17	33.62	23.95	397.8	.0397	5.14	0.41
20	19.15	33.69	24.00	392.6	.0794	5.17	0.41
30	19.15	33.71	24.02	391.5	.1188	5.20	0.40
50	19.15	33.69	24.00	393.5	.1976	5.12	0.38
75	14.90	33.54	24.89	309.6	.2860	5.60	0.40
100	14.41	33.70	25.12	288.5	.3613	5.30	0.45
150	10.74	33.49	26.66	236.9	.493	4.49	1.10
200	8.81	33.79	26.22	184.2	.599	3.65	1.60
250	8.08	33.88	26.41	167.5	.688	2.85	1.96
300	7.50	33.96	26.55	154.1	.769	2.13	2.26
400	6.50	34.10	26.80	131.3	.913	1.04	2.70
500	5.77	34.20	26.97	116.2	1.038	0.57	2.95
600	5.27	34.23	27.06	108.5	1.151	0.42	3.02
700	4.86	34.26	27.13	102.3	1.257	0.43	3.02
800	4.53	34.34	27.23	93.3	1.356	0.49	3.02
1000	3.92	34.44	27.37	80.6	1.532	0.62	3.04

STATION 1007 (Interpolated Values at Standard Depths)

CREST: 29°09'N 120°46'W November 15, 1949 2158 GCT Wire angle: 0°
 Sounding: 2,125 fms. Depth of observation: 1,203 m. Weather: cloudy
 Sea: moderate Wind: variable, force 0-1.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	19.19	33.44	23.80	411.1	.0000	5.20	0.36
10	18.59	33.49	23.99	393.3	.0404	5.11	0.38
20	18.55	33.35	23.89	403.0	.0804	5.22	0.39
30	18.53	33.36	23.91	401.9	.1208	5.31	0.40
50	18.51	33.44	23.97	396.4	.2010	5.34	0.38
75	14.75	33.51	24.90	308.7	.2896	5.81	0.35
100	14.10	33.61	25.11	288.9	.3648	5.60	0.37
150	10.66	33.50	25.69	234.5	.496	4.67	1.12
200	8.90	33.70	26.14	192.3	.604	3.87	1.60
250	8.13	33.88	26.39	168.3	.695	3.10	1.94
300	7.48	33.96	26.56	153.7	.776	2.39	2.23
400	6.40	34.03	26.76	135.3	.922	1.15	2.67
500	5.68	34.12	26.92	120.8	1.051	0.57	2.92
600	5.17	34.21	27.05	108.8	1.167	0.40	3.02
700	4.80	34.27	27.14	100.9	1.272	0.41	3.06
800	4.49	34.33	27.23	93.5	1.371	0.49	3.08
1000	3.89	34.43	27.37	80.9	1.547	0.69	3.08

STATION 1008 (Interpolated Values at Standard Depths)

CREST: 28°43'N 121°15'W November 16, 1949 0300 GCT Wire angle: 20°
 Sounding: 2,400 fms. Depth of observation: 1,203 m. Weather: cloudy
 Sea: missing Wind: 340°, force 2.

0	18.88	33.53	23.95	397.0	.0000	5.27	0.38
10	18.37	33.48	24.04	388.7	.0394	5.18	0.40
20	18.29	33.50	24.07	385.8	.0783	5.14	0.41
30	18.25	33.50	24.09	385.0	.1170	5.16	0.41
50	17.40	33.49	24.28	366.9	.1926	5.45	0.39
75	14.75	33.56	24.94	305.1	.2770	5.65	0.36
100	13.95	33.63	25.16	284.5	.3512	5.53	0.40
150	12.30	33.60	25.47	256.1	.487	4.89	0.82
200	9.09	33.75	26.15	191.4	.600	4.00	1.54
250	8.21	33.98	26.46	162.1	.689	3.12	2.02
300	7.74	34.11	26.63	146.6	.768	2.30	2.33
400	6.66	34.20	26.86	126.1	.904	1.18	2.75
500	6.00	34.28	27.01	112.8	1.025	0.65	2.99
600	5.46	34.36	27.14	101.5	1.133	0.45	3.09
700	4.95	34.43	27.25	91.0	1.230	0.46	3.17
800	4.53	34.48	27.34	83.1	1.318	0.55	3.24
1000	3.90	34.54	27.45	73.1	1.476	0.68	3.30

STATION 1009 (Interpolated Values at Standard Depths)

CREST: 28°31'N 121°52'W November 16, 1949 1143 GCT Wire angle: 0°
 Sounding: 2,225 fms. Depth of observation: 1,201 m. Weather: cloudy
 Sea: moderate Wind: 040°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P ($\mu\text{g at/L}$)
0	18.55	33.66	24.13	379.8	.0000	4.73	0.51
10	18.54	33.66	24.13	279.7	.0381	5.16	0.46
20	18.53	33.66	24.13	380.0	.0763	5.19	0.46
30	18.55	33.66	24.13	380.7	.1145	5.22	0.46
50	18.90	34.02	24.32	363.4	.1892	5.30	0.46
75	15.10	33.65	24.93	305.7	.2734	5.65	0.46
100	14.65	33.71	25.07	292.8	.3486	5.55	0.45
150	11.29	33.54	25.61	242.2	.483	4.83	1.02
200	9.85	33.70	25.98	207.4	.597	4.15	1.37
250	8.80	33.97	26.37	171.7	.692	3.38	1.75
300	7.93	34.07	26.58	152.1	.774	2.56	2.12
400	6.66	34.18	26.84	127.7	.915	1.40	2.58
500	5.98	34.27	27.00	113.2	1.036	0.85	2.78
600	5.45	34.34	27.12	102.8	1.145	0.46	2.94
700	5.02	34.40	27.22	93.8	1.244	0.45	3.07
800	4.65	34.45	27.30	86.6	1.335	0.50	3.14
1000	4.02	34.50	27.41	77.3	1.501	0.67	3.18

STATION 1010 (Interpolated Values at Standard Depths)

CREST: 28°09'N 122°26'W November 16, 1949 1547 GCT Wire angle: 5°
 Sounding: 2,400 fms. Depth of observation: 1,202 m. Weather: haze
 Sea: moderate Wind: 340°, force 2.

0	19.23	34.05	24.26	367.9	.0000	5.07	0.39
10	19.23	34.05	24.26	368.2	.0370	5.12	0.38
20	19.20	34.05	24.26	367.7	.0739	5.10	0.38
30	19.14	34.05	24.28	366.7	.1108	5.07	0.38
50	18.93	34.02	24.31	364.4	.1842	5.24	0.37
75	16.28	33.79	24.77	320.6	.2703	5.51	0.39
100	14.85	33.89	25.17	283.6	.3464	5.40	0.42
150	13.45	33.73	25.34	268.5	.485	4.82	0.72
200	10.40	33.84	26.00	206.1	.605	3.24	1.70
250	9.18	33.98	26.31	176.6	.701	2.74	1.97
300	8.23	34.07	26.53	156.6	.785	2.59	2.09
400	6.83	34.15	26.79	132.4	.931	1.45	2.61
500	6.12	34.21	26.93	119.6	1.058	0.71	2.87
600	5.60	34.35	27.11	104.0	1.171	0.49	2.97
700	5.15	34.39	27.20	96.4	1.272	0.49	3.04
800	4.75	34.43	27.27	89.4	1.366	0.54	3.08
1000	4.05	34.49	27.40	78.5	1.536	0.73	3.11

STATION 1011 (Interpolated Values at Standard Depths)

CREST: 27°56'N 122°59'W November 16, 1949 1953 GCT Wire angle: 5°
 Sounding: 2,350 fms. Depth of observation: 1,197 m. Weather: cloudy
 Sea: slight Wind: 020°, force 1.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P ($\mu\text{g at/L}$)
0	19.40	34.05	24.21	371.9	.0000	5.10	0.36
10	19.18	34.08	24.29	364.7	.0370	5.00	0.35
20	19.14	34.06	24.28	365.6	.0736	5.08	0.36
30	19.09	34.05	24.29	365.4	.1103	5.15	0.36
50	18.92	34.07	24.35	360.2	.1833	5.20	0.35
75	16.38	33.78	24.74	323.5	.2692	5.45	0.37
100	14.70	33.74	25.09	291.5	.3466	5.35	0.50
150	11.90	33.65	25.58	245.0	.482	4.05	1.24
200	10.20	33.87	26.06	200.4	.594	3.00	1.76
250	9.50	34.10	26.36	173.0	.688	2.24	2.08
300	8.90	34.21	26.54	156.5	.771	1.60	2.30
400	7.86	34.30	26.77	135.8	.918	0.80	2.62
500	6.92	34.33	26.92	121.8	1.048	0.49	2.81
600	6.06	34.35	27.05	109.8	1.165	0.39	2.91
700	5.34	34.40	27.18	98.1	1.270	0.41	2.93
800	4.82	34.43	27.27	90.4	1.365	0.49	2.94
1000	4.08	34.48	27.39	79.6	1.537	0.69	2.94

STATION 1061 (Interpolated Values at Standard Depths)

CREST: 30°14'N 116°21'W November 14, 1949 1627 GCT Wire angle: 3°
 Sounding: 1,120 fms. Depth of observation: 1,206 m. Weather: clear
 Sea: very rough Wind: calm.

0	18.16	33.63	24.20	372.8	.0000	5.35	0.39
10	17.92	33.62	24.25	368.5	.0372	5.27	0.42
20	17.86	33.60	24.26	368.4	.0742	5.30	0.42
30	17.82	33.58	24.25	369.4	.1112	5.43	0.42
50	13.88	33.40	25.00	298.5	.1784	5.84	0.48
75	11.54	33.40	25.45	255.7	.2480	4.96	0.94
100	10.07	33.57	25.84	218.6	.3077	3.83	1.56
150	9.37	33.96	26.27	179.4	.408	2.79	1.98
200	8.63	34.10	26.49	158.7	.493	2.27	2.19
250	8.12	34.18	26.63	146.0	.570	1.74	2.44
300	7.69	34.24	26.75	136.1	.641	1.09	2.70
400	6.93	34.30	26.90	122.7	.771	0.58	2.92
500	6.25	34.35	27.03	111.1	.889	0.40	3.02
600	5.62	34.40	27.15	100.5	.996	0.30	3.08
700	5.06	34.44	27.25	91.5	1.093	0.35	3.12
800	4.61	34.47	27.32	84.8	1.182	0.45	3.16
1000	3.93	34.52	27.43	74.8	1.343	0.66	3.20

STATION 1101 (Interpolated Values at Standard Depths)

CREST: 29°30'N 116°05'W November 13, 1949 2329 GCT Wire angle: 0°
 Sounding: 1,280 fms. Depth of observation: 1,201 m. Weather: clear
 Sea: moderate Wind: 320°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P ($\mu\text{g } \mu\text{t/L}$)
0	18.44	33.54	24.07	386.0	.0000	5.94	0.43
10	17.86	33.58	24.24	369.8	.0379	5.52	0.43
20	17.77	33.57	24.25	368.6	.0750	5.63	0.44
30	17.74	33.53	24.23	371.3	.1122	5.81	0.46
50	14.70	33.40	24.82	315.0	.1811	6.00	0.51
75	11.82	33.40	25.40	260.3	.2534	5.30	0.98
100	10.39	33.48	25.72	230.4	.3152	4.47	1.36
150	9.04	33.92	26.29	177.1	.418	3.24	1.88
200	8.52	34.09	26.50	157.9	.502	2.45	2.14
250	8.18	34.19	26.63	146.3	.579	1.72	2.44
300	7.88	34.27	26.74	136.5	.650	1.02	2.72
400	6.98	34.31	26.90	122.5	.780	0.55	2.94
500	6.22	34.33	27.02	112.1	.899	0.41	3.05
600	5.64	34.37	27.12	103.0	1.007	0.35	3.12
700	5.17	34.40	27.20	95.8	1.108	0.37	3.13
800	4.78	34.44	27.28	89.1	1.201	0.44	3.12
1000	4.08	34.50	27.40	78.1	1.370	-	3.11

STATION 1102 (Interpolated Values at Standard Depths)

CREST: 29°12'N 116°41'W November 13, 1949 1827 GCT Wire angle: 7°
 Sounding: 2,200 fms. Depth of observation: 1,189 m. Weather: partly cloudy
 Sea: moderate Wind: 360°, force 3.

0	17.78	33.62	24.29	364.6	.0000	5.43	0.45
10	17.54	33.62	24.35	359.6	.0364	5.33	0.46
20	17.51	33.61	24.35	360.0	.0725	5.30	0.45
30	17.50	33.60	24.34	360.7	.1086	5.35	0.46
50	15.80	33.33	24.53	343.2	.1794	5.73	0.54
75	12.56	33.35	25.22	277.6	.2574	5.28	0.82
100	11.03	33.50	25.62	239.8	.3225	4.05	1.39
150	8.94	33.80	26.21	184.7	.429	3.42	1.74
200	8.30	34.01	26.47	160.4	.516	3.11	2.12
250	7.88	34.15	26.65	144.7	.593	2.47	2.39
300	7.46	34.21	26.75	135.0	.664	1.28	2.57
400	6.39	34.21	26.90	121.7	.793	0.79	2.79
500	5.85	34.33	27.06	107.3	.908	0.48	2.96
600	5.60	34.40	27.15	100.2	1.013	0.29	3.05
700	5.16	34.41	27.21	95.0	1.112	0.30	3.08
800	4.70	34.43	27.28	88.8	1.204	0.38	3.09
1000	3.99	34.48	27.40	78.5	1.374	0.60	3.12

STATION 1103 (Interpolated Values at Standard Depths)

CREST: 28°54'N 117°19'W November 13, 1949 1333 GCT Wire angle: 18°
 Sounding: 2,000 fms. Depth of observation: 1,151 m. Weather: partly cloudy
 Sea: moderate Wind: 320°, force 2.

Depth (m)	T (°C)	S (°/oo)	σ _t (mg/cm ³)	10 ⁵ σ _θ	Δ D (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μg at/L)
0	19.05	33.80	24.11	381.5	.0000	5.28	0.39
10	19.05	33.82	24.13	380.5	.0382	5.20	0.40
20	19.05	33.84	24.14	379.2	.0764	5.17	0.41
30	19.04	33.83	24.14	380.2	.1145	5.18	0.42
50	17.75	33.77	24.41	354.5	.1884	5.38	0.40
75	15.55	33.76	24.92	307.0	.2715	5.69	0.40
100	15.28	33.90	25.08	291.7	.3468	5.50	0.40
150	11.85	33.59	25.54	248.6	.483	4.72	1.07
200	9.46	33.92	26.22	184.8	.592	3.35	1.89
250	8.74	34.00	26.40	168.8	.681	2.40	2.24
300	8.17	34.04	26.52	158.1	.763	1.76	2.50
400	7.24	34.18	26.76	135.7	.911	0.94	2.88
500	6.62	34.26	26.91	122.6	1.042	0.50	3.10
600	5.94	34.29	27.02	112.6	1.160	0.28	3.20
700	5.25	34.30	27.11	104.2	1.270	0.35	3.24
800	4.75	34.31	27.18	98.3	1.372	0.44	3.27
1000	4.03	34.34	27.28	89.2	1.562	0.64	3.26

STATION 1104 (Interpolated Values at Standard Depths)

CREST: 28°33'N 117°58'W November 13, 1949 0806 GCT Wire angle: 8°
 Sounding: 1,975 fms. Depth of observation: 1,175 m. Weather: partly cloudy
 Sea: rough Wind: 020°, force 3.

0	18.86	33.68	24.07	385.6	.0000	5.25	0.38
10	18.85	33.58	24.00	393.0	.0391	5.18	0.38
20	18.83	33.63	24.04	389.4	.0784	5.25	0.39
30	18.78	33.64	24.07	387.7	.1174	5.30	0.40
50	17.00	33.58	24.45	351.3	.1916	5.32	0.42
75	15.52	33.66	24.85	313.5	.2752	5.78	0.39
100	14.04	33.51	25.05	295.4	.3518	5.48	0.46
150	10.97	33.62	25.73	231.0	.484	3.78	1.54
200	10.03	33.99	26.18	189.0	.590	2.39	2.09
250	9.28	34.15	26.43	165.9	.680	1.90	2.33
300	8.48	34.22	26.61	149.3	.759	1.51	2.48
400	7.70	34.27	26.77	135.7	.903	0.62	2.76
500	7.03	34.30	26.89	125.3	1.034	0.37	2.96
600	6.11	34.34	27.04	111.3	1.154	0.35	3.04
700	5.40	34.37	27.15	101.0	1.261	0.35	3.11
800	4.87	34.41	27.25	92.4	1.358	0.40	3.17
1000	4.10	34.49	27.39	79.1	1.532	0.53	3.18

STATION 1105 (Interpolated Values at Standard Depths)

CREST: 28°10'N 118°38'W November 12, 1949 1534 GCT Wire angle: 25°
 Sounding: 2,150 fms. Depth of observation: 1,177 m. Weather: partly cloudy
 Sea: rough Wind: 020°, force 4.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P ($\mu\text{g at/L}$)
0	18.90	33.77	24.13	380.0	.0000	5.32	0.42
10	18.92	33.78	24.13	380.1	.0382	5.27	0.38
20	18.89	33.77	24.13	380.4	.0763	5.38	0.38
30	18.81	33.77	24.15	378.8	.1144	5.46	0.38
50	15.00	33.75	25.03	295.7	.1822	5.53	0.37
75	14.64	33.72	25.08	291.2	.2560	5.60	0.42
100	12.85	33.68	25.42	259.3	.3253	5.21	0.84
150	10.40	33.83	25.99	205.8	.442	3.03	1.68
200	10.50	34.16	26.23	184.4	.541	2.02	2.06
250	8.88	34.21	26.54	155.3	.626	1.84	2.31
300	8.23	34.23	26.65	145.0	.702	1.66	2.46
400	7.29	34.26	26.82	130.4	.841	1.10	2.67
500	6.58	34.31	26.95	118.4	.966	0.54	2.90
600	5.94	34.37	27.09	106.8	1.080	0.45	3.04
700	5.35	34.41	27.19	97.4	1.183	0.44	3.11
800	4.89	34.44	27.27	90.5	1.278	0.45	3.14
1000	4.18	34.50	27.39	79.3	1.449	0.57	3.12

STATION 1106 (Interpolated Values at Standard Depths)

CREST: 27°48'N 119°14'W November 12, 1949 1007 GCT Wire angle: 25°
 Sounding: 1,650 fms. Depth of observation: 1,112 m. Weather: missing
 Sea: rough Wind: 360°, force 3.

0	19.60	33.96	24.09	383.4	.0000	5.09	0.36
10	19.59	33.96	24.09	383.6	.0385	5.09	0.40
20	19.55	33.98	24.12	381.3	.0769	5.07	0.38
30	19.50	33.97	24.13	381.0	.1152	5.16	0.37
50	18.55	33.78	24.22	372.7	.1909	5.74	0.38
75	15.05	33.70	24.98	301.1	.2756	5.56	0.46
100	13.75	33.61	25.18	281.9	.3490	5.25	0.62
150	11.20	33.64	25.70	233.6	.479	4.05	1.44
200	10.09	34.05	26.22	185.4	.584	2.43	2.03
250	9.52	34.21	26.44	165.4	.673	1.88	2.23
300	9.09	34.31	26.59	151.9	.752	1.40	2.47
400	8.07	34.39	26.80	132.5	.896	0.61	2.86
500	7.11	34.42	26.97	117.6	1.022	0.32	2.96
600	6.26	34.44	27.10	105.9	1.135	0.28	3.04
700	5.55	34.45	27.20	97.1	1.237	0.30	3.09
800	5.00	34.46	27.27	90.4	1.332	0.35	3.13
1000	4.24	34.50	27.39	80.1	1.504	0.51	3.16

STATION 1107 (Interpolated Values at Standard Depths)

CREST: 27°27'N 120°00'W November 12, 1949 0439 GCT Wire angle: 0°
 Sounding: 2,200 fms. Depth of observation: 1,207 m. Weather: partly cloudy
 Sea: rough Wind: 040°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5 \delta$	ΔD (dyn.m.)	O_2 (ml/L)	$\text{PO}_4\text{-P}$ ($\mu\text{g at}/\text{L}$)
0	20.31	33.89	23.85	406.1	.0000	5.34	0.37
10	20.34	33.89	23.85	407.2	.0408	4.63	0.34
20	20.33	33.94	23.89	403.8	.0815	4.73	0.34
30	20.30	33.94	23.90	403.2	.1220	4.95	0.34
50	18.09	33.64	24.23	372.0	.2000	5.52	0.34
75	13.55	33.52	25.16	284.0	.2824	5.28	0.57
100	11.80	33.52	25.50	251.8	.3498	4.38	1.05
150	10.06	33.85	26.06	198.7	.463	3.50	1.79
200	9.36	34.03	26.32	175.1	.557	2.44	2.07
250	8.76	34.17	26.53	156.2	.641	1.74	2.32
300	8.22	34.29	26.70	140.4	.715	1.23	2.58
400	7.26	34.32	26.87	125.6	.850	0.62	2.87
500	6.47	34.31	26.97	116.9	.972	0.45	3.02
600	5.75	34.32	27.07	108.1	1.085	0.37	3.11
700	5.20	34.33	27.14	101.4	1.191	0.37	3.16
800	4.77	34.33	27.19	97.1	1.291	0.43	3.18
1000	4.11	34.36	27.29	88.7	1.479	0.60	3.18

STATION 1108 (Interpolated Values at Standard Depths)

CREST: 27°10'N 120°29'W November 11, 1949 2336 GCT Wire angle: 11°
 Sounding: 2,200 fms. Depth of observation: 1,182 m. Weather: partly cloudy
 Sea: high Wind: 040°, force 4.

0	19.66	33.89	24.02	390.0	.0000	5.00	0.40
10	19.68	33.80	23.95	397.3	.0395	4.97	0.38
20	19.64	33.81	23.97	396.0	.0793	5.15	0.39
30	19.61	33.84	24.00	393.4	.1190	5.13	0.40
50	19.73	33.89	24.00	393.4	.1980	5.09	0.38
75	15.55	33.62	24.81	317.3	.2874	5.76	0.42
100	14.43	33.62	25.05	294.9	.3644	5.56	0.41
150	11.22	33.60	25.66	236.9	.498	4.66	1.06
200	9.22	33.86	26.21	185.5	.605	3.61	1.67
250	8.35	33.96	26.43	165.8	.693	2.65	2.07
300	7.81	34.03	26.56	153.5	.774	1.87	2.34
400	7.33	34.39	26.91	121.4	.912	0.69	2.75
500	6.49	34.37	27.01	112.7	1.030	0.40	3.00
600	5.58	34.33	27.10	105.2	1.140	0.33	3.12
700	5.10	34.35	27.17	98.6	1.243	0.35	3.16
800	4.71	34.38	27.24	92.7	1.340	0.44	3.18
1000	4.07	34.45	27.36	81.7	1.516	0.65	3.20

STATION 1109 (Interpolated Values at Standard Depths)

CREST: 26°37'N 121°06'W November 11, 1949 1557 GCT Wire angle: 12°
 Sounding: 2,200 fms. Depth of observation: 1,277 m. Weather: partly cloudy
 Sea: high Wind: 020°, force 5.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P ($\mu\text{g at/L}$)
0	19.65	33.82	23.97	394.8	.0000	5.23	0.40
10	19.65	33.86	24.00	392.4	.0395	5.14	0.40
20	19.64	33.86	24.00	392.6	.0789	5.16	0.40
30	19.64	33.88	24.02	391.4	.1183	5.27	0.40
50	18.76	33.90	24.26	368.8	.1947	5.47	0.38
75	18.50	33.83	24.27	368.7	.2874	5.35	0.40
100	15.10	33.80	25.05	295.3	.3709	5.33	0.47
150	11.40	33.60	25.63	239.9	.506	4.47	1.13
200	9.71	33.89	26.15	191.0	.614	3.29	1.73
250	9.18	34.20	26.48	160.6	.703	2.16	2.11
300	8.84	34.33	26.64	146.8	.780	1.45	2.36
400	7.55	34.34	26.84	128.3	.919	0.79	2.69
500	6.57	34.36	27.00	114.5	1.041	0.51	2.86
600	5.84	34.40	27.12	103.4	1.151	0.37	2.97+
700	5.27	34.45	27.23	93.4	1.250	0.40	3.00
800	4.82	34.48	27.31	86.7	1.341	0.48	3.03
1000	4.12	34.53	27.42	76.4	1.506	0.60	3.04

STATION 1110 (Interpolated Values at Standard Depths)

CREST: 26°14'N 121°44'W November 11, 1949 1013 GCT Wire angle: 18°
 Sounding: 2,300 fms. Depth of observation: 1,188 m. Weather: cloudy
 Sea: missing Wind: 340°, force 3.

0	20.44	34.07	23.96	396.4	.0000	4.97	0.41
10	20.44	34.07	23.96	396.8	.0398	5.16	0.40
20	20.41	34.07	23.96	396.8	.0797	5.17	0.39
30	20.36	34.07	23.98	395.2	.1194	5.16	0.38
50	20.32	34.05	23.98	396.3	.1990	5.15	0.38
75	19.71	34.07	24.15	380.6	.2966	5.42	0.38
100	16.30	33.78	24.76	322.6	.3851	5.34	0.51
150	11.90	33.57	25.52	250.9	.529	4.80	1.01
200	9.94	33.95	26.16	190.4	.640	3.16	1.84
250	9.20	34.16	26.45	164.0	.730	1.93	2.21
300	8.50	34.26	26.64	146.7	.808	1.38	2.40
400	7.29	34.31	26.86	126.6	.946	0.73	2.82
500	6.37	34.34	27.01	113.3	1.067	0.45	3.01
600	5.71	34.38	27.12	103.2	1.176	0.36	3.10
700	5.20	34.42	27.21	94.7	1.276	0.37	3.14
800	4.78	34.46	27.29	87.7	1.368	0.45	3.17
1000	4.08	34.51	27.41	77.4	1.535	0.67	3.19

STATION 1201 (Interpolated Values at Standard Depths)

CREST: 27°30'N 115°18'W November 8, 1949 1516 GCT Wire angle: 28°
 Sounding: 1,550 fms. Depth of observation: 1,072 m. Weather: cloudy
 Sea: high Wind: 330°, force 5.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P ($\mu\text{g at/L}$)
0	19.85	33.73	23.85	406.2	.0000	5.28	0.31
10	19.85	33.73	23.85	406.5	.0408	5.06	0.33
20	18.50	33.64	24.13	380.6	.0803	5.57	0.36
30	15.64	33.60	24.77	319.5	.1155	5.54	0.38
50	14.19	33.59	25.08	290.5	.1768	5.24	0.47
75	13.39	33.79	25.40	261.3	.2462	3.95	1.14
100	12.27	33.75	25.59	243.3	.3097	3.19	1.58
150	11.29	33.98	25.95	210.0	.424	2.58	2.03
200	10.90	34.22	26.21	186.6	.524	1.75	2.27
250	10.40	34.29	26.35	174.2	.614	0.84	2.43
300	9.14	34.28	26.56	155.0	.697	0.83	2.50
400	7.77	34.28	26.76	135.9	.844	0.56	2.68
500	6.75	34.32	26.94	119.9	.973	0.26	2.95
600	5.88	34.36	27.08	106.7	1.087	0.31	3.06
700	5.24	34.38	27.18	98.2	1.191	0.37	3.12
800	4.77	34.40	27.25	91.9	1.287	0.44	3.16
1000	4.09	34.44	27.35	82.6	1.463	0.58	3.21

STATION 1202 (Interpolated Values at Standard Depths)

CREST: 27°06'N 115°53'W November 8, 1949 2059 GCT Wire angle: 8°
 Sounding: 2,075 fms. Depth of observation: 1,287 m. Weather: overcast
 Sea: rough Wind: 330°, force 5.

0	19.73	33.68	23.85	406.8	.0000	5.12	0.44
10	19.63	33.75	23.93	399.7	.0405	5.18	0.43
20	19.50	33.64	23.88	404.6	.0809	5.29	0.46
30	17.75	33.54	24.24	370.6	.1198	5.52	0.52
50	13.80	33.48	25.07	291.3	.1863	5.73	0.66
75	11.50	33.58	25.60	241.7	.2533	4.25	1.48
100	10.18	33.75	25.97	207.0	.3098	2.75	2.07
150	9.79	34.11	26.31	175.3	.406	1.87	2.21
200	9.46	34.20	26.44	164.0	.491	1.27	2.39
250	9.06	34.22	26.52	157.2	.572	0.88	2.50
300	8.54	34.26	26.63	147.3	.649	0.66	2.54
400	7.40	34.36	26.88	124.6	.786	0.47	2.83
500	6.47	34.36	27.01	113.1	.906	0.40	2.97
600	5.79	34.33	27.07	107.9	1.017	0.38	3.04
700	5.22	34.32	27.13	102.4	1.124	0.39	3.04
800	4.73	34.32	27.19	97.3	1.224	0.45	3.04
1000	4.02	34.36	27.30	87.6	1.411	-	-

STATION 1203 (Interpolated Values at Standard Depths)

CREST: 26°40'N 116°28'W November 9, 1949 0259 GCT Wire angle: 5°
 Sounding: 1,900 fms. Depth of observation: 1,208 m. Weather: partly cloudy
 Sea: rough Wind: 340°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P ($\mu\text{g at/L}$)
0	19.80	33.80	23.92	399.9	.0000	5.35	0.36
10	19.80	33.79	23.91	400.9	.0402	5.03	0.35
20	19.73	33.78	23.92	400.2	.0804	5.13	0.35
30	19.23	33.76	24.04	389.7	.1201	5.35	0.38
50	17.74	33.66	24.33	362.3	.1956	5.61	0.52
75	13.22	33.55	25.25	275.4	.2758	5.15	0.80
100	10.70	33.65	25.80	223.2	.3385	3.75	1.52
150	9.77	34.16	26.35	171.2	.438	1.98	2.08
200	9.55	34.33	26.53	155.9	.520	1.16	2.42
250	9.12	34.35	26.61	148.4	.597	0.84	2.52
300	8.38	34.36	26.73	137.5	.669	0.80	2.55
400	7.22	34.38	26.92	120.5	.799	0.55	2.67
500	6.47	34.41	27.05	109.5	.915	0.40	2.79
600	5.85	34.44	27.15	100.5	1.021	0.40	2.91
700	5.33	34.46	27.23	93.3	1.119	0.41	2.97
800	4.84	34.49	27.31	86.1	1.209	0.46	3.01
1000	4.06	34.53	27.43	75.7	1.373	0.63	3.04

STATION 1204 (Interpolated Values at Standard Depths)

CREST: 26°16'N 117°03'W November 9, 1949 0840 GCT Wire angle: 8°
 Sounding: 2,250 fms. Depth of observation: 1,160 m. Weather: cloudy
 Sea: rough Wind: 330°, force 2.

0	19.80	33.95	24.03	389.0	.0000	5.19	0.34
10	19.83	33.95	24.03	389.9	.0391	5.13	0.35
20	19.81	33.95	24.03	389.7	.0782	5.20	0.37
30	19.77	33.94	24.03	390.0	.1174	5.50	0.38
50	16.20	33.68	24.71	326.2	.1894	5.94	0.34
75	14.31	33.62	25.07	291.8	.2670	5.72	0.45
100	12.40	33.60	25.44	257.0	.3361	4.96	0.82
150	10.21	33.85	26.04	201.0	.451	3.07	1.78
200	9.50	34.22	26.45	163.3	.543	1.98	2.22
250	8.93	34.28	26.59	150.8	.622	1.44	2.40
300	8.44	34.33	26.70	140.5	.696	1.04	2.53
400	7.63	34.40	26.88	124.9	.829	0.45	2.84
500	6.88	34.45	27.02	112.3	.949	0.35	3.02
600	6.19	34.47	27.13	102.8	1.057	0.28	3.10
700	5.54	34.48	27.22	94.7	1.157	0.30	3.13
800	4.98	34.49	27.30	87.9	1.249	0.36	3.15
1000	4.20	34.54	27.42	76.7	1.416	0.56	3.17

STATION 1205 (Interpolated Values at Standard Depths)

CREST: 25°51'N 117°35'W November 9, 1949 1410 GCT Wire angle: 14°
 Sounding: 2,200 fms. Depth of observation: 1,141 m. Weather: cloudy
 Sea: rough Wind: 340°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	20.18	33.93	23.92	399.8	.0000	4.52	0.38
10	20.17	33.93	23.92	400.1	.0402	4.42	0.38
20	20.13	33.93	23.93	400.0	.0803	4.45	0.39
30	20.10	33.93	23.94	398.9	.1204	4.57	0.40
50	18.00	33.87	24.43	353.0	.1960	5.25	0.43
75	15.52	33.71	24.89	309.9	.2793	5.47	0.44
100	13.80	33.60	25.17	283.7	.3540	4.92	0.76
150	10.52	33.76	25.92	213.0	.479	3.12	1.70
200	9.53	34.08	26.33	174.0	.576	2.48	2.01
250	9.29	34.35	26.58	151.3	.658	1.42	2.33
300	9.09	34.42	26.67	143.8	.733	0.75	2.53
400	7.80	34.43	26.88	125.3	.868	0.37	2.61
500	6.83	34.44	27.02	112.2	.988	0.38	2.85
600	6.05	34.45	27.13	102.3	1.096	0.39	3.01
700	5.40	34.47	27.23	93.6	1.195	0.40	3.04
800	4.92	34.50	27.31	86.4	1.286	0.42	3.06
1000	4.20	34.56	27.44	75.2	1.449	0.55	3.08

STATION 1206 (Interpolated Values at Standard Depths)

CREST: 25°26'N 118°12'W November 9, 1949 2004 GCT Wire angle: 5°
 Sounding: 2,250 fms. Depth of observation: 1,187 m. Weather: partly cloudy
 Sea: moderate Wind: 340°, force 3.

0	21.56	34.31	23.84	407.7	.0000	5.10	0.32
10	21.30	34.30	23.90	402.1	.0406	5.10	0.35
20	21.25	34.29	23.91	401.9	.0810	5.06	0.36
30	21.21	34.28	23.91	402.0	.1214	5.10	0.37
50	19.35	34.06	24.23	371.4	.1991	5.58	0.40
75	15.61	33.72	24.87	311.2	.2849	5.76	0.44
100	14.10	33.61	25.11	288.9	.3604	5.59	0.52
150	11.60	33.90	25.83	221.3	.489	2.90	1.74
200	10.07	34.20	26.34	174.0	.588	2.00	2.19
250	9.53	34.33	26.53	156.6	.671	1.40	2.40
300	9.01	34.41	26.67	143.5	.747	0.94	2.56
400	7.92	34.45	26.88	125.5	.883	0.43	2.86
500	6.90	34.47	27.04	111.0	1.002	0.27	3.04
600	6.06	34.49	27.16	99.5	1.108	0.25	3.13
700	5.41	34.50	27.25	91.6	1.205	0.29	3.17
800	4.88	34.51	27.32	85.1	1.294	0.36	3.20
1000	4.13	34.54	27.43	75.8	1.457	0.51	3.22

STATION 1207 (Interpolated Values at Standard Depths)

CREST: 25°01'N 118°48'W November 10, 1949 0114 GCT Wire angle: 5°
 Sounding: 2,300 fms. Depth of observation: 1,205 m. Weather: haze
 Sea: rough Wind: 020°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	20.90	34.02	23.80	411.6	.0000	5.13	0.38
10	20.58	34.00	23.87	405.4	.0410	4.88	0.39
20	20.59	34.00	23.86	405.9	.0817	4.96	0.40
30	20.59	33.99	23.86	406.9	.1225	5.36	0.40
50	18.22	33.83	24.34	361.0	.1997	5.68	0.38
75	15.67	33.75	24.88	310.2	.2841	5.64	0.40
100	15.00	33.78	25.05	294.8	.3602	5.50	0.47
150	11.85	33.64	25.58	244.8	.496	4.11	1.22
200	9.63	33.89	26.17	189.6	.605	2.90	1.92
250	9.21	34.19	26.47	161.8	.694	1.98	2.26
300	8.92	34.31	26.61	149.4	.772	1.29	2.47
400	8.00	34.38	26.81	131.9	.914	0.56	2.70
500	7.03	34.39	26.96	118.7	1.040	0.35	2.85
600	6.17	34.40	27.08	107.6	1.154	0.30	2.96
700	5.53	34.43	27.18	98.3	1.258	0.31	3.01
800	4.99	34.46	27.27	90.2	1.353	0.37	3.03
1000	4.13	34.50	27.40	78.7	1.524	0.51	3.04

STATION 1208 (Interpolated Values at Standard Depths)

CREST: 24°37'N 119°21'W November 10, 1949 0611 GCT Wire angle: 5°
 Sounding: 2,300 fms. Depth of observation: 1,182 m. Weather: partly cloudy
 Sea: moderate Wind: variable, force 1.

0	21.35	34.40	23.96	395.8	.0000	5.14	0.35
10	21.23	34.40	23.99	393.2	.0396	5.05	0.38
20	21.20	34.40	24.00	392.6	.0791	5.11	0.36
30	21.19	34.39	24.00	393.5	.1185	5.14	0.35
50	21.20	34.39	24.00	394.3	.1977	5.10	0.38
75	18.05	34.05	24.55	342.0	.2902	5.69	0.40
100	15.95	33.92	24.95	304.6	.3716	5.68	0.41
150	12.61	33.64	25.44	259.1	.513	4.75	1.02
200	10.21	33.90	26.08	198.3	.629	2.97	1.89
250	9.50	34.28	26.49	159.8	.719	1.78	2.32
300	8.96	34.36	26.65	146.2	.796	1.06	2.60
400	7.95	34.43	26.86	127.4	.934	0.42	2.89
500	6.93	34.44	27.01	113.7	1.055	0.41	3.00
600	5.95	34.45	27.15	101.0	1.164	0.45	3.05
700	5.33	34.47	27.24	92.7	1.262	0.46	3.08
800	4.87	34.51	27.32	85.0	1.351	0.49	3.12
1000	4.17	34.55	27.43	75.5	1.514	0.55	3.14

STATION 1209 (Interpolated Values at Standard Depths)

CREST: 24°11'N 119°56'W November 10, 1949 1140 GCT Wire angle: 5°
 Sounding: 2,300 fms. Depth of observation: 1,205 m. Weather: partly cloudy
 Sea: moderate Wind: 170°, force 2.

Depth (m)	$^{\circ}\text{T}$ ($^{\circ}\text{C}$)	S ($^{\circ}/\text{oo}$)	σ_t (mg/cm^3)	$10^5 \delta$	ΔD (dyn.m.)	O_2 (ml/L)	$\text{PO}_4\text{-P}$ ($\mu\text{g at/L}$)
0	21.79	34.51	23.92	399.4	.0000	4.99	0.40
10	21.81	34.38	23.82	409.6	.0406	4.91	0.40
20	21.79	34.45	23.88	404.5	.0815	4.94	0.36
30	21.79	34.51	23.92	400.5	.1219	4.98	0.36
50	21.81	34.49	23.90	403.1	.2026	4.99	0.43
75	18.25	34.04	24.50	347.3	.2970	5.87	0.46
100	16.35	33.91	24.85	314.1	.3802	5.46	0.48
150	13.98	33.74	25.24	278.3	.529	4.55	0.92
200	10.09	33.82	26.04	202.4	.650	3.50	1.71
250	9.39	34.17	26.43	166.3	.743	2.00	2.30
300	8.86	34.30	26.61	149.1	.822	1.15	2.64
400	7.90	34.33	26.78	134.2	.965	0.55	2.92
500	7.05	34.33	26.91	123.5	1.095	0.36	3.08
600	6.25	34.35	27.03	112.5	1.214	0.30	3.20
700	5.57	34.38	27.15	102.4	1.323	0.31	3.24
800	5.04	34.41	27.23	94.6	1.422	0.37	3.26
1000	4.25	34.48	27.37	81.6	1.601	0.52	3.26

STATION 1210 (Interpolated Values at Standard Depths)

CREST: 23°52'N 120°30'W November 10, 1949 1743 GCT Wire angle: 0°
 Sounding: 2,300 fms. Depth of observation: 1,203 m. Weather: partly cloudy
 Sea: moderate Wind: variable, force 1.

0	22.24	34.51	23.80	411.5	.0000	5.04	0.42
10	22.12	34.43	23.77	414.2	.0414	5.00	0.43
20	22.12	34.50	23.83	409.5	.0828	5.10	0.40
30	22.11	34.51	23.84	409.0	.1239	5.08	0.40
50	21.25	34.19	23.83	410.2	.2062	5.28	0.40
75	17.75	33.86	24.48	348.7	.3016	5.69	0.44
100	15.28	33.71	24.94	305.7	.3839	5.56	0.58
150	12.36	33.66	25.50	252.9	.5245	3.94	1.22
200	10.53	34.08	26.16	190.7	.636	2.50	1.97
250	9.68	34.34	26.51	158.3	.724	1.65	2.32
300	9.03	34.40	26.66	144.5	.800	1.16	2.54
400	7.89	34.35	26.80	132.6	.940	0.51	2.92
500	6.93	34.36	26.95	119.6	1.067	0.30	3.08
600	6.12	34.41	27.09	106.2	1.181	0.28	3.14
700	5.51	34.42	27.18	98.7	1.285	0.35	3.21
800	4.97	34.42	27.24	92.9	1.381	0.42	3.26
1000	4.18	34.44	27.34	83.8	1.560	0.56	3.31

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