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**Water Property Observations from
Queen Charlotte Sound,
May and September, 1982**

by
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1987

**Canadian Data Report of
Hydrography and Ocean Sciences
No. 50**

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Canadian Data Report Of Hydrography and Ocean Sciences

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Generally, the reports will contain raw and/or analyzed data but will not contain interpretations of the data. Such compilations will commonly have been prepared in support of work related to the programs and interests of the Ocean Science and Surveys (OSS) sector of the Department of Fisheries and Oceans.

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Les rapports statistiques sont produits à l'échelon régional mais sont numérotés et placés dans l'index à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page de titre. Les rapports épuisés seront fournis contre rétribution par des agents commerciaux.

Les établissements des Sciences et Levés océaniques dans les régions et à l'administration centrale ont cessé de publier leurs diverses séries de rapports depuis décembre 1981. Vous trouverez dans l'index des publications du volume 38 du *Journal canadien des sciences halieutiques et aquatiques*, la liste de ces publications ainsi que le dernier numéro paru dans chaque catégorie. La nouvelle série a commencé avec la publication du Rapport n° 1 en janvier 1982.

1987

WATER PROPERTY OBSERVATIONS FROM QUEEN CHARLOTTE SOUND,
MAY AND SEPTEMBER, 1982.

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Cat. No. Fs 97-16/50 ISSN 0711-6721

Correct citation for this publication:

Crawford, W.R., W.S. Huggett and K.S. Lee. 1987. Water property observations from Queen Charlotte Sound, May and September, 1982. Can. Data Rep. Hydrogr. Ocean Sci. 50:224 p.

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ABSTRACT

Crawford, W.R., W.S. Huggett and K.S. Lee. 1987. Water property observations from Queen Charlotte Sound, May and September, 1982. Can. Data Rep. Hydrogr. Ocean Sci. 50:224 p.

This report presents listings and contour graphs of water property data collected in Queen Charlotte Sound in 1982. Listings include temperature, salinity, density, sound speed and dynamic height anomaly based on CTD profiles. Contour graphs illustrate temperature, salinity and density (sigma-T).

Key words: water properties, oceanography, Queen Charlotte Sound

RESUME

Crawford, W.R., W.S. Huggett and K.S. Lee. 1987. Water property observations from Queen Charlotte Sound, May and September, 1982. Can. Data Rep. Hydrogr. Ocean Sci. 50.

On presente une liste de donnees sur les biens riverains recueillies dans le bassin Reine-Charlotte en 1982 et les courbes tirees de ces donnees. Celles-ci comprennent la temperature, la salinite, la densite, les anomalies de la vitesse du son et de l'altitude dynamique basees sur les profils de CTP. Les courbes relevent les tendances de la temperature, de la salinite et de la densite (sigma-T).

Mots-cles: biens riverains, oceanographie, bassin Reine-Charlotte

ACKNOWLEDGEMENTS

We wish to thank the officers and crew of the CSS *PARIZEAU* and the CFAV *ENDEAVOUR* for their cooperation during the CTD and mooring operations of the experiment. We also acknowledge the scientific and technical staff who participated in these cruises: M.J. Woodward, F.V. Hermiston, G. MacPhail, B. Svensson and S. Kristensen. Computational and drafting assistance were provided by A. Douglas, L. Wu, J. Linguanti, B. Smith, and P. Kimber. We are grateful for the use of the CTD system, which was purchased and maintained by the Ocean Physics Section of the Institute of Ocean Sciences.

This program was funded by the Department of Fisheries and Oceans.

INTRODUCTION

These water property observations were undertaken on mooring deployment and recovery cruises in Queen Charlotte Sound by the Tides and Currents Section of the Hydrographic Service at the Institute of Ocean Sciences. Current meters were deployed in the Sound for the summer of 1982 to examine the tidal currents and wind-driven transport. This program was the first of a three-stage operation in the period 1982 - 1985 in Queen Charlotte Sound, Hecate Strait Dixon Entrance and the west coast of the Queen Charlotte Islands, undertaken to examine the circulation of waters in these areas, and the nature of the tides and tidal currents.

The purpose of this report is to make available the CTD data gathered during the 1982 cruises. Current meter data will be presented in subsequent reports. Data and contour graphs from the May cruise are presented first, followed by the September cruise.

CTD OBSERVATIONS

In May the profiles of water properties were obtained using a 8700-series Guildline conductivity-temperature-depth (CTD, but often denoted STP) recorder lowered from the stern of the research vessel via a 5/16" (8 mm) diameter, 7-conductor armorgraph cable. Output from the probe consisted of analogue voltages of temperature, conductivity and pressure calibrated for the full-scale ranges of 0 to 25°C, 0 to 40 ‰ and 0 to 1500 dbar, respectively. The probe output was connected to a Guildline deck unit where part of the signal was converted to temperature, salinity and pressure values for plotting on calibrated graph paper. These traces provided real-time displays of the temperature and salinity profiles and served as back-up to the tape storage system. The remaining branch of the output signal was input into a 2100-series computer, digitized at a rate of 10 samples per second and stored on a 9-track magnetic tape through an HP7970B digital unit. For variable rates of probe descent from 0.5 to 1.5 ms⁻¹ this yielded vertical scale resolutions of order 10 cm. As well as being recorded on tape, digitized records were converted and listed every 5 m on a high speed printer. This allowed real-time monitoring of tape-recorded data and enabled the operator to safely lower the probe to within a few metres of the seafloor.

In September the digital signals were recorded by a Macsym 2 computer manufactured by Analog Devices, and stored on an 8" floppy disk.

Following each cruise, the raw voltages were converted to temperature, salinity and pressure and the data edited. Corrections to the temperature and salinity values of the CTD were computed from the combined CTD and hydro-cast stations. These corrections are less than or equal to 0.02°C and 0.03‰ respectively.

DATA FORMAT

The cruise data are listed in chronological order. Each survey is identified by a title page giving the cruise number and dates. The contour graphs of each cruise follow the listings of the CTD data. The graphs were prepared on the cruise following each profile, and the contours were drawn by hand. This method provided a way to verify that the CTD was working properly, and presented a quick look at the water properties in the region.

Key to information in this report

Listing Page Information

REFERENCE NO. Year-Station Reference Number DATE(D/Mo/Yr)
 POSITION LATITUDE LONGITUDE, PST (Hours) STATION ID
 RESULTS OF STP CAST
 GUILDLINE WAS USED PRESSURES (in decibars) ARE INPUT

Parameters, Symbols, Units.

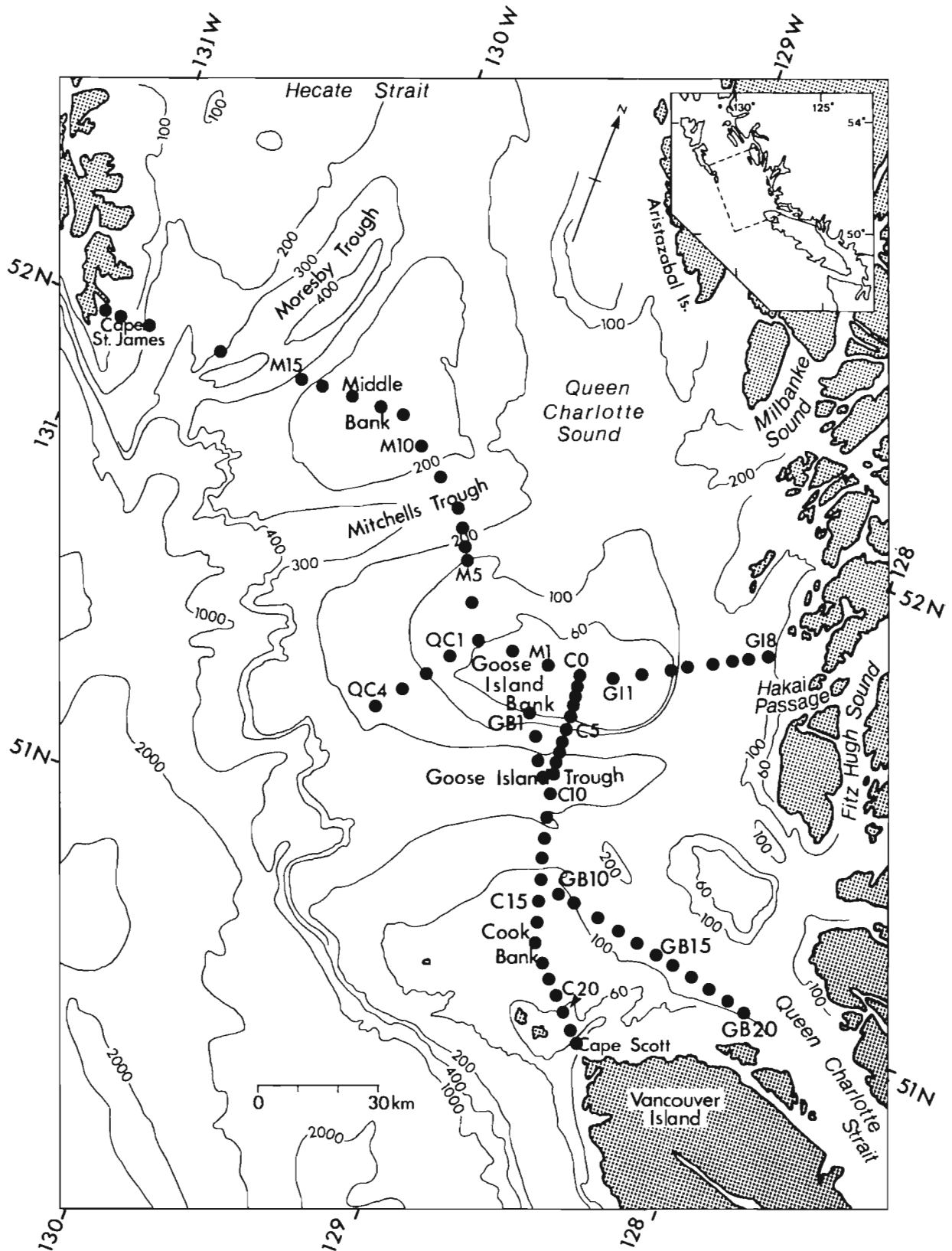
DEPTH ----- depth in metres
 TEMP ----- temperature in degrees Celsius
 SAL ----- salinity
 SIGMA T ----- density of water (dimensionless)
 SVA ----- specific volume anomaly in $10^{-5} \text{ cm}^3 \text{ g}^{-1}$
 DELTA D ----- Geopotential anomaly in Joules/Kg.
 POT. EN ----- Potential energy in 10^8 Ergs/cm^2
 SOUND ----- Speed of sound in metres/sec
 PST ----- Pacific Standard Time (Z+8)

Positions are expressed as degrees, minutes and decimal minutes.

Times in the CTD listings and the contour graphs are expressed as hours and minutes, using a 24 hour clock.

In a few listings the water properties at the deepest of the standard depths may have been extrapolated from measurements at a shallower depth, if the standard depth is a few meters below the deepest measurement.

If the water depth is less than 50 m a listing of water properties every meter follows the normal listing.



HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-007
 POSITION 51-28.5N, 129- 2.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 26/05/82
 PST 19:30

STATION GB01

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.09	31.48	0	24.38	355.7	.00	.00	1483.
10	9.09	31.48	10	24.38	355.9	.36	.02	1483.
20	9.09	31.48	20	24.38	356.0	.71	.07	1483.
30	9.09	31.49	30	24.38	355.7	1.07	.16	1483.
50	9.03	31.52	50	24.42	352.9	1.78	.45	1483.
75	8.68	31.66	75	24.58	338.0	2.64	1.00	1482.

DEEPEST MEASUREMENT:

72	8.69	31.65	72	24.57	338.7	2.54	.92	1482.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-008
 POSITION 51-25.5N, 129- .0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 26/05/82
 PST 20:00

STATION GB02

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.17	31.48	0	24.37	357.1	.00	.00	1483.
10	9.18	31.48	10	24.37	357.2	.36	.02	1483.
20	9.18	31.48	20	24.37	357.4	.71	.07	1483.
30	9.18	31.48	30	24.36	357.7	1.07	.16	1483.
50	9.18	31.48	50	24.37	357.9	1.79	.46	1484.
75	8.35	31.74	75	24.69	327.1	2.64	1.00	1481.
100	7.93	32.20	99	25.11	287.6	3.41	1.68	1481.
125	7.38	33.07	124	25.87	215.7	4.06	2.42	1480.
150	6.81	33.49	149	26.28	177.1	4.57	3.13	1479.
175	5.63	33.96	174	26.80	127.5	4.92	3.71	1475.

DEEPEST MEASUREMENT:

191	5.54	33.97	190	26.82	126.2	5.12	4.09	1475.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-009
 POSITION 51-22.4N, 128-57.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 26/05/82
 PST 20:36

STATION GB03

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.12	31.43	0	24.34	359.9	.00	.00	1483.
10	9.12	31.44	10	24.34	359.7	.36	.02	1483.
20	9.12	31.43	20	24.33	360.7	.72	.07	1483.
30	9.08	31.46	30	24.36	358.0	1.08	.16	1483.
50	8.64	31.54	50	24.49	346.1	1.79	.45	1482.
75	8.18	31.74	75	24.72	324.8	2.62	.98	1481.
100	7.75	32.46	99	25.34	265.5	3.36	1.64	1480.
125	7.41	33.29	124	26.04	200.0	3.92	2.28	1480.
150	6.69	33.79	149	26.53	153.4	4.36	2.89	1479.
175	6.24	33.88	174	26.66	141.1	4.73	3.50	1477.
200	5.73	33.95	199	26.78	130.2	5.07	4.15	1476.
225	5.51	33.98	223	26.83	125.8	5.38	4.83	1475.

DEEPEST MEASUREMENT:

229	5.51	33.98	227	26.83	125.8	5.43	4.95	1475.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-010
 POSITION 51-20.0N, 128-54.5W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 26/05/82
 PST 21:06

STATION GB04

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.17	31.41	0	24.31	362.0	.00	.00	1483.
10	9.16	31.41	10	24.31	362.1	.36	.02	1483.
20	9.16	31.42	20	24.32	361.9	.72	.07	1483.
30	9.16	31.41	30	24.31	362.5	1.09	.17	1483.
50	8.83	31.49	50	24.43	351.8	1.81	.46	1482.
75	8.09	31.90	75	24.86	311.4	2.63	.98	1480.
100	7.48	33.06	99	25.85	217.0	3.31	1.58	1480.
125	7.19	33.56	124	26.28	176.5	3.78	2.12	1480.
150	7.03	33.78	149	26.47	158.8	4.19	2.69	1480.
175	6.48	33.89	174	26.64	143.3	4.56	3.31	1478.
200	5.92	33.93	199	26.74	134.1	4.91	3.97	1477.
225	5.53	33.98	223	26.82	126.0	5.23	4.67	1475.

DEEPEST MEASUREMENT:

238	5.52	33.98	236	26.83	126.0	5.39	5.05	1476.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-011
 POSITION 51-18.5N, 128-53.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 26/05/82
 PST 21:24

STATION GB05

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.13	31.41	0	24.32	361.5	.00	.00	1483.
10	9.13	31.41	10	24.32	361.7	.36	.02	1483.
20	9.13	31.42	20	24.33	361.2	.72	.07	1483.
30	9.14	31.44	30	24.34	360.4	1.08	.17	1483.
50	8.80	31.50	50	24.44	351.0	1.80	.46	1482.
75	8.00	31.92	75	24.89	308.7	2.62	.98	1480.
100	7.46	33.16	99	25.93	209.7	3.31	1.58	1480.
125	7.08	33.61	124	26.34	171.2	3.77	2.12	1480.
150	6.74	33.85	149	26.57	149.4	4.17	2.67	1479.
175	6.30	33.91	174	26.68	139.7	4.53	3.27	1478.
200	5.82	33.94	199	26.76	132.1	4.87	3.92	1476.
225	5.54	33.96	223	26.81	127.0	5.19	4.61	1476.

DEEPEST MEASUREMENT:

227	5.54	33.96	225	26.81	127.5	5.21	4.67	1476.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-012
 POSITION 51-16.7N, 128-51.8W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 26/05/82
 PST 22:00

STATION GB06

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.14	31.50	0	24.38	355.4	.00	.00	1483.
10	9.14	31.50	10	24.38	355.6	.36	.02	1483.
20	9.14	31.49	20	24.38	355.9	.71	.07	1483.
30	9.14	31.50	30	24.38	356.0	1.07	.16	1483.
50	9.11	31.51	50	24.40	354.9	1.78	.45	1483.
75	8.13	31.69	75	24.68	328.2	2.65	1.00	1480.
100	7.67	32.48	99	25.37	262.9	3.40	1.67	1480.
125	7.04	33.45	124	26.22	182.6	3.97	2.32	1479.
150	6.48	33.78	149	26.55	151.5	4.38	2.89	1478.
175	6.02	33.89	174	26.70	137.5	4.74	3.49	1477.
200	5.84	33.93	199	26.75	133.2	5.07	4.13	1476.

DEEPEST MEASUREMENT:

205	5.83	33.92	204	26.75	133.2	5.14	4.27	1476.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-013
 POSITION 51-13.0N, 128-50.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 26/05/82

PST 22:24

STATION GB07

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.14	31.49	0	24.38	356.2	.00	.00	1483.
10	9.13	31.48	10	24.37	356.6	.36	.02	1483.
20	9.14	31.48	20	24.37	356.9	.71	.07	1483.
30	9.14	31.47	30	24.36	357.6	1.07	.16	1483.
50	9.03	31.50	50	24.40	354.6	1.78	.45	1483.
75	8.11	31.90	75	24.85	312.1	2.61	.98	1481.
100	7.89	32.13	99	25.07	291.9	3.36	1.65	1480.
125	7.38	32.93	124	25.76	226.5	4.04	2.42	1480.

DEEPEST MEASUREMENT:

144	6.86	33.52	143	26.29	175.7	4.42	2.94	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-014
 POSITION 51-10.2N, 128-49.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 26/05/82

PST 23:12

STATION GB08

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.28	31.31	0	24.21	371.6	.00	.00	1483.
10	9.27	31.31	10	24.22	371.3	.37	.02	1483.
20	9.27	31.31	20	24.21	372.0	.74	.08	1483.
30	9.24	31.33	30	24.24	369.7	1.12	.17	1483.
50	8.20	31.79	50	24.75	321.4	1.80	.45	1480.
75	7.83	32.22	75	25.14	284.2	2.56	.93	1480.

DEEPEST MEASUREMENT:

95	7.34	32.92	94	25.76	225.9	3.07	1.36	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-015
 POSITION 51- 7.4N, 128-46.1W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 26/05/82

PST 23:36

STATION GB09

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.27	31.32	0	24.23	370.3	.00	.00	1483.
10	9.26	31.33	10	24.23	370.2	.37	.02	1483.
20	9.26	31.32	20	24.23	370.4	.74	.08	1483.
30	8.95	31.43	30	24.36	358.2	1.11	.17	1482.
50	8.80	31.46	50	24.41	353.7	1.82	.46	1482.

DEEPEST MEASUREMENT:

69	7.97	31.75	69	24.76	320.8	2.46	.84	1480.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-016
 POSITION 51- 7.0N, 128-42.5W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 26/05/82

PST 23:54

STATION GB10

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.27	31.34	0	24.24	369.0	.00	.00	1483.
10	9.26	31.35	10	24.25	368.6	.37	.02	1483.
20	9.26	31.34	20	24.25	368.9	.74	.08	1483.
30	9.24	31.35	30	24.25	368.3	1.11	.17	1483.
50	9.08	31.39	50	24.31	363.1	1.84	.47	1483.

DEEPEST MEASUREMENT:

69	7.28	32.96	69	25.80	221.4	2.39	.79	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-017
 POSITION 51- 6.3N, 128-38.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 26/05/82

PST 00:24

STATION GB11

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.28	31.34	0	24.24	369.0	.00	.00	1483.
10	9.28	31.34	10	24.24	369.0	.37	.02	1483.
20	9.28	31.35	20	24.24	369.0	.74	.08	1483.
30	9.18	31.39	30	24.29	364.6	1.11	.17	1483.
50	8.32	31.64	50	24.62	333.8	1.81	.45	1481.
75	7.68	31.92	75	24.92	304.9	2.60	.96	1479.
100	7.72	32.38	99	25.29	271.0	3.34	1.61	1480.

DEEPEST MEASUREMENT:

106	7.16	33.10	105	25.93	210.0	3.48	1.76	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-018
 POSITION 51- 5.6N, 128-33.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 26/05/82

PST 01:00

STATION GB12

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.24	31.41	0	24.30	363.3	.00	.00	1483.
10	9.22	31.42	10	24.31	362.7	.36	.02	1483.
20	9.23	31.42	20	24.31	363.0	.73	.07	1483.
30	9.16	31.41	30	24.32	362.4	1.09	.17	1483.
50	7.60	31.68	50	24.75	321.0	1.78	.45	1478.
75	7.67	32.26	75	25.19	279.3	2.53	.92	1479.
100	7.61	32.62	99	25.49	251.6	3.19	1.51	1480.
125	6.68	33.55	124	26.35	170.4	3.71	2.10	1478.

DEEPEST MEASUREMENT:

129	6.66	33.58	128	26.37	168.5	3.78	2.19	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-019
 POSITION 51- 4.8N, 128-28.5W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 26/05/82

PST 01:36

STATION GB13

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.18	31.37	0	24.28	365.6	.00	.00	1483.
10	9.16	31.38	10	24.29	364.5	.36	.02	1483.
20	9.16	31.38	20	24.29	364.5	.73	.07	1483.
30	9.17	31.38	30	24.29	364.9	1.09	.17	1483.
50	8.37	31.66	50	24.62	333.2	1.82	.46	1481.
75	7.46	32.80	75	25.65	235.9	2.54	.91	1479.
100	6.90	33.34	99	26.15	188.9	3.08	1.40	1478.
125	6.48	33.70	124	26.49	156.8	3.53	1.91	1477.

DEEPEST MEASUREMENT:

144	6.42	33.74	143	26.52	153.7	3.82	2.31	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-020
 POSITION 51- 4.1N, 128-24.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 26/05/82

PST 02:00

STATION GB14

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.11	31.28	0	24.22	371.0	.00	.00	1482.
10	9.10	31.29	10	24.23	370.6	.37	.02	1482.
20	9.10	31.29	20	24.23	370.7	.74	.08	1483.
30	8.39	31.46	30	24.46	348.2	1.11	.17	1480.
50	8.04	31.80	50	24.79	317.7	1.77	.44	1480.
75	6.95	33.29	75	26.11	192.6	2.41	.84	1478.
100	6.69	33.51	99	26.31	173.7	2.86	1.24	1477.
125	6.44	33.73	124	26.51	154.6	3.27	1.71	1477.
150	6.41	33.79	149	26.56	150.1	3.65	2.25	1478.

DEEPEST MEASUREMENT:

148	6.41	33.77	147	26.55	151.4	3.62	2.20	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-021
 POSITION 51- 3.5N, 128-19.2W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 26/05/82

PST 02:30

STATION GB15

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.24	30.62	0	23.69	421.9	.00	.00	1482.
10	9.23	30.64	10	23.70	420.3	.42	.02	1482.
20	8.95	31.24	20	24.21	372.2	.81	.08	1482.
30	7.94	31.40	30	24.48	346.3	1.17	.17	1479.
50	8.10	31.78	50	24.76	320.3	1.84	.44	1480.
75	7.08	33.23	75	26.03	199.4	2.51	.86	1478.
100	6.47	33.68	99	26.47	157.9	2.93	1.24	1477.
125	6.27	33.81	124	26.60	146.0	3.31	1.68	1477.
150	6.24	33.84	149	26.63	143.7	3.67	2.18	1477.

DEEPEST MEASUREMENT:

160	6.25	33.83	159	26.62	145.1	3.82	2.41	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-022
 POSITION 51- 3.0N, 128-14.8W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 26/05/82

PST 03:06

STATION GB16

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.04	30.52	0	23.63	426.9	.00	.00	1481.
10	9.04	30.53	10	23.64	426.3	.43	.02	1481.
20	8.69	31.22	20	24.24	369.5	.81	.08	1481.
30	8.31	31.41	30	24.44	350.6	1.17	.17	1480.
50	7.79	31.86	50	24.87	309.8	1.84	.44	1479.
75	7.19	33.26	75	26.05	197.8	2.49	.85	1479.
100	6.42	33.76	99	26.54	151.4	2.93	1.24	1477.
125	6.22	33.85	124	26.64	142.7	3.29	1.65	1476.
150	6.23	33.86	149	26.64	142.6	3.65	2.15	1477.

DEEPEST MEASUREMENT:

154	6.23	33.85	153	26.64	142.9	3.71	2.24	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-023
 POSITION 51- 2.3N, 128-10.2W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 26/05/82

PST 03:42

STATION GB17

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	8.95	30.89	0	23.94	397.5	.00	.00	1481.
10	8.95	30.88	10	23.94	398.2	.40	.02	1481.
20	8.89	31.10	20	24.11	381.9	.79	.08	1482.
30	8.06	31.63	30	24.65	330.6	1.14	.17	1479.
50	7.90	31.95	50	24.92	305.1	1.79	.43	1479.
75	7.48	32.81	75	25.66	235.3	2.45	.85	1479.
100	6.72	33.63	99	26.40	165.0	2.92	1.26	1478.
125	6.13	33.89	124	26.68	138.3	3.29	1.69	1476.
150	6.13	33.87	149	26.67	140.3	3.64	2.18	1477.

DEEPEST MEASUREMENT:

148	6.14	33.88	147	26.67	139.5	3.61	2.14	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-024
 POSITION 51- 1.5N, 128- 5.8W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 26/05/82

PST 04:18

STATION GB18

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	8.94	31.15	0	24.14	378.4	.00	.00	1482.
10	8.95	31.14	10	24.13	379.3	.38	.02	1482.
20	8.90	31.17	20	24.17	376.4	.76	.08	1482.
30	8.14	31.56	30	24.58	336.8	1.11	.17	1479.
50	7.84	31.90	50	24.89	307.5	1.75	.43	1479.
75	7.45	32.89	75	25.72	229.3	2.44	.86	1479.
100	6.52	33.74	99	26.51	154.3	2.92	1.28	1477.
125	6.25	33.86	124	26.65	142.0	3.28	1.70	1477.
150	6.21	33.88	149	26.66	140.6	3.64	2.20	1477.

DEEPEST MEASUREMENT:

157	6.22	33.87	156	26.66	141.3	3.74	2.35	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-025
 POSITION 51- 1.0N, 128- 1.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 26/05/82

PST 04:48

STATION GB19

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	8.87	31.17	0	24.17	375.5	.00	.00	1481.
10	8.84	31.18	10	24.18	374.6	.38	.02	1481.
20	8.57	31.41	20	24.40	353.8	.74	.08	1481.
30	8.18	31.64	30	24.64	331.6	1.09	.16	1480.
50	7.72	32.06	50	25.03	294.1	1.70	.41	1479.
75	7.50	32.75	75	25.60	240.4	2.38	.84	1479.
100	6.80	33.59	99	26.36	169.1	2.88	1.28	1478.
125	6.42	33.83	124	26.60	146.6	3.26	1.72	1477.

DEEPEST MEASUREMENT:

145	6.39	33.84	144	26.61	145.5	3.56	2.13	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-026
 POSITION 51- .4N, 127-57.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 26/05/82

PST 05:24

STATION GB20

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	8.41	31.66	0	24.62	332.9	.00	.00	1480.
10	8.40	31.65	10	24.61	333.9	.33	.02	1480.
20	8.38	31.71	20	24.66	329.2	.66	.07	1480.
30	8.33	31.74	30	24.69	326.5	.99	.15	1480.
50	7.84	32.20	50	25.12	285.6	1.62	.41	1479.
75	7.36	33.02	75	25.84	218.1	2.23	.79	1479.
100	6.68	33.67	99	26.44	161.1	2.70	1.21	1478.
125	6.46	33.82	124	26.58	147.8	3.09	1.65	1477.

DEEPEST MEASUREMENT:

122	6.53	33.79	121	26.55	151.3	3.04	1.59	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-027
 POSITION 51-21.0N, 128-54.7W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 29/05/82

PST 23:00

STATION C009

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.44	31.44	0	24.29	364.1	.00	.00	1484.
10	9.44	31.44	10	24.29	364.1	.36	.02	1484.
20	9.42	31.45	20	24.30	363.3	.73	.07	1484.
30	9.23	31.47	30	24.35	359.0	1.09	.17	1484.
50	9.06	31.48	50	24.38	356.2	1.81	.46	1483.
75	7.94	32.05	75	24.99	298.4	2.61	.97	1480.
100	7.63	32.71	99	25.55	245.5	3.27	1.56	1480.
125	7.37	33.44	124	26.17	187.7	3.81	2.16	1480.
150	6.59	33.69	149	26.47	159.3	4.24	2.77	1478.
175	5.95	33.90	174	26.71	136.4	4.60	3.37	1476.
200	5.66	33.96	199	26.79	128.7	4.93	4.00	1476.
225	5.50	33.98	223	26.83	125.0	5.25	4.68	1475.

DEEPEST MEASUREMENT:

237	5.50	33.99	235	26.84	124.6	5.40	5.03	1476.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-028
 POSITION 51-23.0N, 128-54.7W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 29/05/82

PST 23:48

STATION C008

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.83	31.45	0	24.24	369.2	.00	.00	1485.
10	9.83	31.45	10	24.24	369.3	.37	.02	1485.
20	9.83	31.45	20	24.24	369.5	.74	.08	1486.
30	9.83	31.45	30	24.24	369.7	1.11	.17	1486.
50	8.58	31.56	50	24.51	343.7	1.82	.46	1481.
75	8.00	32.03	75	24.97	300.9	2.61	.96	1480.
100	7.39	32.96	99	25.79	223.2	3.28	1.55	1480.
125	6.88	33.51	124	26.28	176.5	3.77	2.11	1479.
150	6.33	33.82	149	26.60	146.3	4.17	2.67	1477.
175	5.89	33.92	174	26.73	134.2	4.52	3.25	1476.
200	5.68	33.96	199	26.79	128.9	4.85	3.88	1476.
225	5.49	33.97	223	26.82	126.2	5.16	4.56	1475.

DEEPEST MEASUREMENT:

228	5.50	33.95	226	26.81	127.3	5.20	4.65	1475.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-029
 POSITION 51-24.5N, 128-54.7W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 29/05/82

PST 00:24

STATION C007

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.58	31.49	0	24.31	362.6	.00	.00	1484.
10	9.58	31.48	10	24.30	363.3	.36	.02	1484.
20	9.56	31.48	20	24.30	363.4	.73	.07	1485.
30	9.09	31.47	30	24.37	357.6	1.09	.17	1483.
50	8.46	31.61	50	24.57	338.1	1.79	.45	1481.
75	7.97	32.13	75	25.05	293.0	2.57	.95	1480.
100	7.44	32.91	99	25.74	228.0	3.23	1.53	1480.
125	6.97	33.39	124	26.18	186.7	3.75	2.13	1479.
150	6.27	33.76	149	26.56	150.5	4.17	2.71	1477.
175	5.57	33.97	174	26.82	126.1	4.51	3.28	1475.
200	5.49	34.00	199	26.85	123.4	4.83	3.88	1475.

DEEPEST MEASUREMENT:

200	5.49	34.00	199	26.85	123.4	4.83	3.88	1475.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-030
 POSITION 51-26.2N, 128-54.7W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 29/05/82

PST 01:12

STATION C006

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.54	31.50	0	24.32	361.2	.00	.00	1484.
10	9.54	31.50	10	24.32	361.4	.36	.02	1484.
20	9.54	31.50	20	24.32	361.6	.72	.07	1485.
30	9.32	31.50	30	24.36	358.1	1.08	.17	1484.
50	8.61	31.59	50	24.54	341.6	1.78	.45	1482.
75	7.81	32.41	75	25.29	270.1	2.56	.94	1480.
100	7.46	32.99	99	25.79	222.6	3.18	1.49	1480.
125	6.94	33.50	124	26.27	177.5	3.68	2.07	1479.
150	5.97	33.92	149	26.73	134.5	4.05	2.58	1476.

DEEPEST MEASUREMENT:

158	5.88	33.93	157	26.75	132.6	4.16	2.75	1476.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-031
 POSITION 51-28.0N, 128-54.7W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 29/05/82
 PST 01:42

STATION C005

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.46	31.50	0	24.33	360.1	.00	.00	1484.
10	9.46	31.50	10	24.33	360.2	.36	.02	1484.
20	9.46	31.50	20	24.33	360.4	.72	.07	1484.
30	9.45	31.51	30	24.34	359.9	1.08	.17	1484.
50	8.36	31.97	50	24.87	310.1	1.77	.44	1481.
75	7.68	32.58	75	25.44	255.8	2.49	.90	1480.

DEEPEST MEASUREMENT:

95	7.32	33.01	94	25.83	219.2	2.97	1.31	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-032
 POSITION 51-30.0N, 128-54.7W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 29/05/82
 PST 02:12

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.22	31.54	0	24.41	353.2	.00	.00	1483.
10	9.22	31.55	10	24.41	353.2	.35	.02	1483.
20	9.23	31.54	20	24.40	354.0	.71	.07	1483.
30	9.23	31.54	30	24.40	354.0	1.06	.16	1484.
50	8.92	31.70	50	24.57	338.0	1.75	.44	1483.

DEEPEST MEASUREMENT:

51	8.95	31.68	51	24.55	340.0	1.78	.46	1483.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-033
 POSITION 51-31.2N, 128-54.7W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 29/05/82

PST 02:30

STATION C003

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.24	31.52	0	24.39	354.9	.00	.00	1483.
10	9.22	31.53	10	24.39	354.6	.35	.02	1483.
20	9.23	31.53	20	24.39	354.8	.71	.07	1483.
30	9.22	31.53	30	24.40	354.6	1.06	.16	1484.
50	9.11	31.59	50	24.46	348.7	1.77	.45	1484.

DEEPEST MEASUREMENT:

49	9.10	31.59	49	24.46	348.9	1.73	.43	1483.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.24	31.52	25.		9.22	31.53
1.		9.24	31.52	26.		9.21	31.54
2.		9.24	31.52	27.		9.21	31.53
3.		9.24	31.52	28.		9.22	31.53
4.		9.24	31.52	29.		9.22	31.53
5.		9.23	31.52	30.		9.22	31.53
6.		9.23	31.53	31.		9.22	31.53
7.		9.22	31.53	32.		9.22	31.53
8.		9.22	31.52	33.		9.18	31.54
9.		9.22	31.53	34.		9.18	31.54
10.		9.22	31.53	35.		9.16	31.55
11.		9.22	31.53	36.		9.15	31.56
12.		9.22	31.53	37.		9.14	31.56
13.		9.22	31.53	38.		9.13	31.56
14.		9.23	31.53	39.		9.12	31.57
15.		9.22	31.53	40.		9.12	31.58
16.		9.22	31.53	41.		9.11	31.58
17.		9.22	31.53	42.		9.11	31.58
18.		9.23	31.52	43.		9.10	31.59
19.		9.23	31.52	44.		9.10	31.58
20.		9.23	31.53	45.		9.10	31.59
21.		9.23	31.53	46.		9.10	31.59
22.		9.23	31.53	47.		9.10	31.58
23.		9.23	31.53	48.		9.10	31.58
24.		9.23	31.53	49.		9.10	31.59

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-034
 POSITION 51-32.8N, 128-54.7W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 29/05/82

PST 02:48

STATION C002

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.22	31.52	0	24.39	354.6	.00	.00	1483.
10	9.22	31.52	10	24.39	354.9	.35	.02	1483.
20	9.22	31.52	20	24.39	355.1	.71	.07	1483.
30	9.22	31.53	30	24.40	354.6	1.06	.16	1484.
50	9.21	31.57	50	24.43	351.9	1.77	.45	1484.

DEEPEST MEASUREMENT:

52	9.21	31.57	52	24.43	351.8	1.84	.49	1484.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-035
 POSITION 51-34.0N, 128-54.7W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 29/05/82

PST 03:06

STATION C001

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.22	31.60	0	24.45	348.9	.00	.00	1483.
10	9.19	31.59	10	24.45	349.4	.35	.02	1483.
20	9.20	31.60	20	24.45	349.0	.70	.07	1483.
30	9.20	31.60	30	24.46	348.8	1.05	.16	1484.
50	9.19	31.61	50	24.46	348.6	1.74	.44	1484.

DEEPEST MEASUREMENT:

48	9.18	31.62	48	24.47	347.9	1.67	.41	1484.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.22	31.60	25.		9.19	31.59
1.		9.22	31.60	26.		9.19	31.60
2.		9.22	31.60	27.		9.19	31.59
3.		9.22	31.60	28.		9.19	31.60
4.		9.21	31.60	29.		9.19	31.60
5.		9.20	31.59	30.		9.20	31.60
6.		9.19	31.60	31.		9.20	31.60
7.		9.19	31.60	32.		9.19	31.61
8.		9.19	31.60	33.		9.19	31.61
9.		9.19	31.60	34.		9.19	31.60
10.		9.19	31.59	35.		9.19	31.61
11.		9.19	31.60	36.		9.19	31.61
12.		9.19	31.60	37.		9.19	31.61
13.		9.19	31.60	38.		9.19	31.61
14.		9.19	31.60	39.		9.19	31.61
15.		9.19	31.60	40.		9.19	31.61
16.		9.20	31.60	41.		9.19	31.61
17.		9.19	31.60	42.		9.19	31.62
18.		9.19	31.60	43.		9.18	31.61
19.		9.20	31.59	44.		9.18	31.62
20.		9.20	31.60	45.		9.18	31.61
21.		9.19	31.60	46.		9.18	31.61
22.		9.19	31.60	47.		9.18	31.62
23.		9.19	31.60	48.		9.18	31.62
24.		9.19	31.60				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-036
 POSITION 51-35.3N, 128-54.7W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 29/05/82
 PST 03:36

STATION C000

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.13	31.63	0	24.48	345.7	.00	.00	1483.
10	9.11	31.63	10	24.49	345.2	.35	.02	1483.
20	9.13	31.63	20	24.49	345.4	.69	.07	1483.
30	9.15	31.63	30	24.49	346.0	1.04	.16	1483.
50	9.19	31.65	50	24.50	345.3	1.73	.44	1484.

DEEPEST MEASUREMENT:

51	9.20	31.65	51	24.50	345.4	1.76	.46	1484.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-037
 POSITION 51-26.0N, 128-54.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 29/05/82
 PST 13:30

STATION C006

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.63	31.48	0	24.29	364.0	.00	.00	1485.
10	9.66	31.48	10	24.29	364.7	.36	.02	1485.
20	9.43	31.48	20	24.33	361.1	.73	.07	1484.
30	9.04	31.46	30	24.37	356.9	1.09	.17	1483.
50	8.37	31.64	50	24.61	334.5	1.78	.45	1481.
75	7.76	32.49	75	25.36	263.4	2.53	.92	1480.
100	7.39	33.04	99	25.85	217.4	3.14	1.46	1480.
125	6.85	33.55	124	26.32	173.0	3.63	2.02	1479.
150	5.63	33.96	149	26.80	127.4	3.97	2.51	1475.

DEEPEST MEASUREMENT:

162	5.62	33.97	161	26.81	126.8	4.13	2.75	1475.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-038
 POSITION 51-35.5N, 128-55.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 29/05/82

PST 18:18

STATION 0000

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.28	31.61	0	24.45	349.0	.00	.00	1483.
10	9.27	31.62	10	24.46	348.7	.35	.02	1484.
20	9.23	31.63	20	24.47	347.1	.70	.07	1484.
30	9.24	31.64	30	24.48	346.7	1.04	.16	1484.

DEEPEST MEASUREMENT:

45	9.24	31.66	45	24.49	345.8	1.56	.36	1484.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.28	31.61	23.		9.23	31.63
1.		9.28	31.61	24.		9.22	31.64
2.		9.28	31.61	25.		9.23	31.64
3.		9.28	31.61	26.		9.23	31.64
4.		9.28	31.61	27.		9.23	31.63
5.		9.27	31.61	28.		9.23	31.64
6.		9.27	31.62	29.		9.22	31.65
7.		9.27	31.62	30.		9.24	31.64
8.		9.27	31.62	31.		9.24	31.64
9.		9.27	31.62	32.		9.25	31.64
10.		9.27	31.62	33.		9.25	31.64
11.		9.27	31.62	34.		9.25	31.65
12.		9.26	31.63	35.		9.25	31.65
13.		9.26	31.62	36.		9.25	31.66
14.		9.26	31.62	37.		9.25	31.65
15.		9.26	31.63	38.		9.25	31.65
16.		9.25	31.62	39.		9.24	31.66
17.		9.25	31.62	40.		9.24	31.65
18.		9.25	31.63	41.		9.23	31.66
19.		9.24	31.63	42.		9.24	31.66
20.		9.23	31.63	43.		9.24	31.66
21.		9.23	31.64	44.		9.24	31.66
22.		9.23	31.64	45.		9.24	31.66

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-039
 POSITION 51-35.6N, 129- 2.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 29/05/82

PST 19:24

STATION M001

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
C	9.26	31.59	0	24.43	350.6	.00	.00	1483.
10	9.26	31.59	10	24.44	350.4	.35	.02	1483.
20	9.21	31.60	20	24.45	349.4	.70	.07	1483.
30	9.19	31.59	30	24.45	349.7	1.05	.16	1484.

DEEPEST MEASUREMENT:

45	9.18	31.60	45	24.46	348.9	1.57	.36	1484.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.26	31.59	23.		9.20	31.60
1.		9.26	31.59	24.		9.21	31.59
2.		9.26	31.59	25.		9.20	31.59
3.		9.26	31.59	26.		9.20	31.60
4.		9.26	31.59	27.		9.20	31.60
5.		9.26	31.59	28.		9.20	31.60
6.		9.26	31.59	29.		9.20	31.60
7.		9.26	31.58	30.		9.19	31.59
8.		9.26	31.59	31.		9.19	31.60
9.		9.27	31.59	32.		9.19	31.59
10.		9.26	31.59	33.		9.19	31.59
11.		9.26	31.60	34.		9.18	31.60
12.		9.26	31.60	35.		9.18	31.60
13.		9.24	31.60	36.		9.19	31.60
14.		9.25	31.59	37.		9.19	31.59
15.		9.23	31.59	38.		9.19	31.60
16.		9.21	31.60	39.		9.19	31.60
17.		9.21	31.60	40.		9.19	31.60
18.		9.21	31.60	41.		9.18	31.60
19.		9.21	31.60	42.		9.19	31.60
20.		9.21	31.60	43.		9.19	31.60
21.		9.21	31.59	44.		9.18	31.60
22.		9.20	31.60	45.		9.18	31.60

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-040
 POSITION 51-35.5N, 129-10.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 29/05/82

PST 20:06

STATION M002

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.27	31.72	0	24.53	341.0	.00	.00	1483.
10	9.27	31.71	10	24.53	341.6	.34	.02	1484.
20	9.10	31.72	20	24.57	338.3	.68	.07	1483.
30	9.05	31.72	30	24.57	337.9	1.02	.16	1483.

DEEPEST MEASUREMENT:

45	9.05	31.73	45	24.58	337.8	1.53	.35	1483.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.27	31.72	23.		9.05	31.73
1.		9.27	31.72	24.		9.04	31.73
2.		9.27	31.72	25.		9.05	31.72
3.		9.27	31.72	26.		9.04	31.73
4.		9.27	31.72	27.		9.04	31.73
5.		9.28	31.71	28.		9.04	31.73
6.		9.27	31.72	29.		9.05	31.72
7.		9.27	31.71	30.		9.05	31.72
8.		9.27	31.71	31.		9.04	31.73
9.		9.27	31.71	32.		9.04	31.73
10.		9.27	31.71	33.		9.04	31.72
11.		9.26	31.71	34.		9.04	31.72
12.		9.26	31.71	35.		9.04	31.73
13.		9.27	31.70	36.		9.04	31.73
14.		9.26	31.71	37.		9.05	31.73
15.		9.25	31.71	38.		9.05	31.72
16.		9.19	31.71	39.		9.05	31.73
17.		9.14	31.72	40.		9.05	31.72
18.		9.12	31.72	41.		9.05	31.73
19.		9.11	31.72	42.		9.05	31.73
20.		9.10	31.72	43.		9.05	31.72
21.		9.09	31.71	44.		9.05	31.72
22.		9.06	31.72	45.		9.05	31.73

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-041
 POSITION 51-35.7N, 129-18.5W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 29/05/82

PST 20:48

STATION M003

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.21	31.66	0	24.50	344.5	.00	.00	1483.
10	9.21	31.65	10	24.49	345.0	.34	.02	1483.
20	9.21	31.66	20	24.50	344.9	.69	.07	1483.
30	9.05	31.66	30	24.52	342.7	1.03	.16	1483.
50	9.02	31.69	50	24.55	340.3	1.72	.44	1483.

DEEPEST MEASUREMENT:

61	9.03	31.69	61	24.55	340.3	2.09	.65	1484.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-042
 POSITION 51-40.3N, 129-23.2W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 29/05/82

PST 21:36

STATION M004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.21	31.58	0	24.43	350.5	.00	.00	1483.
10	9.21	31.58	10	24.44	350.4	.35	.02	1483.
20	9.21	31.57	20	24.43	351.2	.70	.07	1483.
30	9.20	31.57	30	24.43	351.6	1.05	.16	1484.
50	8.41	31.84	50	24.76	320.2	1.73	.44	1481.

DEEPEST MEASUREMENT:

62	8.10	32.13	62	25.03	294.9	2.10	.65	1481.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-043
 POSITION 51-44.5N, 129-28.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 29/05/82

PST 22:24

STATION M005

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.49	31.49	0	24.32	361.4	.00	.00	1484.
10	9.46	31.48	10	24.32	361.4	.36	.02	1484.
20	9.44	31.49	20	24.33	360.6	.72	.07	1484.
30	9.21	31.51	30	24.38	356.0	1.08	.16	1483.
50	8.66	31.66	50	24.58	337.4	1.78	.45	1482.
75	7.83	31.99	75	24.96	301.2	2.58	.95	1480.

DEEPEST MEASUREMENT:

95	7.28	32.78	94	25.66	235.3	3.11	1.41	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-044
 POSITION 51-46.3N, 129-30.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 29/05/82

PST 22:48

STATION M006

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.37	31.50	0	24.35	358.5	.00	.00	1484.
10	9.37	31.50	10	24.35	358.8	.36	.02	1484.
20	9.37	31.49	20	24.34	359.4	.72	.07	1484.
30	9.37	31.49	30	24.35	359.5	1.08	.16	1484.
50	8.32	31.64	50	24.62	334.0	1.78	.45	1481.
75	7.75	32.06	75	25.03	294.9	2.57	.95	1479.
100	7.11	33.05	99	25.89	213.0	3.21	1.52	1479.
125	6.62	33.53	124	26.33	171.8	3.71	2.09	1478.
150	6.08	33.83	149	26.64	142.8	4.10	2.63	1476.
175	5.64	33.94	174	26.78	129.6	4.43	3.19	1475.
200	5.57	33.95	199	26.80	128.0	4.75	3.80	1475.

DEEPEST MEASUREMENT:

207	5.56	33.94	206	26.79	128.6	4.84	3.99	1475.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-045
 POSITION 51-48.3N, 129-32.2W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 29/05/82
 PST 23:24

STATION M007

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.30	31.48	0	24.35	358.8	.00	.00	1483.
10	9.30	31.49	10	24.36	358.3	.36	.02	1483.
20	9.29	31.49	20	24.35	358.7	.72	.07	1484.
30	9.12	31.52	30	24.40	353.9	1.07	.16	1483.
50	7.88	31.90	50	24.89	308.3	1.74	.43	1479.
75	7.60	32.20	75	25.16	282.6	2.48	.90	1479.
100	7.52	32.83	99	25.66	235.2	3.12	1.47	1480.
125	6.90	33.47	124	26.25	179.3	3.63	2.06	1479.
150	6.29	33.80	149	26.59	147.4	4.04	2.62	1477.
175	6.14	33.84	174	26.64	142.8	4.40	3.22	1477.
200	5.75	33.93	199	26.76	131.8	4.74	3.88	1476.
225	5.54	33.96	223	26.81	127.6	5.07	4.58	1476.
250	5.39	33.96	248	26.83	125.5	5.38	5.34	1475.

DEEPEST MEASUREMENT:

259	5.32	33.97	257	26.85	124.0	5.49	5.64	1475.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-046
 POSITION 51-50.3N, 129-33.1W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 30/05/82
 PST 00:00

STATION M008

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.36	31.58	0	24.42	352.2	.00	.00	1484.
10	9.35	31.59	10	24.42	351.7	.35	.02	1484.
20	9.34	31.59	20	24.42	352.2	.70	.07	1484.
30	9.35	31.66	30	24.48	346.8	1.06	.16	1484.
50	8.38	32.08	50	24.95	301.8	1.70	.42	1481.
75	7.82	32.43	75	25.31	268.2	2.41	.87	1480.
100	7.39	32.87	99	25.71	230.6	3.04	1.43	1479.
125	6.87	33.37	124	26.18	186.3	3.56	2.02	1478.
150	6.40	33.76	149	26.55	151.6	3.97	2.60	1478.
175	6.13	33.85	174	26.65	141.9	4.34	3.20	1477.
200	5.56	33.95	199	26.80	128.1	4.68	3.86	1475.
225	5.29	33.98	223	26.86	122.9	4.99	4.53	1475.
250	5.25	33.98	248	26.86	122.5	5.30	5.27	1475.

DEEPEST MEASUREMENT:

264	5.20	33.99	262	26.87	121.8	5.47	5.72	1475.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-047
 POSITION 51-53.0N, 129-38.7W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 30/05/82
 PST 00:42

STATION M009

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.29	31.70	0	24.51	342.9	.00	.00	1484.
10	9.29	31.71	10	24.52	342.1	.34	.02	1484.
20	9.29	31.70	20	24.52	343.1	.69	.07	1484.
30	9.24	31.74	30	24.56	339.5	1.03	.16	1484.
50	8.27	32.17	50	25.04	293.8	1.65	.41	1481.
75	7.51	32.85	75	25.68	233.3	2.31	.82	1479.
100	7.15	33.26	99	26.05	198.3	2.85	1.30	1479.
125	6.99	33.42	124	26.20	184.5	3.32	1.85	1479.
150	6.98	33.59	149	26.33	172.4	3.77	2.47	1480.
175	6.48	33.72	174	26.50	156.5	4.19	3.16	1478.
200	6.07	33.87	199	26.67	140.5	4.56	3.87	1477.
225	5.97	33.88	223	26.70	138.3	4.91	4.62	1477.

DEEPEST MEASUREMENT:

235	5.97	33.88	233	26.70	138.5	5.04	4.95	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-048
 POSITION 51-55.5N, 129-42.9W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 30/05/82
 PST 01:18

STATION M010

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.06	31.70	0	24.56	339.0	.00	.00	1483.
10	9.05	31.69	10	24.55	340.1	.34	.02	1483.
20	9.05	31.69	20	24.54	340.5	.68	.07	1483.
30	9.04	31.70	30	24.56	339.5	1.02	.16	1483.
50	7.79	32.09	50	25.04	293.3	1.65	.41	1479.
75	7.67	32.65	75	25.50	250.1	2.33	.84	1480.
100	7.26	33.16	99	25.96	207.0	2.88	1.33	1479.
125	7.15	33.28	124	26.07	196.6	3.38	1.91	1479.
150	6.99	33.53	149	26.29	176.7	3.84	2.55	1480.
175	6.60	33.68	174	26.46	160.7	4.26	3.25	1479.

DEEPEST MEASUREMENT:

180	6.52	33.70	179	26.48	158.0	4.34	3.39	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-049
 POSITION 51-57.7N, 129-46.1W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 30/05/82

PST 01:48

STATION M011

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.12	31.71	0	24.55	339.3	.00	.00	1483.
10	9.10	31.71	10	24.56	338.9	.34	.02	1483.
20	9.11	31.71	20	24.55	339.5	.68	.07	1483.
30	8.81	31.87	30	24.72	323.7	1.01	.15	1482.
50	8.23	32.16	50	25.03	294.2	1.62	.40	1481.
75	7.50	32.73	75	25.59	241.5	2.28	.82	1479.
100	7.36	33.06	99	25.86	215.9	2.86	1.34	1480.
125	7.35	33.07	124	25.87	215.3	3.40	1.95	1480.

DEEPEST MEASUREMENT:

126	7.35	33.07	125	25.88	215.1	3.42	1.98	1480.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-050
 POSITION 51-57.7N, 129-54.5W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 30/05/82

PST 02:48

STATION M012

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.20	31.79	0	24.60	335.0	.00	.00	1483.
10	9.20	31.78	10	24.60	335.3	.34	.02	1483.
20	9.10	31.88	20	24.69	326.6	.67	.07	1483.
30	9.09	31.89	30	24.70	326.0	.99	.15	1484.
50	7.95	32.04	50	24.99	298.5	1.62	.41	1480.
75	7.58	32.45	75	25.36	263.9	2.32	.85	1479.
100	7.34	33.03	99	25.84	217.9	2.95	1.40	1479.
125	7.29	33.10	124	25.91	211.9	3.48	2.02	1480.

DEEPEST MEASUREMENT:

131	7.29	33.11	130	25.91	211.6	3.61	2.18	1480.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-051
 POSITION 51-57.7N, 130- 2.5W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 30/05/82
 PST 03:24

STATION M013

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.07	31.82	0	24.64	330.7	.00	.00	1483.
10	9.08	31.81	10	24.64	331.2	.33	.02	1483.
20	9.04	31.82	20	24.65	330.1	.66	.07	1483.
30	8.85	31.84	30	24.70	326.1	.99	.15	1483.
50	7.92	32.15	50	25.08	290.1	1.60	.40	1480.
75	7.51	32.55	75	25.45	255.3	2.30	.84	1479.
100	7.45	32.94	99	25.76	226.2	2.89	1.37	1480.
125	7.16	33.24	124	26.04	200.0	3.44	1.99	1479.
150	7.07	33.31	149	26.11	193.6	3.93	2.68	1480.

DEEPEST MEASUREMENT:

150	7.07	33.31	149	26.11	193.6	3.93	2.68	1480.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-052
 POSITION 51-57.7N, 130- 1.9W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 30/05/82
 PST 04:06

STATION M014

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.33	31.76	0	24.56	338.7	.00	.00	1484.
10	9.33	31.76	10	24.56	338.6	.34	.02	1484.
20	9.18	31.80	20	24.62	333.5	.68	.07	1484.
30	8.95	31.85	30	24.68	327.2	1.01	.15	1483.
50	8.35	32.00	50	24.89	307.7	1.64	.41	1481.
75	7.83	32.42	75	25.30	269.3	2.36	.87	1480.
100	7.33	33.14	99	25.93	209.3	2.95	1.39	1480.
125	7.23	33.25	124	26.03	200.3	3.46	1.97	1480.
150	6.98	33.47	149	26.24	180.8	3.93	2.64	1479.
175	6.25	33.77	174	26.57	149.4	4.33	3.30	1477.

DEEPEST MEASUREMENT:

184	6.15	33.80	183	26.61	146.1	4.47	3.54	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-053
 POSITION 51-57.8N, 130-18.5W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 30/05/82
 PST 04:42

STATION M015

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.21	31.65	0	24.49	345.1	.00	.00	1483.
10	9.21	31.65	10	24.49	345.0	.35	.02	1483.
20	9.21	31.67	20	24.50	344.3	.69	.07	1484.
30	9.09	31.70	30	24.55	340.2	1.03	.16	1483.
50	7.96	32.08	50	25.02	295.8	1.67	.41	1480.
75	7.79	32.41	75	25.30	269.3	2.38	.87	1480.
100	7.48	32.78	99	25.63	238.2	3.01	1.43	1480.
125	7.02	33.37	124	26.16	188.6	3.54	2.04	1479.
150	6.54	33.68	149	26.46	159.5	3.99	2.65	1478.
175	5.89	33.86	174	26.69	138.5	4.36	3.27	1476.
200	5.54	33.93	199	26.79	129.0	4.69	3.90	1475.
225	5.42	33.96	223	26.82	126.2	5.01	4.59	1475.

DEEPEST MEASUREMENT:

245	5.35	33.97	243	26.84	124.7	5.26	5.19	1475.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-054
 POSITION 51-57.6N, 130-35.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 30/05/82
 PST 05:54

STATION M016

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.45	31.89	0	24.64	330.8	.00	.00	1484.
10	9.44	31.88	10	24.64	331.4	.33	.02	1485.
20	9.35	31.91	20	24.68	327.9	.66	.07	1484.
30	9.21	31.98	30	24.75	321.2	.99	.15	1484.
50	8.56	32.22	50	25.04	293.7	1.60	.40	1482.
75	7.48	32.71	75	25.58	243.0	2.29	.84	1479.
100	7.20	32.95	99	25.81	221.5	2.88	1.36	1479.
125	6.70	33.47	124	26.28	177.0	3.38	1.93	1478.
150	6.16	33.69	149	26.52	154.1	3.81	2.53	1476.
175	5.75	33.88	174	26.72	134.9	4.17	3.13	1475.
200	5.47	33.95	199	26.81	127.2	4.50	3.75	1475.
225	5.18	33.97	223	26.86	122.1	4.81	4.43	1474.
250	4.92	34.04	248	26.95	114.6	5.11	5.15	1473.
300	4.84	34.05	298	26.96	113.6	5.68	6.75	1474.

DEEPEST MEASUREMENT:

348	4.60	34.10	345	27.03	107.3	6.21	8.50	1474.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-055
 POSITION 51-45.5N, 130-34.1W
 RESULTS OF STP CAST
 GUIDLINE WAS USED

DATE 30/05/82

PST 08:48

STATION MC01

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	8.42	32.18	0	25.02	294.6	.00	.00	1481.
10	8.40	32.17	10	25.02	294.8	.29	.02	1481.
20	8.20	32.24	20	25.11	286.8	.59	.06	1480.
30	7.98	32.33	30	25.20	277.8	.87	.13	1480.
50	7.71	32.50	50	25.38	261.6	1.41	.35	1479.
75	7.62	32.54	75	25.42	257.5	2.06	.76	1479.
100	7.36	32.83	99	25.69	232.6	2.69	1.32	1479.
125	7.21	33.07	124	25.90	213.3	3.24	1.96	1479.
150	6.18	33.67	149	26.51	155.5	3.71	2.62	1476.
175	6.15	33.87	174	26.66	140.9	4.08	3.23	1477.
200	5.60	33.90	199	26.76	131.9	4.42	3.88	1475.
225	5.39	33.94	223	26.81	126.9	4.74	4.57	1475.
250	5.37	33.95	248	26.83	126.0	5.06	5.34	1475.
300	4.90	34.03	298	26.94	115.3	5.66	7.03	1474.
400	4.58	34.08	397	27.01	109.5	6.78	10.98	1475.

DEEPEST MEASUREMENT:

427	4.60	34.06	424	27.00	111.1	7.07	12.24	1475.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-056
 POSITION 51-45.5N, 130-34.1W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 30/05/82

PST 09:18

STATION MC02

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	8.43	32.20	0	25.04	293.1	.00	.00	1481.
10	8.41	32.19	10	25.03	293.7	.29	.01	1481.
20	8.37	32.19	20	25.04	293.3	.59	.06	1481.
30	8.23	32.25	30	25.11	286.5	.88	.13	1481.
50	7.68	32.54	50	25.42	257.7	1.43	.36	1479.
75	7.53	32.64	75	25.52	248.6	2.06	.76	1479.
100	7.32	32.89	99	25.74	227.7	2.65	1.29	1479.
125	7.25	33.03	124	25.86	216.9	3.21	1.92	1479.
150	6.35	33.61	149	26.43	162.6	3.66	2.56	1477.
175	6.29	33.88	174	26.65	142.0	4.03	3.17	1478.
200	5.78	33.92	199	26.75	132.8	4.38	3.83	1476.
225	5.41	33.94	223	26.81	127.1	4.70	4.53	1475.
250	5.34	34.00	248	26.86	122.5	5.01	5.28	1475.
300	5.02	34.04	298	26.93	116.3	5.61	6.95	1475.
400	4.76	34.06	397	26.98	112.6	6.75	11.03	1475.

DEEPEST MEASUREMENT:

431	4.75	34.06	428	26.98	112.7	7.10	12.51	1476.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-057
 POSITION 51-35.5N, 128-55.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 30/05/82

PST 20:48

STATION C000

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.82	31.66	0	24.40	353.8	.00	.00	1485.
10	9.52	31.65	10	24.45	349.5	.35	.02	1484.
20	9.35	31.69	20	24.50	344.3	.70	.07	1484.
30	8.95	31.75	30	24.61	334.3	1.04	.16	1483.
50	8.95	31.74	50	24.60	335.4	1.71	.43	1483.

DEEPEST MEASUREMENT:

50	8.95	31.74	50	24.60	335.4	1.71	.43	1483.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.82	31.66	26.		8.98	31.76
1.		9.82	31.66	27.		8.97	31.75
2.		9.82	31.66	28.		8.96	31.75
3.		9.82	31.66	29.		8.95	31.75
4.		9.82	31.66	30.		8.95	31.75
5.		9.82	31.66	31.		8.95	31.75
6.		9.83	31.64	32.		8.95	31.75
7.		9.81	31.65	33.		8.95	31.74
8.		9.61	31.67	34.		8.94	31.75
9.		9.53	31.67	35.		8.94	31.75
10.		9.52	31.65	36.		8.94	31.75
11.		9.50	31.66	37.		8.93	31.76
12.		9.48	31.67	38.		8.94	31.74
13.		9.47	31.65	39.		8.94	31.75
14.		9.48	31.65	40.		8.94	31.75
16.		9.47	31.65	41.		8.94	31.75
17.		9.45	31.65	42.		8.94	31.74
18.		9.45	31.65	43.		8.94	31.74
19.		9.42	31.67	44.		8.94	31.74
20.		9.35	31.69	45.		8.94	31.73
21.		9.20	31.73	46.		8.95	31.74
22.		9.08	31.74	47.		8.94	31.74
23.		9.05	31.74	48.		8.95	31.75
24.		9.02	31.75	49.		8.94	31.75
25.		9.00	31.76	50.		8.95	31.74

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-058
 POSITION 51-37.6N, 128-47.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 30/05/82

PST 21:48

STATION G101

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.60	31.58	0	24.37	356.2	.00	.00	1485.
10	9.37	31.58	10	24.41	353.2	.36	.02	1484.
20	9.09	31.64	20	24.51	344.1	.70	.07	1483.
30	8.88	31.70	30	24.58	336.9	1.04	.16	1482.

DEEPEST MEASUREMENT:

46	8.88	31.70	46	24.58	337.6	1.58	.37	1483.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.60	31.58	24.		8.96	31.68
1.		9.60	31.58	25.		8.94	31.69
2.		9.60	31.58	26.		8.92	31.69
3.		9.60	31.58	27.		8.91	31.70
4.		9.60	31.58	28.		8.91	31.69
5.		9.61	31.57	29.		8.90	31.70
6.		9.57	31.57	30.		8.88	31.70
7.		9.51	31.57	31.		8.88	31.70
8.		9.46	31.58	32.		8.88	31.70
9.		9.40	31.58	33.		8.88	31.69
10.		9.37	31.58	34.		8.87	31.71
11.		9.30	31.59	35.		8.87	31.70
12.		9.28	31.59	36.		8.88	31.71
13.		9.28	31.58	37.		8.88	31.70
14.		9.27	31.58	38.		8.88	31.70
15.		9.26	31.58	39.		8.88	31.71
16.		9.25	31.60	40.		8.87	31.71
17.		9.19	31.63	41.		8.87	31.71
18.		9.14	31.64	42.		8.87	31.70
19.		9.11	31.64	43.		8.88	31.71
20.		9.09	31.64	44.		8.88	31.70
21.		9.05	31.66	45.		8.88	31.70
22.		9.01	31.67	46.		8.88	31.70
23.		8.97	31.69				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-059
 POSITION 51-39.4N, 128-41.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 30/05/82

PST 22:24

STATION G102

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.28	31.32	0	24.07	385.7	.00	.00	1487.
10	9.89	31.43	10	24.21	372.1	.38	.02	1486.
20	9.59	31.53	20	24.34	359.8	.75	.07	1485.
30	9.29	31.61	30	24.45	349.9	1.10	.16	1484.

DEEPEST MEASUREMENT:

42	8.61	31.80	42	24.70	325.7	1.51	.31	1482.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		10.28	31.32	22.		9.52	31.56
1.		10.28	31.32	23.		9.48	31.58
2.		10.28	31.32	24.		9.44	31.59
3.		10.28	31.32	25.		9.42	31.59
4.		10.28	31.32	26.		9.39	31.60
5.		10.28	31.32	27.		9.36	31.60
6.		10.28	31.32	28.		9.34	31.60
7.		10.24	31.35	29.		9.30	31.61
8.		10.16	31.36	30.		9.29	31.61
9.		9.92	31.41	31.		9.28	31.62
10.		9.89	31.43	32.		9.27	31.62
11.		9.84	31.47	33.		9.22	31.62
12.		9.78	31.49	34.		9.14	31.64
13.		9.71	31.52	35.		8.96	31.68
14.		9.69	31.52	36.		8.81	31.75
15.		9.66	31.52	37.		8.72	31.77
16.		9.66	31.52	38.		8.66	31.79
17.		9.64	31.53	39.		8.64	31.78
18.		9.63	31.52	40.		8.63	31.80
19.		9.61	31.54	41.		8.61	31.80
20.		9.59	31.53	42.		8.61	31.80
21.		9.56	31.55				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-060
 POSITION 51-40.5N, 128-36.9W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 30/05/82

PST 22:48

STATION G103

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.18	31.17	0	23.96	395.8	.00	.00	1486.
10	10.27	31.07	10	23.87	404.2	.40	.02	1487.
20	9.07	31.63	20	24.50	344.6	.77	.08	1483.
30	8.56	31.81	30	24.71	324.4	1.10	.16	1481.

DEEPEST MEASUREMENT:

34	8.56	31.80	34	24.71	324.7	1.23	.20	1481.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		10.18	31.17	18.		9.21	31.58
1.		10.18	31.17	19.		9.15	31.60
2.		10.18	31.17	20.		9.07	31.63
3.		10.18	31.17	21.		9.00	31.66
4.		10.18	31.17	22.		8.93	31.68
5.		10.27	31.14	23.		8.74	31.75
6.		10.35	31.12	24.		8.60	31.81
7.		10.38	31.09	25.		8.57	31.81
8.		10.38	31.07	26.		8.56	31.81
9.		10.32	31.07	27.		8.56	31.80
10.		10.27	31.07	28.		8.56	31.81
11.		10.12	31.11	29.		8.57	31.80
12.		10.09	31.13	30.		8.56	31.81
13.		10.06	31.14	31.		8.56	31.80
14.		9.84	31.28	32.		8.56	31.81
15.		9.34	31.54	33.		8.56	31.81
16.		9.25	31.57	34.		8.56	31.80
17.		9.22	31.58				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-061
 POSITION 51-41.1N, 128-33.1W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 30/05/82

PST 23:24

STATION G104

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.25	30.93	0	23.76	414.7	.00	.00	1486.
10	10.14	30.96	10	23.81	410.5	.41	.02	1486.
20	9.24	31.55	20	24.41	353.5	.79	.08	1483.
30	9.11	31.64	30	24.50	344.9	1.14	.17	1483.
50	8.22	31.96	50	24.88	308.5	1.80	.43	1481.
75	7.78	32.29	75	25.20	278.5	2.55	.91	1480.
100	7.23	32.93	99	25.78	223.6	3.18	1.47	1479.
125	6.85	33.39	124	26.20	184.8	3.67	2.03	1478.

DEEPEST MEASUREMENT:

125	6.85	33.39	124	26.20	184.8	3.67	2.03	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-062
 POSITION 51-42.8N, 128-28.8W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 31/05/82

PST 00:06

STATION G105

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.70	31.24	0	24.09	382.9	.00	.00	1484.
10	9.57	31.26	10	24.13	379.4	.38	.02	1484.
20	9.11	31.33	20	24.26	367.6	.76	.08	1483.
30	8.78	31.52	30	24.45	349.3	1.11	.17	1482.
50	7.87	31.55	50	24.61	334.1	1.80	.45	1479.
75	7.52	32.31	75	25.25	273.7	2.57	.93	1479.
100	7.19	33.19	99	25.99	203.9	3.16	1.46	1479.
125	6.75	33.59	124	26.37	168.7	3.62	1.99	1478.

DEEPEST MEASUREMENT:

146	6.42	33.72	145	26.51	155.1	3.96	2.45	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-063
 POSITION 51-43.7N, 128-24.6W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 31/05/82

PST 00:42

STATION G106

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.71	29.91	0	22.90	497.3	.00	.00	1486.
10	9.64	31.21	10	24.08	384.0	.48	.02	1484.
20	9.32	31.49	20	24.35	359.1	.84	.08	1484.
30	8.73	31.48	30	24.43	351.3	1.20	.17	1482.
50	8.26	31.70	50	24.68	328.2	1.88	.45	1480.
75	7.59	32.65	75	25.51	249.4	2.61	.91	1479.
100	7.00	33.40	99	26.18	186.1	3.15	1.38	1479.
125	6.78	33.57	124	26.34	170.8	3.59	1.89	1478.
150	6.60	33.71	149	26.48	157.9	4.00	2.47	1478.

DEEPEST MEASUREMENT:

151	6.26	33.78	150	26.58	148.4	4.02	2.49	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-064
 POSITION 51-44.7N, 128-21.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 31/05/82

PST 01:12

STATION G107

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.70	29.45	0	22.54	531.0	.00	.00	1486.
10	9.66	30.93	10	23.86	405.6	.51	.03	1484.
20	9.25	31.40	20	24.29	364.3	.88	.08	1483.
30	9.12	31.45	30	24.35	358.8	1.24	.17	1483.
50	8.52	31.69	50	24.63	332.7	1.94	.46	1481.
75	7.57	32.51	75	25.41	259.0	2.69	.93	1479.
100	7.02	33.35	99	26.14	189.7	3.24	1.42	1479.
125	6.77	33.62	124	26.39	166.7	3.68	1.93	1478.

DEEPEST MEASUREMENT:

144	6.58	33.72	143	26.49	156.8	3.99	2.35	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-065
 POSITION 51-45.3N, 128-18.5W
 RESULTS OF STP CAST
 GUIDELINE WAS USED

DATE 31/05/82

PST 01:36

STATION G108

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.37	30.78	0	23.79	411.7	.00	.00	1483.
10	9.37	30.78	10	23.79	411.8	.41	.02	1483.
20	8.88	31.20	20	24.19	374.3	.80	.08	1482.
30	8.87	31.50	30	24.43	351.8	1.17	.17	1482.
50	8.15	31.76	50	24.74	322.6	1.85	.45	1480.
75	7.57	32.35	75	25.28	270.9	2.61	.93	1479.
100	7.04	33.38	99	26.16	187.4	3.19	1.44	1479.
125	6.77	33.67	124	26.42	163.1	3.62	1.94	1478.
150	5.57	33.97	149	26.81	126.0	3.99	2.46	1474.

DEEPEST MEASUREMENT:

152	5.57	33.96	151	26.81	126.5	4.02	2.49	1474.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-066
 POSITION 51-35.3N, 128-54.7W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 31/05/82

PST 16:54

STATION C000

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.79	31.64	0	24.39	355.0	.00	.00	1485.
10	9.72	31.64	10	24.41	353.4	.36	.02	1485.
20	9.22	31.68	20	24.52	343.0	.70	.07	1484.
30	9.06	31.71	30	24.56	338.7	1.04	.16	1483.
50	8.86	31.75	50	24.62	333.4	1.71	.43	1483.

DEEPEST MEASUREMENT:

49	8.87	31.75	49	24.62	333.4	1.68	.41	1483.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.79	31.64	25.		9.16	31.69
1.		9.79	31.64	26.		9.14	31.70
2.		9.79	31.64	27.		9.11	31.70
3.		9.79	31.64	28.		9.10	31.71
4.		9.79	31.64	29.		9.09	31.71
5.		9.79	31.64	30.		9.06	31.71
6.		9.80	31.63	31.		9.06	31.72
7.		9.80	31.63	32.		9.04	31.73
8.		9.80	31.63	33.		9.03	31.72
9.		9.76	31.64	34.		9.01	31.72
10.		9.72	31.64	35.		9.00	31.72
11.		9.54	31.66	36.		8.98	31.73
12.		9.50	31.65	37.		8.98	31.73
13.		9.44	31.65	38.		8.96	31.74
14.		9.40	31.66	39.		8.95	31.74
15.		9.32	31.68	40.		8.94	31.74
16.		9.30	31.68	41.		8.92	31.75
17.		9.28	31.68	42.		8.91	31.75
18.		9.25	31.69	43.		8.89	31.76
19.		9.24	31.69	44.		8.89	31.76
20.		9.22	31.68	45.		8.89	31.74
21.		9.20	31.68	46.		8.88	31.76
22.		9.20	31.69	47.		8.87	31.75
23.		9.19	31.69	48.		8.87	31.75
24.		9.17	31.70	49.		8.87	31.75

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-067
 POSITION 51-34.0N, 128-54.7W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 31/05/82

PST 17:12

STATION C001

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.60	31.63	0	24.42	352.3	.00	.00	1485.
10	9.56	31.63	10	24.42	352.3	.35	.02	1485.
20	9.31	31.63	20	24.46	348.7	.70	.07	1484.
30	9.29	31.63	30	24.46	348.2	1.05	.16	1484.
50	9.25	31.66	50	24.49	345.8	1.75	.44	1484.

DEEPEST MEASUREMENT:

50	9.25	31.66	50	24.49	345.8	1.75	.44	1484.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.60	31.63	26.		9.30	31.62
1.		9.60	31.63	27.		9.31	31.61
2.		9.60	31.63	28.		9.30	31.63
3.		9.60	31.63	29.		9.30	31.62
4.		9.60	31.63	30.		9.29	31.63
5.		9.61	31.63	31.		9.29	31.63
6.		9.61	31.63	32.		9.30	31.62
7.		9.58	31.63	33.		9.29	31.63
8.		9.59	31.63	34.		9.28	31.64
9.		9.57	31.63	35.		9.28	31.63
10.		9.56	31.63	36.		9.28	31.63
11.		9.52	31.65	37.		9.26	31.65
12.		9.48	31.63	38.		9.26	31.65
13.		9.44	31.63	39.		9.26	31.65
14.		9.38	31.61	40.		9.26	31.65
15.		9.35	31.61	41.		9.26	31.66
16.		9.35	31.61	42.		9.26	31.66
17.		9.34	31.62	43.		9.25	31.66
18.		9.32	31.61	44.		9.25	31.66
19.		9.32	31.61	45.		9.25	31.66
20.		9.31	31.63	46.		9.25	31.66
21.		9.31	31.61	47.		9.25	31.66
22.		9.31	31.62	48.		9.25	31.66
23.		9.30	31.63	49.		9.25	31.66
24.		9.29	31.64	50.		9.25	31.66
25.		9.30	31.63				

HYDROGRAPHIC SERVICE DIVISION

REFERENCE NO. 82-01-068

DATE 31/05/82

POSITION 51-32.8N, 128-54.7W

PST 17:24

STATION C002

RESULTS OF STP CAST

GUILDLINE WAS USED

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.62	31.61	0	24.39	354.6	.00	.00	1485.
10	9.32	31.60	10	24.44	350.6	.35	.02	1484.
20	9.29	31.61	20	24.45	349.6	.70	.07	1484.
30	9.29	31.61	30	24.45	349.9	1.05	.16	1484.
50	9.29	31.61	50	24.45	349.9	1.75	.45	1484.

DEEPEST MEASUREMENT:

51	9.29	31.61	51	24.45	350.0	1.79	.46	1484.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-069
 POSITION 51-31.2N, 128-54.7W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 31/05/82

PST 17:42

STATION C003

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.75	31.55	0	24.33	360.6	.00	.00	1485.
10	9.74	31.56	10	24.33	360.2	.36	.02	1485.
20	9.45	31.55	20	24.38	356.3	.72	.07	1484.
30	9.38	31.58	30	24.41	353.3	1.07	.16	1484.

DEEPEST MEASUREMENT:

45	8.93	31.78	45	24.63	332.5	1.59	.36	1483.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.75	31.55	23.		9.42	31.56
1.		9.75	31.55	24.		9.42	31.56
2.		9.75	31.55	25.		9.42	31.56
3.		9.75	31.55	26.		9.42	31.56
4.		9.75	31.55	27.		9.41	31.57
5.		9.76	31.56	28.		9.41	31.56
6.		9.74	31.56	29.		9.39	31.57
7.		9.75	31.56	30.		9.38	31.58
8.		9.74	31.56	31.		9.36	31.59
9.		9.75	31.56	32.		9.26	31.61
10.		9.74	31.56	33.		9.23	31.62
11.		9.75	31.55	34.		9.23	31.62
12.		9.74	31.55	35.		9.21	31.63
13.		9.57	31.56	36.		9.19	31.63
14.		9.52	31.58	37.		9.17	31.65
15.		9.51	31.56	38.		9.17	31.64
16.		9.48	31.56	39.		9.17	31.65
17.		9.47	31.55	40.		9.15	31.65
18.		9.47	31.55	41.		9.15	31.65
19.		9.45	31.56	42.		9.14	31.66
20.		9.45	31.55	43.		9.10	31.68
21.		9.44	31.56	44.		9.02	31.73
22.		9.43	31.56	45.		8.93	31.78

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-070
 POSITION 51-30.0N, 128-54.7W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 31/05/82

PST 17:54

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
C	9.83	31.57	0	24.33	360.8	.00	.00	1485.
10	9.66	31.57	10	24.36	358.0	.36	.02	1485.
20	9.33	31.57	20	24.41	352.9	.71	.07	1484.
30	9.31	31.59	30	24.43	351.9	1.07	.16	1484.
50	8.72	31.82	50	24.70	326.3	1.74	.44	1482.

DEEPEST MEASUREMENT:

61	8.01	32.23	61	25.12	285.8	2.08	.63	1480.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-071
 POSITION 51-28.0N, 128-54.7W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 31/05/82

PST 18:06

STATION C005

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.03	31.49	0	24.23	369.6	.00	.00	1486.
10	9.76	31.52	10	24.31	363.0	.37	.02	1485.
20	9.41	31.54	20	24.37	356.9	.73	.07	1484.
30	9.28	31.55	30	24.40	354.1	1.08	.16	1484.
50	8.43	31.85	50	24.77	319.7	1.76	.44	1481.
75	7.76	32.50	75	25.37	262.6	2.48	.89	1480.
100	7.24	33.12	99	25.93	209.7	3.05	1.40	1479.

DEEPEST MEASUREMENT:

114	6.61	33.62	113	26.41	164.5	3.31	1.69	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-072
 POSITION 51-26.2N, 128-54.7W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 31/05/82
 PST 18:24

STATION C006

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.17	31.50	0	24.22	371.1	.00	.00	1487.
10	9.74	31.50	10	24.29	364.2	.37	.02	1485.
20	9.56	31.51	20	24.33	360.8	.73	.07	1485.
30	9.45	31.53	30	24.36	358.0	1.09	.17	1484.
50	8.68	31.79	50	24.68	327.7	1.79	.45	1482.
75	7.53	32.75	75	25.60	240.9	2.51	.91	1479.
100	7.30	33.08	99	25.89	213.6	3.07	1.40	1479.
125	6.48	33.73	124	26.51	154.8	3.56	1.96	1477.
150	5.59	33.96	149	26.81	126.8	3.89	2.42	1474.

DEEPEST MEASUREMENT:

169	5.59	33.97	168	26.81	126.7	4.13	2.81	1475.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-073
 POSITION 51-24.5N, 128-54.7W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 31/05/82
 PST 18:42

STATION C007

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.05	31.43	0	24.19	374.0	.00	.00	1486.
10	9.66	31.43	10	24.25	368.7	.37	.02	1485.
20	9.38	31.46	20	24.32	361.9	.74	.07	1484.
30	9.44	31.55	30	24.38	356.3	1.10	.17	1484.
50	9.01	31.69	50	24.55	340.0	1.80	.45	1483.
75	7.72	32.51	75	25.39	261.1	2.57	.94	1480.
100	7.42	32.96	99	25.78	223.7	3.18	1.48	1480.
125	6.63	33.65	124	26.43	162.7	3.64	2.01	1478.
150	5.62	33.96	149	26.80	127.2	4.00	2.50	1475.
175	5.57	33.97	174	26.81	126.6	4.31	3.02	1475.
200	5.56	33.97	199	26.81	126.7	4.63	3.63	1475.

DEEPEST MEASUREMENT:

211	5.56	33.97	210	26.82	126.6	4.77	3.92	1475.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-074
 POSITION 51-23.0N, 128-54.7W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 31/05/82
 PST 19:00

STATION C008

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.14	31.38	0	24.13	379.7	.00	.00	1486.
10	10.11	31.37	10	24.13	379.8	.38	.02	1486.
20	9.59	31.40	20	24.23	370.1	.75	.08	1485.
30	9.16	31.41	30	24.31	362.6	1.12	.17	1483.
50	8.62	31.62	50	24.56	339.7	1.83	.46	1482.
75	7.85	32.34	75	25.24	275.4	2.61	.95	1480.
100	7.26	33.20	99	25.99	204.2	3.21	1.48	1479.
125	6.89	33.50	124	26.28	177.2	3.68	2.02	1479.
150	6.10	33.83	149	26.64	143.1	4.08	2.59	1476.
175	5.83	33.93	174	26.75	132.5	4.42	3.15	1476.
200	5.35	33.99	199	26.86	122.7	4.74	3.76	1474.
225	5.19	34.01	223	26.89	119.6	5.05	4.41	1474.

DEEPEST MEASUREMENT:

235	5.19	34.01	233	26.89	119.4	5.16	4.69	1474.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-075
 POSITION 51-18.4N, 128-53.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 31/05/82
 PST 19:42

STATION C010

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.95	31.39	0	24.17	375.4	.00	.00	1486.
10	9.89	31.38	10	24.17	375.8	.38	.02	1486.
20	9.57	31.39	20	24.23	370.4	.75	.08	1485.
30	9.33	31.45	30	24.31	362.4	1.12	.17	1484.
50	8.62	31.61	50	24.55	339.9	1.82	.46	1482.
75	8.14	32.13	75	25.02	295.5	2.62	.96	1481.
100	7.23	33.13	99	25.94	209.1	3.24	1.51	1479.
125	6.93	33.77	124	26.48	157.6	3.70	2.04	1479.
150	6.54	33.84	149	26.59	147.6	4.08	2.57	1478.
175	6.29	33.89	174	26.66	141.3	4.44	3.16	1478.
200	5.92	33.93	199	26.74	134.2	4.78	3.82	1477.
225	5.72	33.95	223	26.78	130.1	5.11	4.53	1476.

DEEPEST MEASUREMENT:

234	5.68	33.96	232	26.79	129.1	5.23	4.80	1476.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-076
 POSITION 51-15.5N, 128-52.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 31/05/82
 PST 20:12

STATION C011

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.03	31.44	0	24.20	373.3	.00	.00	1486.
10	9.78	31.45	10	24.25	368.4	.37	.02	1485.
20	9.58	31.46	20	24.29	364.9	.74	.07	1485.
30	9.45	31.47	30	24.32	362.4	1.10	.17	1484.
50	8.67	31.60	50	24.54	341.7	1.81	.46	1482.
75	7.71	32.53	75	25.40	259.6	2.59	.95	1480.
100	7.32	33.50	99	26.22	182.6	3.15	1.44	1480.
125	7.12	33.66	124	26.37	168.0	3.59	1.94	1480.
150	6.88	33.77	149	26.49	157.3	3.99	2.51	1479.
175	6.58	33.84	174	26.59	148.3	4.37	3.14	1479.
200	5.96	33.92	199	26.73	135.3	4.73	3.82	1477.

DEEPEST MEASUREMENT:

206	5.94	33.92	205	26.73	134.8	4.81	3.99	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-077
 POSITION 51-12.8N, 128-50.5W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 31/05/82
 PST 20:42

STATION C012

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.00	31.44	0	24.20	372.9	.00	.00	1486.
10	9.64	31.46	10	24.28	365.6	.37	.02	1485.
20	9.58	31.46	20	24.29	364.8	.74	.07	1485.
30	9.40	31.50	30	24.34	359.5	1.10	.17	1484.
50	8.87	31.56	50	24.47	347.6	1.81	.46	1483.
75	7.74	32.48	75	25.36	263.9	2.58	.94	1480.
100	7.33	33.34	99	26.09	194.5	3.16	1.46	1480.
125	6.77	33.80	124	26.52	153.6	3.60	1.96	1479.

DEEPEST MEASUREMENT:

130	6.68	33.82	129	26.55	151.1	3.67	2.05	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-078
 POSITION 51-10.0N, 128-49.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 31/05/82

PST 21:24

STATION C013

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.27	31.49	0	24.19	373.4	.00	.00	1487.
10	10.04	31.48	10	24.23	370.2	.37	.02	1486.
20	9.52	31.49	20	24.32	362.0	.74	.07	1484.
30	8.83	31.57	30	24.49	345.9	1.09	.16	1482.
50	8.38	31.72	50	24.68	328.3	1.77	.44	1481.
75	7.82	32.33	75	25.23	275.7	2.52	.91	1480.
100	7.30	32.98	99	25.81	221.0	3.13	1.46	1479.

DEEPEST MEASUREMENT:

104	7.18	33.27	103	26.06	197.8	3.22	1.55	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-079
 POSITION 51- 7.6N, 128-47.7W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 31/05/82

PST 21:48

STATION C014

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.65	30.74	0	23.55	434.9	.00	.00	1487.
10	10.64	30.75	10	23.56	433.9	.44	.02	1487.
20	9.74	31.40	20	24.21	372.2	.84	.08	1485.
30	9.28	31.49	30	24.35	358.7	1.20	.18	1484.
50	8.64	31.70	50	24.62	333.7	1.89	.46	1482.
75	8.06	32.03	75	24.96	301.3	2.69	.96	1481.

DEEPEST MEASUREMENT:

89	7.79	32.36	89	25.26	273.4	3.10	1.30	1480.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-080
 POSITION 51- 5.0N, 128-46.5W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 31/05/82

PST 22:18

STATION C015

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.93	30.63	0	23.42	447.4	.00	.00	1488.
10	10.82	30.73	10	23.51	438.8	.45	.02	1488.
20	9.72	31.43	20	24.24	369.7	.83	.08	1485.
30	8.95	31.64	30	24.52	342.6	1.19	.17	1483.
50	8.55	31.72	50	24.65	331.1	1.87	.45	1482.

DEEPEST MEASUREMENT:

63	7.76	32.30	63	25.21	277.5	2.27	.67	1480.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-081
 POSITION 51- 2.5N, 128-44.6W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 31/05/82

PST 22:54

STATION C016

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.54	30.72	0	23.55	434.9	.00	.00	1487.
10	10.49	30.74	10	23.58	432.3	.43	.02	1487.
20	9.42	31.36	20	24.24	369.9	.83	.08	1484.
30	9.17	31.44	30	24.33	360.6	1.20	.18	1483.
50	8.04	31.74	50	24.74	322.2	1.88	.45	1480.

DEEPEST MEASUREMENT:

69	7.57	32.62	69	25.49	251.1	2.42	.78	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-082
 POSITION 50-59.8N, 128-43.5W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 31/05/82

PST 23:24

STATION C017

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.62	30.32	0	23.23	465.8	.00	.00	1487.
10	10.57	30.33	10	23.24	464.5	.47	.02	1487.
20	9.05	31.22	20	24.18	375.1	.88	.09	1482.
30	8.66	31.38	30	24.37	357.2	1.25	.18	1481.
50	7.94	31.84	50	24.83	313.7	1.92	.45	1479.

DEEPEST MEASUREMENT:

71	7.55	32.55	71	25.44	255.9	2.52	.82	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-083
 POSITION 50-55.2N, 128-37.6W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 1/06/82

PST 00:00

STATION C018

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.73	29.86	0	22.86	501.0	.00	.00	1486.
10	10.69	29.87	10	22.87	499.8	.50	.03	1487.
20	10.40	30.20	20	23.17	471.3	1.00	.10	1486.
30	8.45	31.57	30	24.54	340.8	1.38	.20	1481.
50	7.57	32.52	50	25.41	258.2	2.01	.45	1479.

DEEPEST MEASUREMENT:

59	7.52	32.65	59	25.53	247.6	2.23	.58	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-084
 POSITION 50-53.3N, 128-24.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 1/06/82

PST 00:36

STATION C019

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.94	29.23	0	22.33	551.3	.00	.00	1486.
10	10.53	29.58	10	22.67	519.1	.55	.03	1486.
20	8.85	31.33	20	24.30	363.6	.99	.09	1482.
30	8.52	31.55	30	24.52	343.1	1.34	.18	1481.
50	8.04	31.88	50	24.84	312.2	1.99	.45	1480.

DEEPEST MEASUREMENT:

68	7.31	32.90	68	25.75	226.5	2.48	.73	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-085
 POSITION 50-51.5N, 128-32.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 1/06/82
 PST 01:00

STATION C020

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.98	30.08	0	23.15	473.1	.00	.00	1484.
10	9.93	30.12	10	23.19	469.5	.47	.02	1484.
20	8.23	31.59	20	24.59	336.0	.85	.08	1480.
30	8.11	31.81	30	24.78	318.0	1.17	.16	1480.
50	7.32	32.84	50	25.69	231.3	1.72	.38	1478.

DEEPEST MEASUREMENT:

49	7.40	32.72	49	25.59	241.1	1.70	.37	1478.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.98	30.08	25.		8.24	31.73
1.		9.98	30.08	26.		8.24	31.74
2.		9.98	30.08	27.		8.22	31.76
3.		9.98	30.08	28.		8.19	31.77
4.		9.98	30.08	29.		8.14	31.79
5.		10.00	30.06	30.		8.11	31.81
6.		10.07	30.01	31.		8.04	31.85
7.		10.07	30.02	32.		7.99	31.90
8.		10.00	30.07	33.		7.97	31.91
9.		9.94	30.12	34.		7.95	31.93
10.		9.93	30.12	35.		7.92	31.95
11.		9.70	30.32	36.		7.88	31.99
12.		8.82	30.96	37.		7.80	32.10
13.		8.57	31.07	38.		7.76	32.16
14.		8.19	31.27	39.		7.73	32.21
15.		8.23	31.28	40.		7.71	32.24
16.		8.27	31.36	41.		7.69	32.29
17.		8.27	31.46	42.		7.65	32.34
18.		8.26	31.56	43.		7.62	32.38
19.		8.21	31.61	44.		7.59	32.42
20.		8.23	31.59	45.		7.57	32.48
21.		8.20	31.60	46.		7.55	32.50
22.		8.24	31.63	47.		7.51	32.54
23.		8.27	31.67	48.		7.48	32.60
24.		8.27	31.69	49.		7.40	32.72

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-086
 POSITION 50-49.3N, 128-29.5W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 1/06/82

PST 01:48

STATION C021

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.60	31.50	0	24.32	361.7	.00	.00	1484.
10	8.56	31.68	10	24.62	333.3	.36	.02	1481.
20	7.94	31.93	20	24.90	306.6	.67	.07	1479.
30	7.95	32.05	30	24.99	297.8	.97	.14	1479.
50	7.47	32.69	50	25.56	244.3	1.52	.36	1479.

DEEPEST MEASUREMENT:

50	7.47	32.69	50	25.56	244.3	1.52	.36	1479.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.60	31.50	26.		7.93	31.98
1.		9.60	31.50	27.		7.93	31.99
2.		9.60	31.50	28.		7.91	32.02
3.		9.60	31.50	29.		7.92	32.04
4.		9.60	31.49	30.		7.95	32.05
5.		9.60	31.48	31.		7.93	32.06
6.		9.58	31.49	32.		7.90	32.07
7.		9.40	31.51	33.		7.87	32.09
8.		9.16	31.55	34.		7.83	32.13
9.		8.91	31.61	35.		7.77	32.20
10.		8.56	31.68	36.		7.73	32.27
11.		8.27	31.74	37.		7.73	32.28
12.		8.14	31.80	38.		7.74	32.28
13.		8.07	31.86	39.		7.75	32.29
14.		8.05	31.90	40.		7.75	32.30
15.		8.06	31.90	41.		7.75	32.31
16.		8.03	31.91	42.		7.75	32.33
17.		8.01	31.91	43.		7.75	32.34
18.		7.98	31.90	44.		7.71	32.41
19.		7.94	31.92	45.		7.64	32.49
20.		7.94	31.93	46.		7.60	32.53
21.		7.95	31.94	47.		7.59	32.54
22.		7.95	31.95	48.		7.52	32.63
23.		7.95	31.96	49.		7.51	32.63
24.		7.96	31.96	50.		7.47	32.69
25.		7.95	31.97				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-01-087
 POSITION 50-48.1N, 128-27.5W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 1/06/82
 PST 02:12 STATION C022

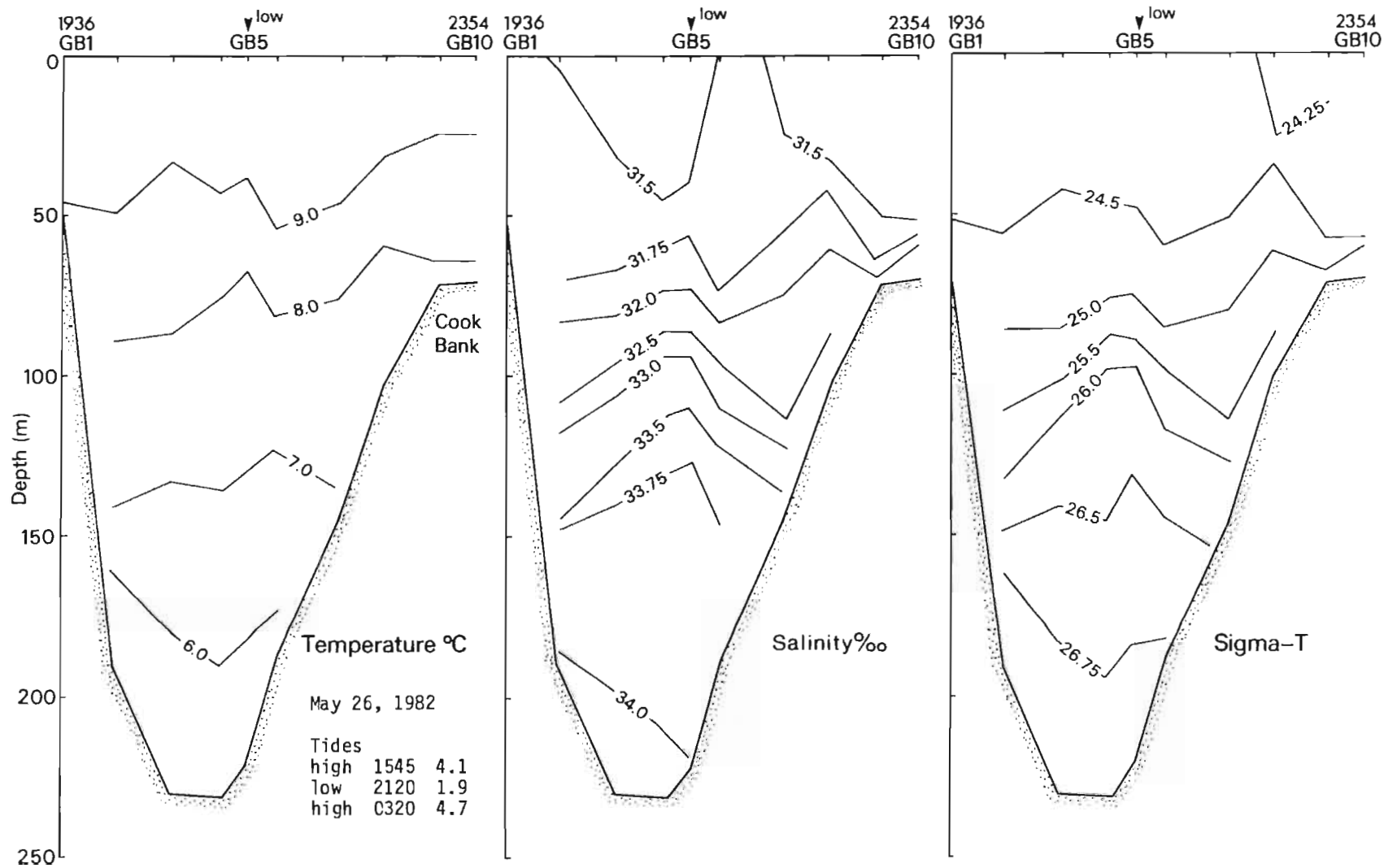
PRESSURES ARE INPUT

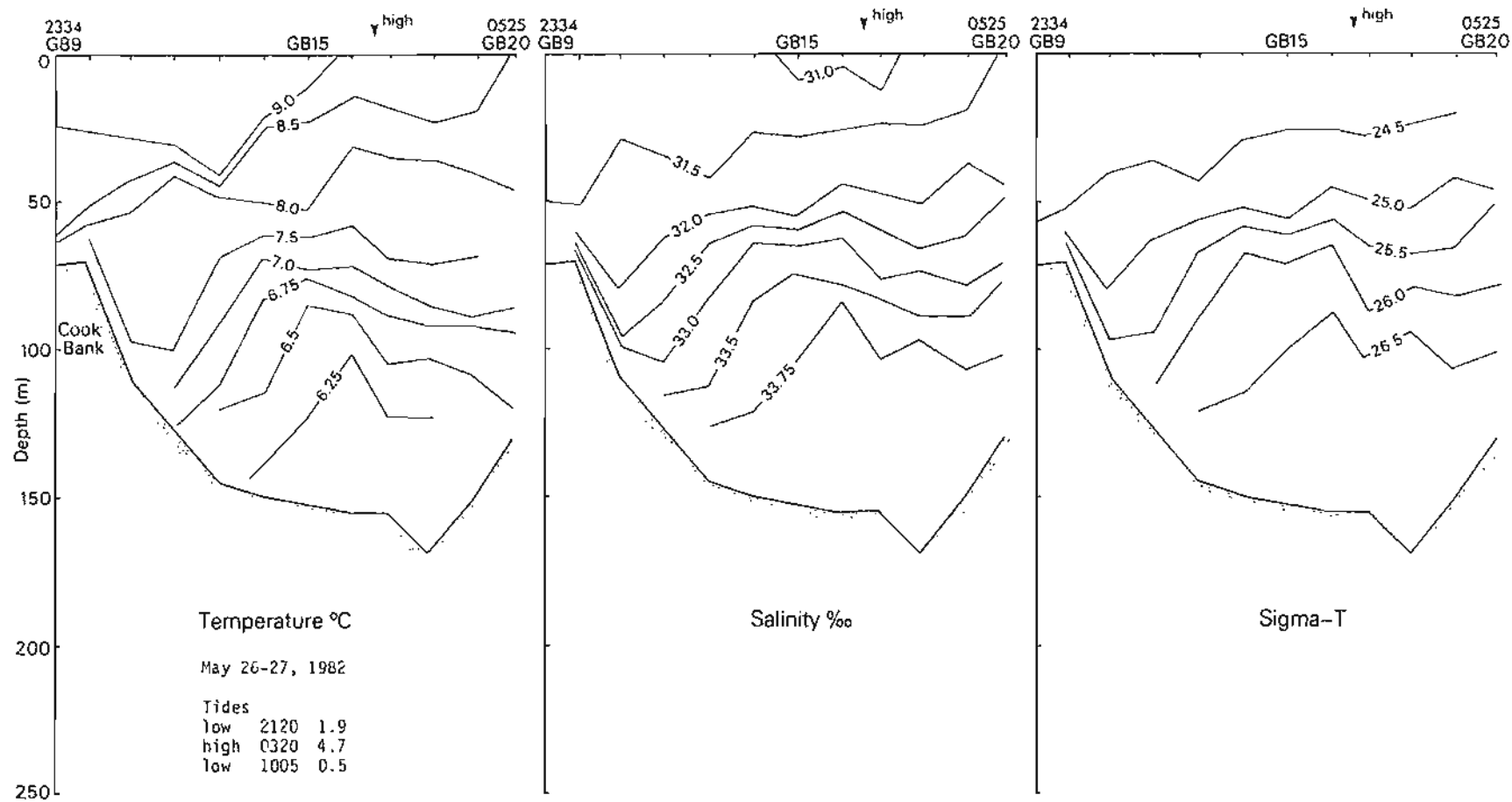
PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.21	31.97	0	24.74	321.1	.00	.00	1484.
10	9.05	32.03	10	24.81	314.5	.32	.02	1483.
20	8.33	32.42	20	25.23	275.2	.62	.06	1481.
30	7.62	32.70	30	25.55	245.2	.88	.13	1479.
50	7.32	32.98	50	25.81	220.4	1.34	.31	1478.

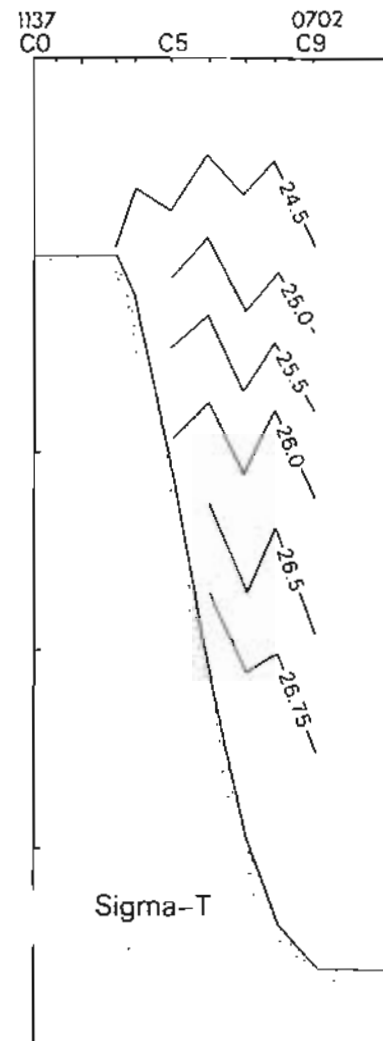
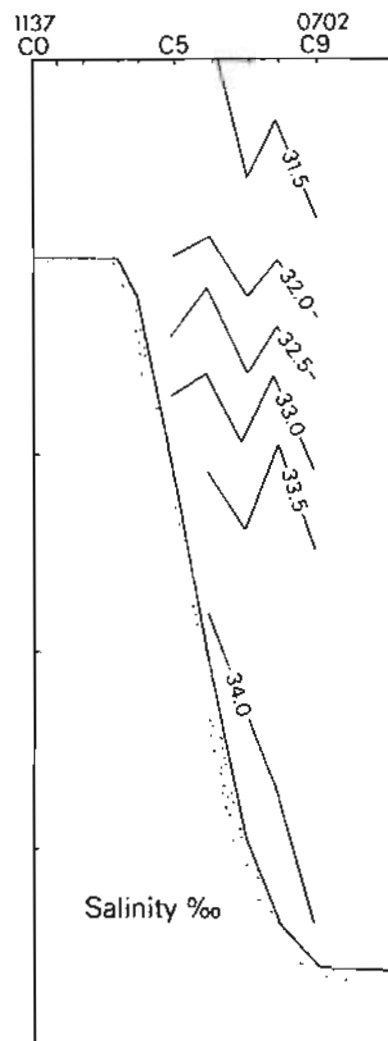
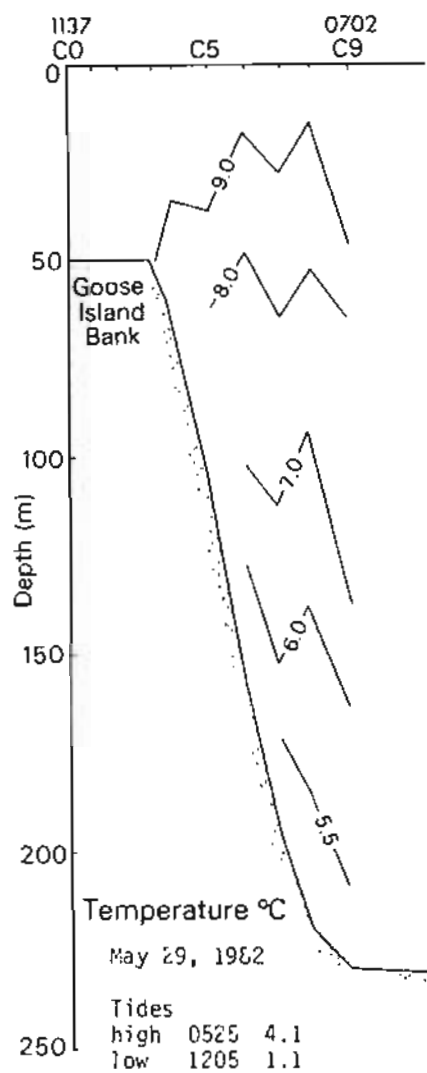
DEEPEST MEASUREMENT:

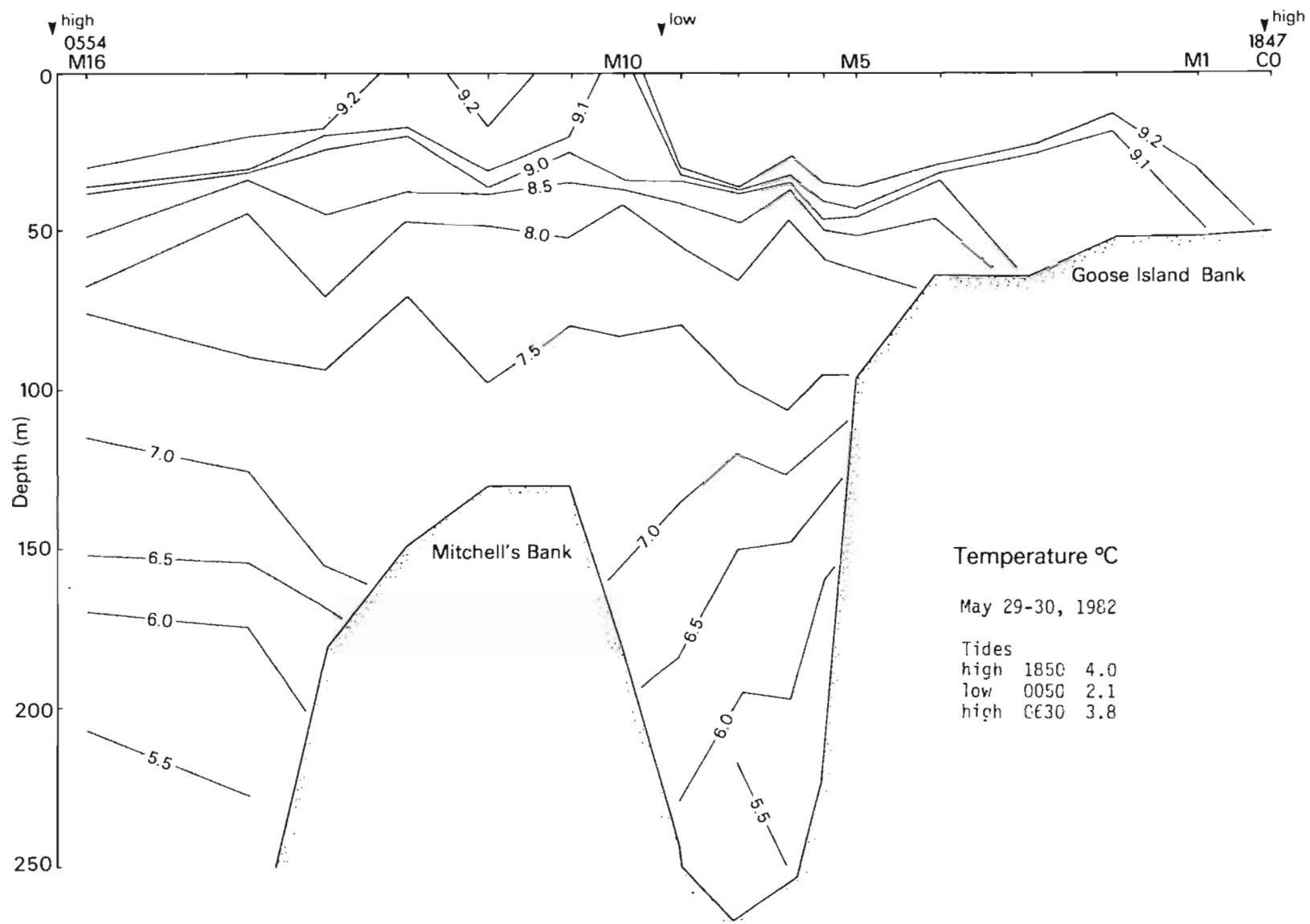
48	7.34	32.96	48	25.79	222.1	1.30	.29	1478.
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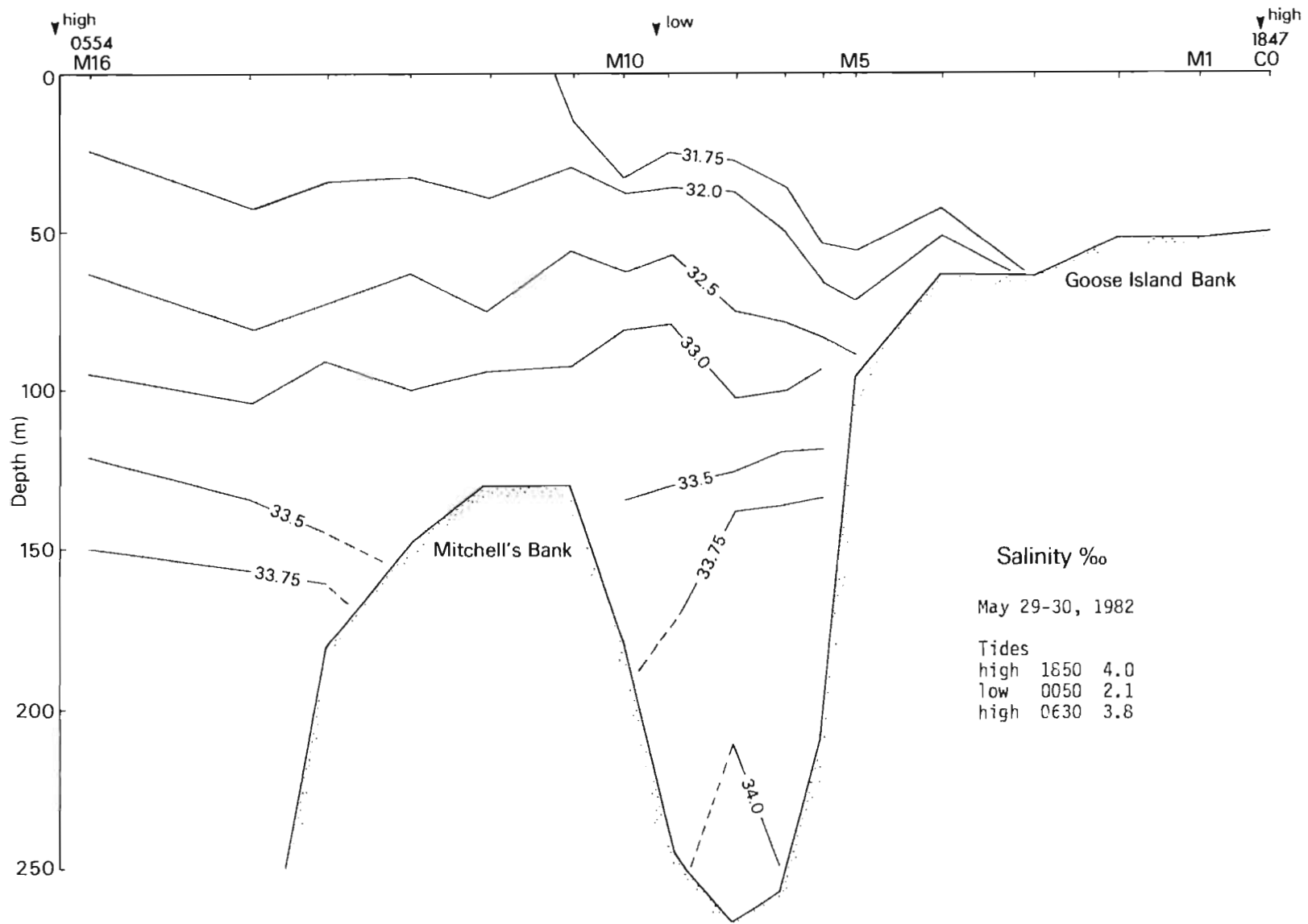
PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.21	31.97	25.		7.96	32.53
1.		9.21	31.97	26.		7.92	32.55
2.		9.21	31.97	27.		7.80	32.60
3.		9.21	31.99	28.		7.72	32.65
4.		9.16	32.00	29.		7.66	32.68
5.		9.15	32.00	30.		7.62	32.70
6.		9.13	31.99	31.		7.58	32.72
7.		9.13	31.99	32.		7.57	32.74
8.		9.10	32.00	33.		7.54	32.75
9.		9.06	32.02	34.		7.53	32.77
10.		9.05	32.03	35.		7.53	32.77
11.		9.04	32.05	36.		7.53	32.77
12.		9.04	32.05	37.		7.53	32.77
13.		9.03	32.05	38.		7.51	32.79
14.		9.01	32.07	39.		7.49	32.81
15.		8.97	32.14	40.		7.48	32.82
16.		8.69	32.20	41.		7.47	32.82
17.		8.56	32.27	42.		7.46	32.83
18.		8.53	32.36	43.		7.43	32.86
19.		8.44	32.37	44.		7.41	32.86
20.		8.33	32.42	45.		7.40	32.87
21.		8.27	32.45	46.		7.37	32.92
22.		8.09	32.51	47.		7.35	32.95
23.		8.02	32.53	48.		7.34	32.96
24.		7.98	32.53				

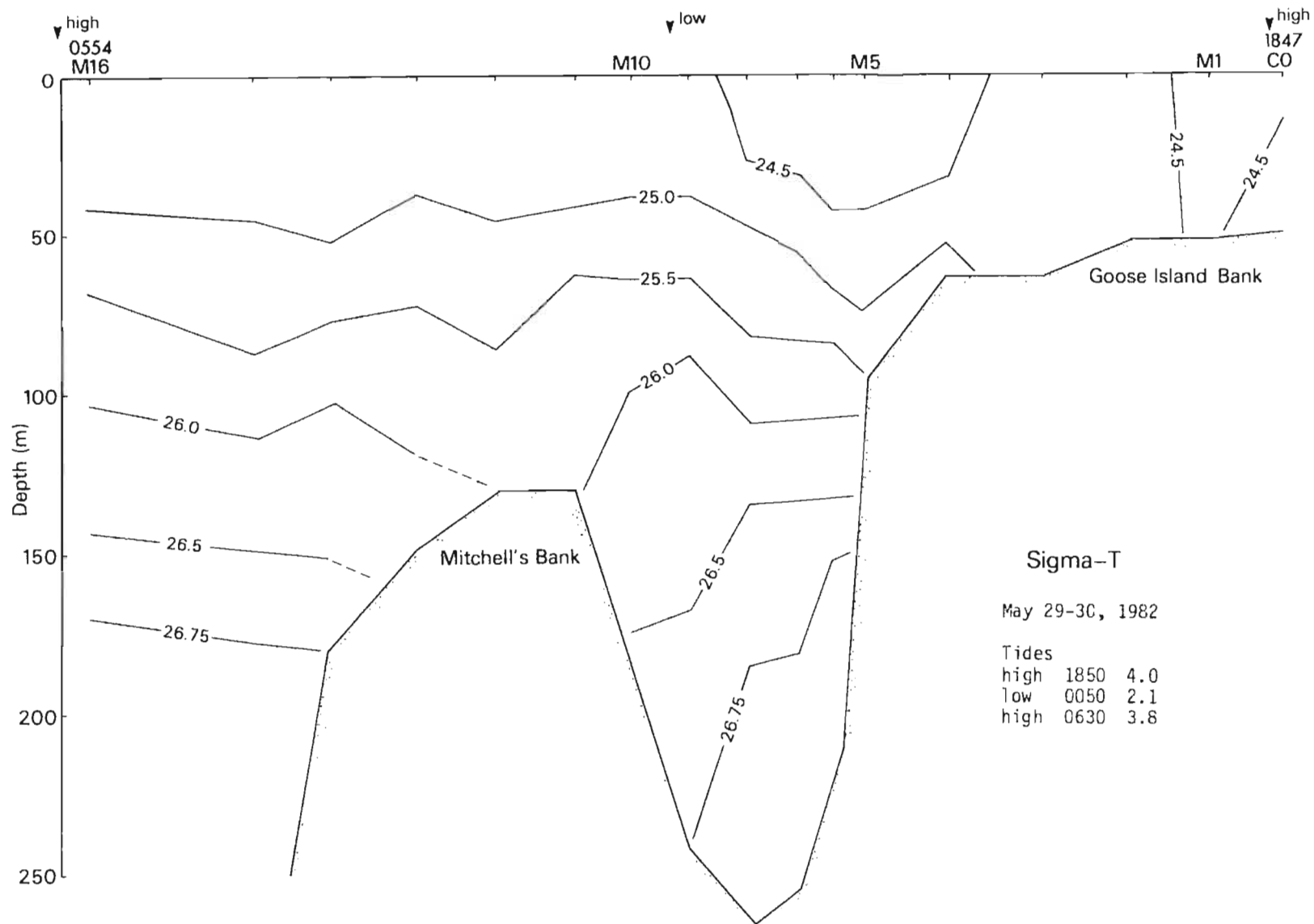


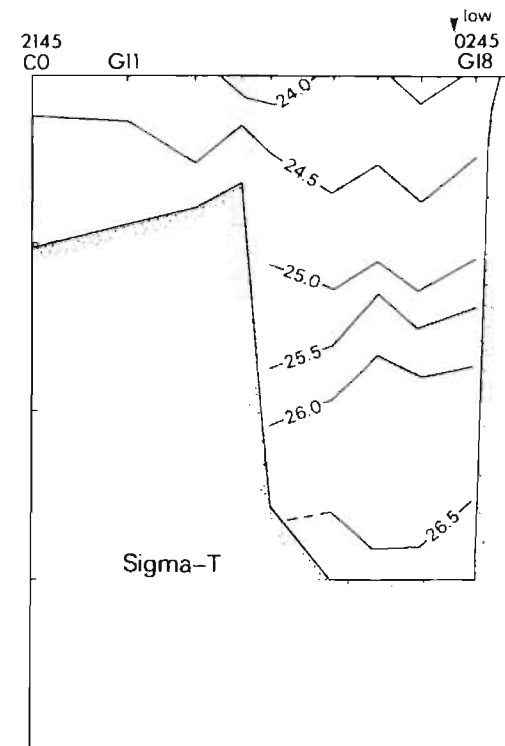
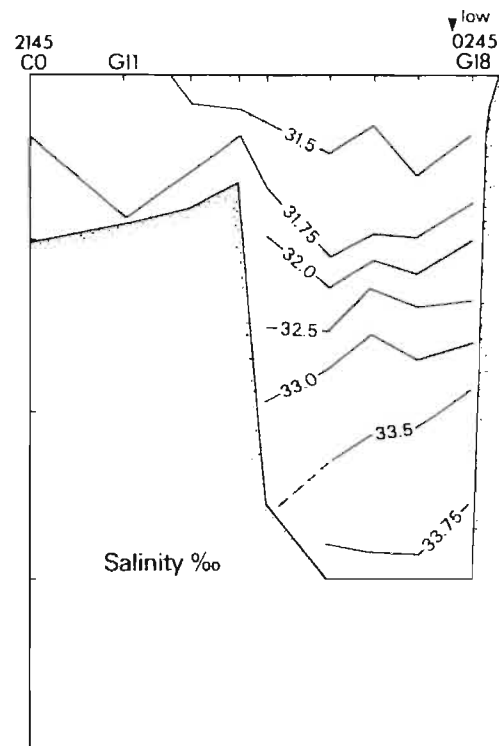
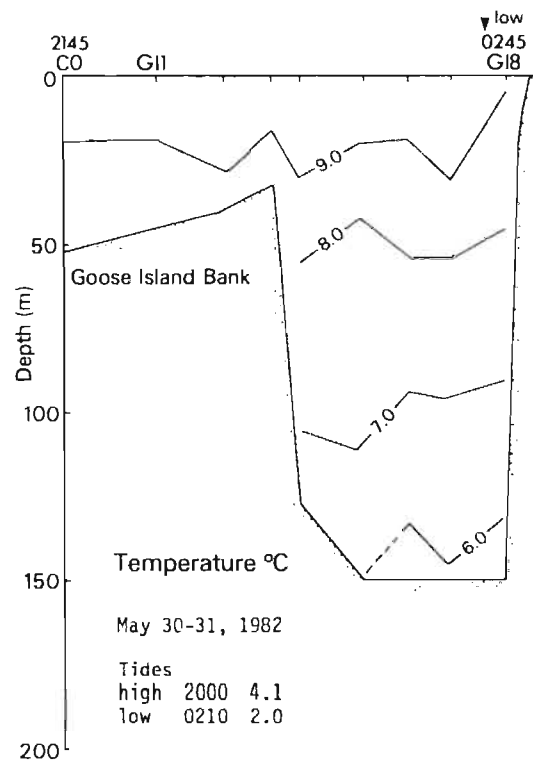


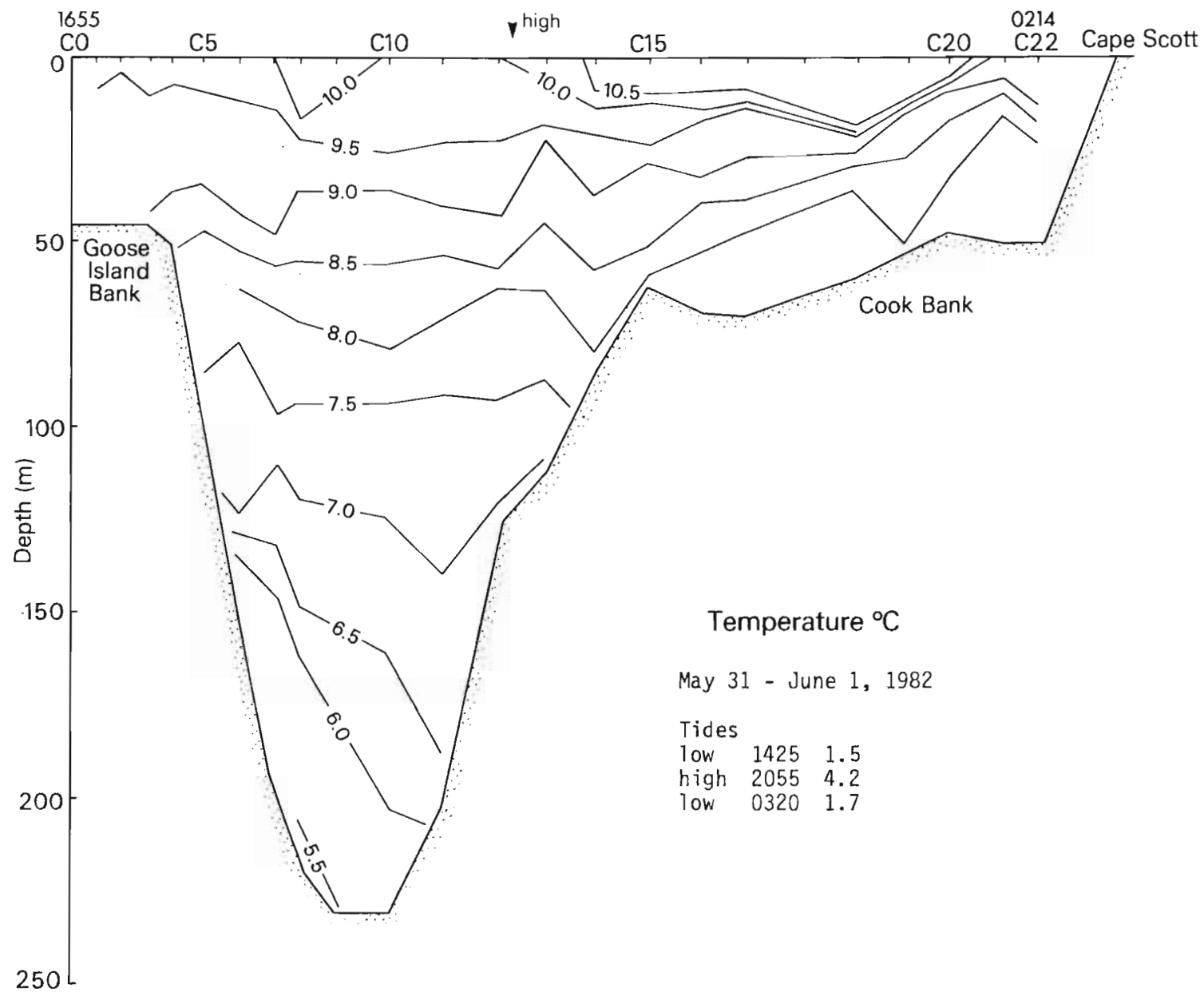


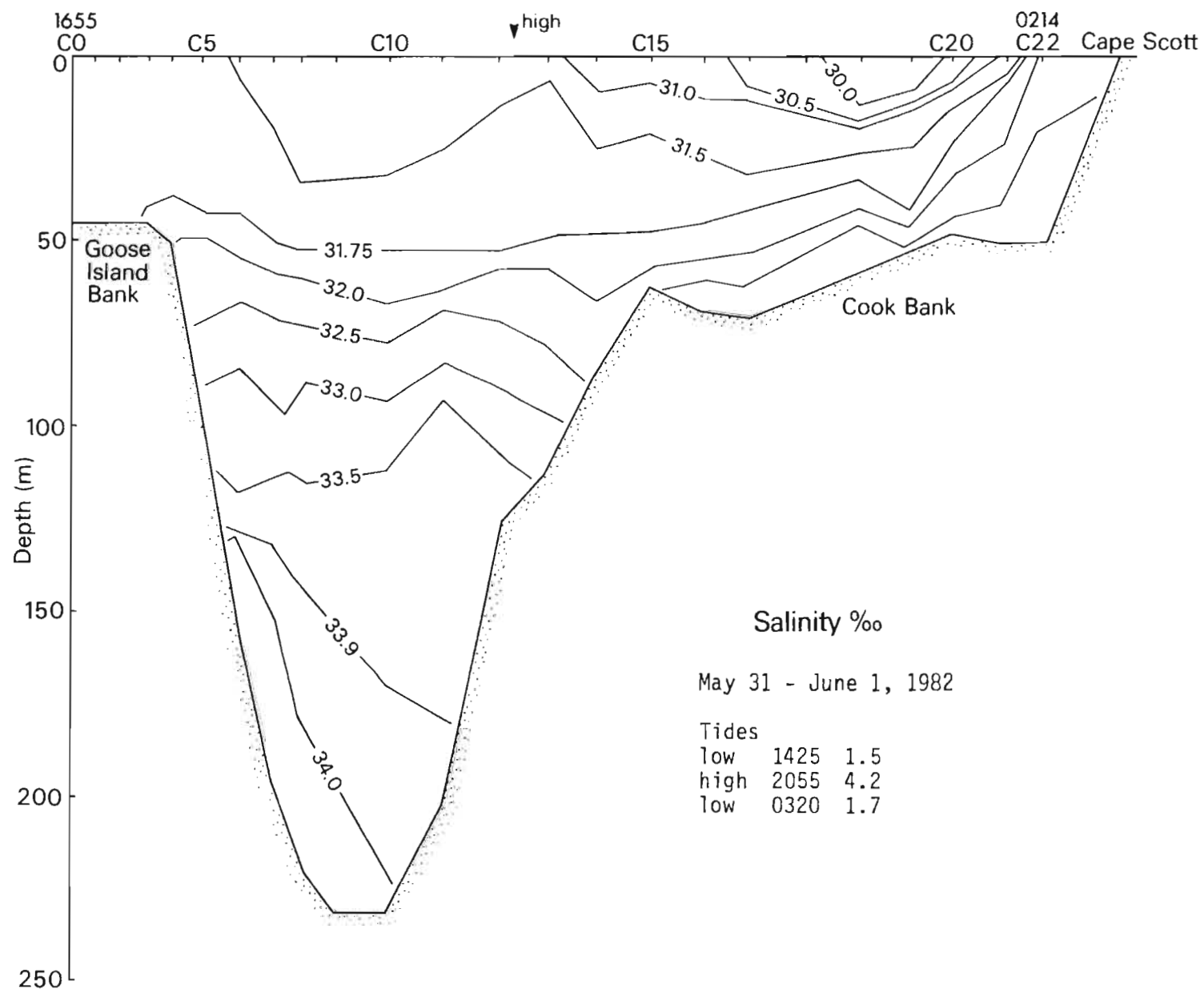


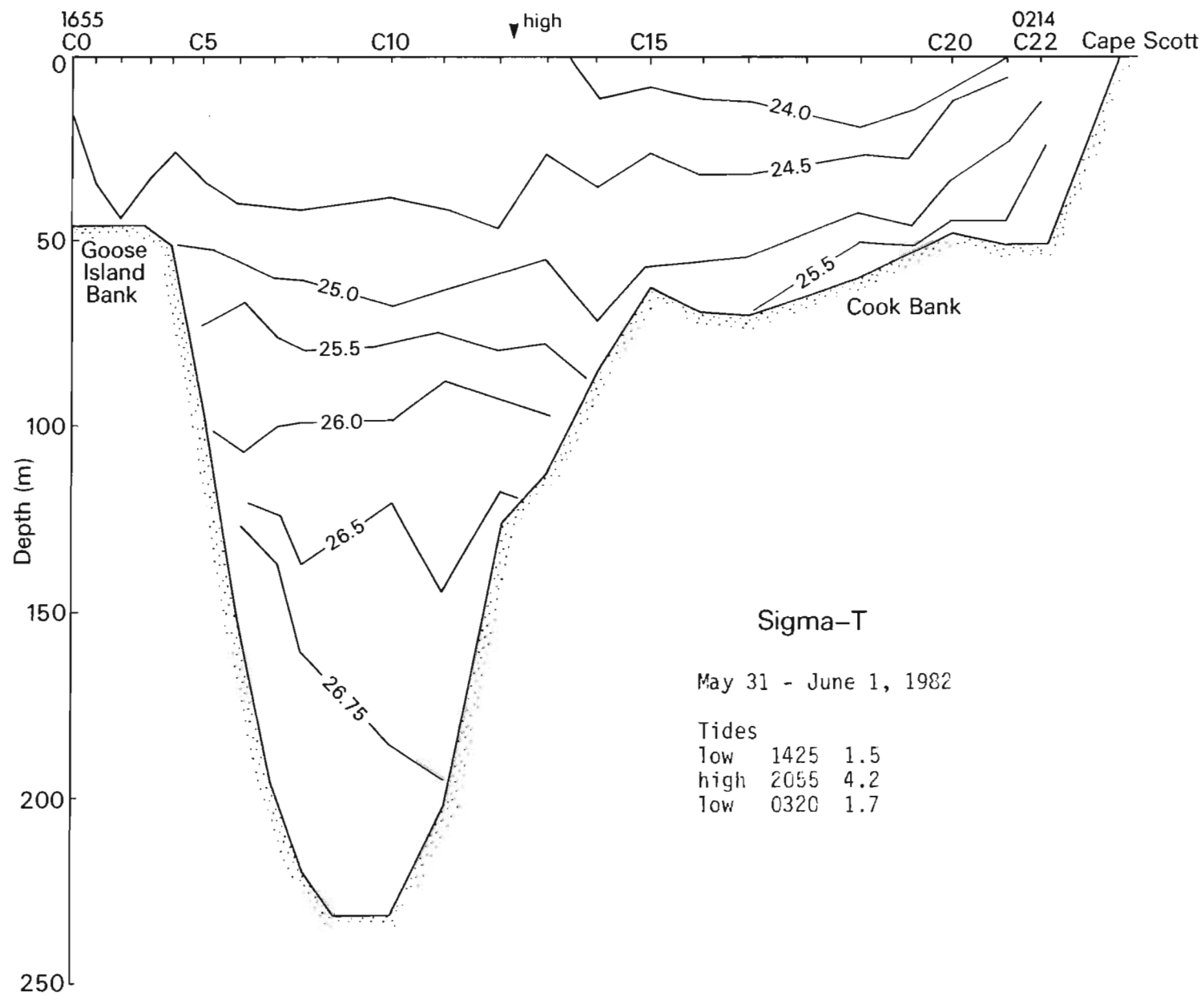












HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-003
 POSITION 52- 6.5N, 130-38.5W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 18/09/82

PST 11:24

STATION Q009

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.47	31.70	0	23.77	413.6	.00	.00	1498.
10	13.46	31.74	10	23.80	411.1	.41	.02	1499.
20	13.48	31.77	20	23.82	409.3	.82	.08	1499.
30	12.32	31.87	30	24.13	380.6	1.22	.18	1495.
50	11.82	31.90	50	24.24	369.7	1.96	.49	1494.
75	9.83	32.26	75	24.86	311.1	2.83	1.03	1487.
100	7.66	32.97	99	25.75	226.8	3.47	1.60	1481.
125	6.50	33.45	124	26.29	176.0	3.98	2.18	1477.
150	6.20	33.76	149	26.57	149.1	4.38	2.75	1477.
175	5.89	33.86	174	26.69	138.5	4.74	3.34	1476.
200	5.83	33.89	199	26.72	135.4	5.08	3.99	1476.

DEEPEST MEASUREMENT:

204	5.82	33.89	203	26.72	135.4	5.14	4.10	1476.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-006
 POSITION 51-57.3N, 130-55.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 18/09/82

PST 18:06

STATION M018

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.85	31.83	0	23.99	392.8	.00	.00	1496.
10	12.65	31.86	10	24.06	386.9	.39	.02	1496.
20	12.46	31.89	20	24.12	381.0	.78	.08	1495.
30	12.25	31.93	30	24.18	375.3	1.16	.18	1495.
50	11.18	32.16	50	24.56	339.6	1.88	.47	1492.
75	10.11	32.36	75	24.90	307.5	2.69	.98	1489.
100	8.87	32.66	99	25.33	267.1	3.43	1.64	1485.
125	7.01	33.33	124	26.13	191.4	4.00	2.28	1479.

DEEPEST MEASUREMENT:

124	7.01	33.35	123	26.14	190.1	3.98	2.26	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-007
 POSITION 51-57.3N, 130-50.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 18/09/82

PST 18:18

STATION M017

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.69	31.64	0	23.68	422.2	.00	.00	1499.
10	13.50	31.69	10	23.76	415.3	.42	.02	1499.
20	13.00	31.74	20	23.90	402.4	.83	.08	1497.
30	12.67	31.82	30	24.02	390.6	1.23	.19	1496.
50	11.81	32.02	50	24.34	360.7	1.98	.49	1494.
75	8.74	32.57	75	25.28	271.0	2.79	1.00	1484.
100	7.03	33.38	99	26.16	187.6	3.34	1.48	1479.
125	6.57	33.60	124	26.39	165.9	3.77	1.99	1478.
150	6.03	33.83	149	26.64	142.4	4.16	2.53	1476.
175	5.78	33.89	174	26.73	134.4	4.50	3.09	1476.

DEEPEST MEASUREMENT:

186	5.74	33.92	185	26.75	132.3	4.65	3.36	1476.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-008
 POSITION 51-57.3N, 130-35.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 18/09/82

PST 19:24

STATION M016

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.61	31.57	0	23.65	425.5	.00	.00	1499.
10	13.60	31.50	10	23.59	431.5	.43	.02	1499.
20	13.48	31.53	20	23.64	427.0	.86	.09	1498.
30	12.03	31.77	30	24.10	382.6	1.27	.19	1494.
50	9.04	32.43	50	25.12	285.9	1.93	.46	1484.
75	7.68	32.93	75	25.72	229.2	2.56	.86	1480.
100	6.97	33.36	99	26.16	187.9	3.09	1.32	1478.
125	6.47	33.64	124	26.44	161.5	3.52	1.82	1477.
150	6.22	33.82	149	26.61	145.2	3.91	2.37	1477.
175	6.04	33.88	174	26.69	138.5	4.27	2.96	1477.
200	5.98	33.86	199	26.68	139.7	4.62	3.62	1477.
225	5.76	33.93	223	26.76	132.5	4.95	4.35	1476.
250	5.68	33.96	248	26.79	129.6	5.28	5.15	1476.
300	5.46	33.97	298	26.83	126.3	5.93	6.96	1476.

DEEPEST MEASUREMENT:

321	5.33	33.96	319	26.83	126.3	6.20	7.80	1476.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-009
 POSITION 51-57.4N, 130-18.2W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 18/09/82

PST 20:00

STATION M015

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.64	31.62	0	23.68	422.4	.00	.00	1499.
10	13.64	31.55	10	23.62	428.5	.42	.02	1499.
20	13.64	31.53	20	23.61	430.0	.85	.09	1499.
30	13.55	31.52	30	23.62	429.0	1.28	.20	1499.
50	12.78	31.64	50	23.86	406.7	2.13	.54	1497.
75	10.06	32.08	75	24.69	327.5	3.04	1.12	1488.
100	8.37	32.55	99	25.32	267.4	3.78	1.77	1483.
125	6.95	33.33	124	26.14	190.3	4.34	2.41	1479.
150	6.52	33.64	149	26.43	162.6	4.79	3.03	1478.
175	6.32	33.78	174	26.57	149.7	5.17	3.67	1478.
200	6.08	33.84	199	26.65	142.4	5.54	4.38	1477.
225	5.86	33.92	224	26.74	134.4	5.88	5.12	1477.
250	5.79	33.93	248	26.76	133.0	6.22	5.93	1477.

DEEPEST MEASUREMENT:

284	5.65	33.95	282	26.79	130.3	6.67	7.15	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-010
 POSITION 51-57.3N, 130-10.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 18/09/82

PST 21:12

STATION M014

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.80	31.49	0	23.74	416.6	.00	.00	1496.
10	12.79	31.51	10	23.76	415.4	.42	.02	1496.
20	12.72	31.48	20	23.75	416.3	.83	.08	1496.
30	12.65	31.48	30	23.76	415.2	1.25	.19	1496.
50	10.95	31.87	50	24.37	357.5	2.00	.49	1491.
75	8.40	32.52	75	25.29	270.2	2.76	.98	1482.
100	7.40	33.02	99	25.83	219.2	3.37	1.51	1480.
125	6.84	33.44	124	26.23	181.0	3.88	2.10	1478.
150	6.29	33.71	149	26.52	154.0	4.29	2.68	1477.

DEEPEST MEASUREMENT:

163	6.16	33.77	162	26.59	148.1	4.49	2.99	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-011
 POSITION 51-57.3N, 130- 2.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 18/09/82
 PST 21:54

STATION M013

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.96	31.02	0	23.35	453.8	.00	.00	1496.
10	12.79	31.33	10	23.62	428.5	.45	.02	1496.
20	12.72	31.47	20	23.74	417.0	.87	.09	1496.
30	11.16	31.97	30	24.41	353.3	1.27	.19	1491.
50	8.35	32.57	50	25.34	265.2	1.87	.43	1482.
75	7.49	32.97	75	25.78	223.6	2.48	.82	1480.
100	6.83	33.36	99	26.17	186.7	3.00	1.27	1478.
125	6.53	33.55	124	26.36	168.9	3.42	1.76	1477.

DEEPEST MEASUREMENT:

132	6.53	33.57	131	26.38	167.6	3.54	1.92	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-015
 POSITION 51-44.4N, 128-20.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82
 PST 11:30

STATION G107

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	11.15	28.20	0	21.50	631.3	.00	.00	1486.
10	10.82	29.26	10	22.37	547.5	.61	.03	1486.
20	10.35	31.36	20	24.08	384.9	1.04	.09	1487.
30	10.50	31.74	30	24.35	359.4	1.41	.19	1489.
50	9.74	32.25	50	24.87	309.6	2.09	.47	1487.
75	7.93	32.72	75	25.52	248.0	2.78	.90	1481.
100	7.05	33.34	99	26.13	190.5	3.33	1.39	1479.
125	6.76	33.66	124	26.42	163.2	3.76	1.88	1478.

DEEPEST MEASUREMENT:

132	6.65	33.75	131	26.50	155.5	3.87	2.03	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-016
 POSITION 51-43.4N, 128-24.2W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82
 PST 12:12

STATION G106

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.70	25.37	0	19.05	866.4	.00	.00	1488.
10	12.57	31.69	10	23.94	397.8	.74	.03	1495.
20	12.30	31.88	20	24.14	378.9	1.12	.09	1495.
30	10.47	32.14	30	24.67	328.7	1.47	.18	1489.
50	9.32	32.52	50	25.15	283.0	2.09	.43	1486.
75	7.69	32.90	75	25.69	232.1	2.73	.84	1480.
100	7.03	33.37	99	26.15	188.3	3.25	1.30	1479.
125	6.85	33.60	124	26.36	168.9	3.70	1.81	1479.

DEEPEST MEASUREMENT:

139	6.69	33.73	138	26.49	157.3	3.93	2.11	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-017
 POSITION 51-42.4N, 128-28.2W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82
 PST 12:36

STATION G105

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.24	28.12	0	21.06	672.7	.00	.00	1493.
10	12.40	31.54	10	23.86	405.9	.55	.03	1495.
20	10.12	32.10	20	24.69	326.5	.92	.08	1487.
30	9.62	32.22	30	24.87	309.5	1.23	.16	1486.
50	8.72	32.50	50	25.23	275.8	1.81	.40	1483.
75	7.89	32.94	75	25.70	231.2	2.44	.79	1481.
100	7.50	33.24	99	25.99	204.3	2.97	1.27	1480.
125	6.84	33.62	124	26.38	167.5	3.45	1.81	1479.

DEEPEST MEASUREMENT:

135	6.69	33.72	134	26.48	158.2	3.61	2.02	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-018
 POSITION 51-41.0N, 128-34.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82
 PST 13:18

STATION G104

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.17	23.73	0	17.70	996.1	.00	.00	1488.
10	12.27	31.56	10	23.90	401.7	.60	.03	1494.
20	10.75	32.09	20	24.58	337.0	.96	.08	1490.
30	10.11	32.29	30	24.84	312.1	1.28	.16	1488.
50	8.85	32.43	50	25.16	282.4	1.87	.40	1484.
75	7.96	32.94	75	25.69	232.2	2.52	.81	1481.
100	7.12	33.27	99	26.07	196.8	3.05	1.29	1479.

DEEPEST MEASUREMENT:

117	6.80	33.50	116	26.29	175.9	3.37	1.64	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-019
 POSITION 51-40.3N, 128-36.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82

PST 14:00

STATION G103

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.96	27.31	0	20.49	727.8	.00	.00	1491.
10	12.08	31.92	10	24.21	372.4	.57	.03	1494.
20	10.29	32.17	20	24.72	323.6	.92	.08	1488.
30	9.51	32.51	30	25.12	286.1	1.23	.16	1486.

DEEPEST MEASUREMENT:

41	8.27	32.78	41	25.52	248.1	1.52	.26	1482.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.96	27.31	23.		10.11	32.26
1.		12.96	27.36	24.		9.98	32.28
2.		12.95	27.42	25.		9.95	32.32
3.		12.92	28.12	26.		9.88	32.37
4.		12.89	28.65	27.		9.87	32.38
5.		12.86	28.88	28.		9.84	32.41
6.		12.83	29.66	29.		9.74	32.45
7.		12.72	30.80	30.		9.51	32.51
8.		12.57	31.59	31.		9.33	32.58
9.		12.41	31.83	32.		9.07	32.66
10.		12.08	31.92	33.		8.77	32.70
11.		12.05	31.93	34.		8.62	32.73
12.		11.96	31.94	35.		8.58	32.72
13.		11.85	31.96	36.		8.56	32.75
15.		11.55	32.07	37.		8.55	32.73
16.		11.35	32.12	38.		8.52	32.71
18.		10.72	32.13	39.		8.47	32.72
19.		10.43	32.16	40.		8.27	32.75
20.		10.29	32.17	41.		8.27	32.78
21.		10.17	32.27				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-020
 POSITION 51-39.1N, 128-40.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82

PST 15:18

STATION G102

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.22	29.74	0	22.32	552.8	.00	.00	1495.
10	12.87	31.49	10	23.73	417.9	.48	.02	1496.
20	10.39	32.16	20	24.70	326.0	.87	.08	1489.
30	10.06	32.24	30	24.81	315.0	1.19	.16	1488.

DEEPEST MEASUREMENT:

31	10.06	32.24	31	24.81	314.9	1.22	.17	1488.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		13.22	29.74	16.		12.19	31.61
1.		13.22	29.96	17.		12.17	31.62
2.		13.19	30.18	18.		12.14	31.64
3.		13.17	30.51	19.		11.10	32.09
4.		13.15	30.82	20.		10.39	32.16
5.		13.17	30.87	21.		10.32	32.23
6.		13.17	30.97	22.		10.23	32.24
7.		13.15	31.07	23.		10.13	32.25
8.		13.10	31.20	24.		10.12	32.26
9.		13.03	31.37	25.		10.11	32.24
10.		12.87	31.49	26.		10.09	32.26
11.		12.76	31.52	27.		10.08	32.25
12.		12.67	31.52	28.		10.06	32.25
13.		12.57	31.54	29.		10.06	32.24
14.		12.47	31.56	30.		10.06	32.24
15.		12.34	31.59	31.		10.06	32.24

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-021
 POSITION 51-37.3N, 128-46.4W
 RESULTS OF STP CAST
 GUIDELINE WAS USED

DATE 19/09/82

PST 16:06

STATION G101

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
C	12.76	31.20	0	23.52	437.5	.00	.00	1495.
10	12.02	31.67	10	24.03	389.2	.43	.02	1494.
20	10.36	32.15	20	24.69	326.5	.79	.08	1488.
30	10.20	32.21	30	24.76	319.6	1.11	.16	1488.

DEEPEST MEASUREMENT:

31	10.20	32.21	31	24.76	319.7	1.14	.17	1488.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.76	31.20	17.		11.16	31.96
1.		12.76	31.20	18.		10.87	32.03
2.		12.78	31.18	19.		10.52	32.10
3.		12.78	31.18	20.		10.36	32.15
4.		12.74	31.24	21.		10.30	32.18
6.		12.65	31.34	22.		10.27	32.18
7.		12.61	31.40	23.		10.26	32.20
8.		12.59	31.42	24.		10.21	32.21
9.		12.16	31.59	25.		10.19	32.21
10.		12.02	31.67	26.		10.20	32.21
11.		12.00	31.68	27.		10.19	32.22
12.		11.95	31.71	28.		10.20	32.22
13.		11.92	31.72	29.		10.20	32.21
14.		11.68	31.79	30.		10.20	32.21
15.		11.64	31.83	31.		10.20	32.21
16.		11.33	31.92				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-022
 POSITION 51-35.3N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82
 PST 16:36

STATION C000

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.83	30.58	0	23.04	484.0	.00	.00	1495.
10	12.55	30.81	10	23.26	462.3	.48	.02	1494.
20	10.31	32.17	20	24.72	323.7	.86	.08	1488.
30	9.99	32.23	30	24.81	314.9	1.18	.16	1487.

DEEPEST MEASUREMENT:

33	9.98	32.19	33	24.79	317.5	1.28	.19	1487.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.83	30.58	18.		10.59	32.09
1.		12.83	30.58	19.		10.43	32.14
2.		12.83	30.58	20.		10.31	32.17
3.		12.83	30.57	21.		10.22	32.17
4.		12.83	30.58	22.		10.18	32.17
6.		12.80	30.59	23.		10.13	32.20
7.		12.79	30.60	24.		10.10	32.20
8.		12.79	30.58	25.		10.07	32.20
9.		12.67	30.70	26.		10.03	32.21
10.		12.55	30.81	28.		10.02	32.20
11.		12.29	31.07	29.		10.00	32.22
13.		12.11	31.35	30.		9.99	32.23
14.		11.99	31.52	31.		9.98	32.22
15.		11.89	31.57	32.		9.99	32.21
16.		10.71	31.81	33.		9.98	32.19
17.		10.66	32.05				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-023
 POSITION 51-34.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82

PST 17:06

STATION C001

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.91	30.47	0	22.94	493.5	.00	.00	1495.
10	12.80	30.61	10	23.07	481.3	.49	.02	1495.
20	11.16	31.86	20	24.33	360.8	.91	.09	1491.
30	10.21	32.15	30	24.72	323.9	1.24	.17	1488.

DEEPEST MEASUREMENT:

35	9.84	32.27	35	24.87	309.5	1.40	.22	1487.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.91	30.47	19.		11.47	31.78
1.		12.91	30.47	20.		11.16	31.86
2.		12.91	30.48	21.		10.66	32.03
3.		12.92	30.49	22.		10.47	32.08
4.		12.92	30.48	23.		10.40	32.12
5.		12.91	30.49	24.		10.32	32.11
6.		12.90	30.49	25.		10.27	32.12
7.		12.89	30.51	26.		10.24	32.15
9.		12.83	30.60	27.		10.23	32.15
11.		12.78	30.63	28.		10.22	32.15
12.		12.66	30.72	29.		10.20	32.15
13.		12.44	30.86	30.		10.21	32.15
14.		12.06	31.38	31.		10.19	32.15
15.		11.94	31.52	32.		10.18	32.17
16.		11.90	31.60	33.		10.10	32.20
17.		11.87	31.60	34.		9.95	32.25
18.		11.78	31.65	35.		9.84	32.27

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-024
 POSITION 51-32.4N, 128-54.4W
 RESULTS OF STP CAST
 GUIDELINE WAS USED

DATE 19/C9/82

PST 17:24

STATION C002

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.92	30.31	0	22.81	505.4	.00	.00	1495.
10	12.92	30.20	10	22.72	514.0	.51	.03	1495.
20	11.76	31.64	20	24.05	387.6	.97	.10	1493.
30	10.00	32.24	30	24.83	313.8	1.31	.18	1487.

DEEPEST MEASUREMENT:

36	9.59	32.33	36	24.96	300.9	1.50	.24	1486.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.92	30.31	18.		11.94	31.48
1.		12.92	30.31	19.		11.85	31.48
2.		12.92	30.30	20.		11.76	31.64
3.		12.92	30.21	21.		11.71	31.70
4.		12.93	30.19	23.		11.17	31.92
5.		12.94	30.20	24.		10.59	32.09
6.		12.92	30.22	25.		10.33	32.11
7.		12.92	30.20	26.		10.27	32.14
8.		12.94	30.18	27.		10.19	32.17
9.		12.93	30.20	28.		10.14	32.20
10.		12.92	30.20	29.		10.08	32.26
11.		12.91	30.22	30.		10.00	32.24
12.		12.89	30.25	31.		9.91	32.27
13.		12.83	30.30	32.		9.81	32.29
14.		12.76	30.35	33.		9.77	32.29
15.		12.61	30.55	34.		9.72	32.30
16.		12.17	30.96	35.		9.63	32.32
17.		11.96	31.32	36.		9.59	32.33

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-025
 POSITION 51-31.1N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82

PST 17:30

STATION C003

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.09	29.79	0	22.37	547.3	.00	.00	1495.
10	12.79	30.30	10	22.82	504.4	.53	.03	1494.
20	11.78	31.56	20	23.99	393.7	.96	.09	1493.
30	10.59	32.01	30	24.54	340.7	1.33	.18	1489.

DEEPEST MEASUREMENT:

35	9.71	32.28	35	24.90	306.4	1.49	.24	1486.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		13.09	29.79	17.		11.87	31.46
1.		13.09	29.82	18.		11.78	31.52
2.		13.05	29.85	19.		11.78	31.54
3.		13.05	29.85	20.		11.78	31.56
4.		13.06	29.87	21.		11.74	31.65
5.		13.03	29.88	22.		11.70	31.72
6.		13.01	29.88	23.		11.53	31.76
7.		12.98	29.95	24.		11.44	31.75
8.		12.94	30.02	26.		11.40	31.77
9.		12.88	30.20	27.		11.23	31.84
10.		12.79	30.30	28.		11.06	31.86
11.		12.45	30.63	30.		10.59	32.01
12.		12.30	30.97	31.		9.95	32.22
13.		12.21	31.20	32.		9.88	32.24
14.		12.04	31.36	33.		9.83	32.25
15.		12.00	31.39	34.		9.75	32.29
16.		11.92	31.43	35.		9.71	32.28

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-026
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82
 PST 17:48

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.59	30.23	0	22.81	505.9	.00	.00	1494.
10	11.92	31.59	10	23.99	393.6	.46	.02	1493.
20	11.75	31.74	20	24.13	379.6	.85	.08	1493.
30	10.88	31.95	30	24.45	349.6	1.22	.18	1490.

DEEPEST MEASUREMENT:

42	9.22	32.41	42	25.08	289.4	1.60	.31	1485.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.59	30.23	20.		11.75	31.74
1.		12.59	30.26	22.		11.75	31.76
2.		12.58	30.28	23.		11.70	31.77
3.		12.50	30.51	24.		11.67	31.76
4.		12.46	30.57	26.		11.42	31.80
5.		12.40	30.67	28.		11.05	31.88
6.		12.36	30.85	29.		10.95	31.93
7.		12.32	30.95	30.		10.88	31.95
8.		12.14	31.21	31.		10.86	31.98
9.		11.98	31.44	32.		10.77	32.00
10.		11.92	31.59	33.		10.65	32.00
11.		11.95	31.66	34.		10.54	32.04
12.		11.95	31.66	35.		10.41	32.04
13.		11.92	31.68	36.		10.37	32.06
14.		11.93	31.69	37.		10.32	32.09
15.		11.95	31.70	38.		10.30	32.13
16.		11.99	31.70	39.		10.08	32.18
17.		11.99	31.71	40.		9.74	32.34
18.		11.84	31.73	41.		9.39	32.43
19.		11.78	31.74	42.		9.22	32.41

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-027
 POSITION 51-28.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82
 PST 18:06

STATION C005

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.25	28.56	0	21.40	640.6	.00	.00	1494.
10	12.75	31.72	10	23.92	399.4	.51	.02	1496.
20	11.15	31.94	20	24.39	354.9	.88	.08	1491.
30	10.41	32.10	30	24.65	330.7	1.23	.17	1489.
50	9.01	32.42	50	25.12	285.6	1.83	.41	1484.
75	8.06	32.89	75	25.64	237.3	2.47	.82	1482.

DEEPEST MEASUREMENT:

90	7.74	33.06	89	25.82	220.5	2.81	1.10	1481.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-028
 POSITION 51-26.2N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82
 PST 18:24

STATION C006

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.20	29.17	0	21.88	594.8	.00	.00	1494.
10	12.69	31.90	10	24.08	384.7	.50	.02	1496.
20	11.29	31.94	20	24.37	357.2	.88	.08	1491.
30	10.07	32.24	30	24.81	315.2	1.21	.16	1488.
50	9.17	32.56	50	25.21	277.5	1.80	.40	1485.
75	8.07	32.77	75	25.54	246.6	2.46	.82	1482.
100	7.19	33.30	99	26.08	195.6	3.03	1.33	1479.
125	6.68	33.75	124	26.50	155.9	3.47	1.84	1478.

DEEPEST MEASUREMENT:

146	6.35	33.82	145	26.60	146.6	3.79	2.27	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-029
 POSITION 51-24.4N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82

PST 18:48

STATION C007

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.22	30.22	0	22.68	517.7	.00	.00	1496.
10	12.81	31.83	10	24.00	392.0	.46	.02	1496.
20	10.74	31.97	20	24.49	345.6	.83	.08	1490.
30	9.77	32.26	30	24.88	308.9	1.15	.16	1487.
50	9.21	32.48	50	25.14	284.1	1.74	.40	1485.
75	7.78	32.93	75	25.71	230.4	2.38	.80	1481.
100	7.23	33.21	99	26.00	203.1	2.92	1.28	1479.
125	6.78	33.62	124	26.39	166.6	3.38	1.81	1478.
150	6.59	33.82	149	26.56	150.2	3.77	2.35	1478.
175	6.22	33.88	174	26.66	141.0	4.13	2.95	1477.

DEEPEST MEASUREMENT:

185	6.22	33.87	184	26.66	141.8	4.27	3.21	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-030
 POSITION 51-23.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82

PST 19:06

STATION C008

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.26	31.86	0	23.93	398.2	.00	.00	1498.
10	12.47	31.82	10	24.06	386.6	.40	.02	1495.
20	10.29	32.04	20	24.62	333.6	.76	.08	1488.
30	9.61	32.30	30	24.93	303.6	1.07	.16	1486.
50	8.35	32.58	50	25.35	264.1	1.63	.38	1482.
75	7.55	33.05	75	25.83	218.5	2.24	.77	1480.
100	7.04	33.41	99	26.18	185.7	2.75	1.22	1479.
125	6.80	33.65	124	26.41	164.9	3.19	1.72	1479.
150	6.61	33.80	149	26.55	151.6	3.59	2.28	1478.
175	6.51	33.87	174	26.62	145.1	3.96	2.89	1478.
200	6.41	33.91	199	26.66	141.8	4.31	3.57	1479.

DEEPEST MEASUREMENT:

214	6.41	33.89	212	26.64	143.3	4.51	3.99	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-031
 POSITION 51-21.1N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82

PST 19:30

STATION C009

PRESSURES ARE INPUT

PPRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.86	31.73	0	23.92	400.0	.00	.00	1496.
10	11.65	31.75	10	24.16	376.8	.40	.02	1492.
20	10.17	32.10	20	24.68	327.1	.74	.07	1488.
30	9.61	32.24	30	24.89	308.0	1.06	.15	1486.
50	8.70	32.53	50	25.25	273.3	1.64	.39	1483.
75	7.67	32.99	75	25.77	224.8	2.26	.78	1480.
100	7.12	33.36	99	26.14	189.9	2.77	1.23	1479.
125	6.93	33.61	124	26.36	169.6	3.21	1.74	1479.
150	6.68	33.77	149	26.52	154.7	3.60	2.29	1479.
175	6.47	33.87	174	26.62	144.8	3.98	2.91	1478.
200	6.46	33.88	199	26.63	144.1	4.34	3.60	1479.
225	6.46	33.88	223	26.63	144.9	4.70	4.37	1479.

DEEPEST MEASUREMENT:

228	6.47	33.89	226	26.64	143.9	4.74	4.47	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-032
 POSITION 51-18.2N, 128-53.2W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82

PST 19:48

STATION C010

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.17	31.89	0	23.97	394.4	.00	.00	1498.
10	13.15	31.87	10	23.97	395.2	.39	.02	1498.
20	11.27	32.08	20	24.48	346.4	.76	.08	1492.
30	10.25	32.32	30	24.85	311.9	1.09	.16	1488.
50	9.12	32.61	50	25.25	273.6	1.67	.39	1485.
75	8.16	32.92	75	25.65	236.4	2.30	.79	1482.
100	7.21	33.33	99	26.10	193.9	2.85	1.28	1479.
125	6.93	33.53	124	26.30	175.2	3.32	1.82	1479.
150	6.95	33.74	149	26.46	160.1	3.73	2.40	1480.
175	6.46	33.88	174	26.63	144.0	4.12	3.03	1478.
200	6.45	33.89	199	26.64	143.6	4.48	3.72	1479.

DEEPEST MEASUREMENT:

218	6.45	33.88	216	26.64	144.2	4.74	4.27	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-033
 POSITION 51-15.2N, 128-52.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82
 PST 20:18

STATION C011

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.15	32.03	0	24.09	383.2	.00	.00	1498.
10	13.03	31.97	10	24.06	386.0	.39	.02	1497.
20	11.27	32.06	20	24.47	347.9	.75	.07	1492.
30	9.68	32.53	30	25.10	287.3	1.06	.15	1487.
50	8.89	32.68	50	25.34	265.1	1.62	.38	1484.
75	8.04	33.01	75	25.73	228.3	2.24	.78	1482.
100	7.17	33.46	99	26.21	183.4	2.76	1.23	1479.
125	6.97	33.57	124	26.32	173.2	3.20	1.74	1479.
150	6.83	33.76	149	26.49	157.6	3.62	2.32	1479.
175	6.61	33.81	174	26.56	151.2	4.00	2.95	1479.

DEEPEST MEASUREMENT:

190	6.59	33.81	189	26.56	150.9	4.22	3.37	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-034
 POSITION 51-12.5N, 128-50.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82
 PST 20:42

STATION C012

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.85	32.04	0	24.15	377.2	.00	.00	1497.
10	12.62	31.99	10	24.16	377.1	.38	.02	1496.
20	12.26	32.03	20	24.26	367.7	.75	.08	1495.
30	11.77	32.10	30	24.41	353.7	1.11	.17	1494.
50	10.19	32.34	50	24.87	310.4	1.76	.43	1488.
75	7.84	33.07	75	25.81	221.2	2.39	.83	1481.
100	7.19	33.44	99	26.19	185.2	2.90	1.28	1479.

DEEPEST MEASUREMENT:

117	6.58	33.81	116	26.56	149.6	3.19	1.59	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-035
 POSITION 51-10.0N, 128-49.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82

PST 21:06

STATION C013

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.25	31.87	0	24.14	378.9	.00	.00	1494.
10	12.22	31.88	10	24.16	377.3	.38	.02	1494.
20	11.69	32.06	20	24.39	355.0	.75	.08	1493.
30	10.51	32.27	30	24.76	319.8	1.08	.16	1489.
50	8.65	32.69	50	25.39	260.8	1.67	.40	1483.
75	7.54	33.23	75	25.98	204.8	2.25	.77	1480.
100	7.30	33.41	99	26.15	189.0	2.75	1.20	1480.

DEEPEST MEASUREMENT:

99	7.31	33.38	98	26.13	191.0	2.73	1.18	1480.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-036
 POSITION 51- 7.3N, 128-47.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82

PST 21:24

STATION C014

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.41	31.75	0	24.01	390.5	.00	.00	1495.
10	12.42	31.85	10	24.09	383.2	.39	.02	1495.
20	12.19	31.94	20	24.20	373.0	.77	.08	1495.
30	10.71	32.16	30	24.64	331.4	1.12	.17	1490.
50	9.47	32.43	50	25.06	292.1	1.74	.42	1486.
75	8.04	33.00	75	25.72	229.3	2.41	.84	1482.

DEEPEST MEASUREMENT:

76	8.02	33.00	76	25.73	228.7	2.43	.86	1482.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-037
 POSITION 51- 5.0N, 128-46.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82

PST 22:00

STATION C015

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.30	31.75	0	24.03	388.7	.00	.00	1494.
10	11.71	31.99	10	24.33	360.4	.38	.02	1493.
20	11.18	32.04	20	24.47	347.6	.73	.07	1491.
30	9.46	32.54	30	25.14	283.6	1.05	.15	1486.
50	8.59	32.73	50	25.43	256.5	1.59	.37	1483.

DEEPEST MEASUREMENT:

56	8.51	32.76	56	25.47	253.3	1.74	.45	1483.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-038
 POSITION 51- 2.3N, 128-44.5W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82

PST 22:30

STATION C016

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.08	31.89	0	24.19	374.2	.00	.00	1494.
10	12.08	31.93	10	24.22	371.1	.37	.02	1494.
20	11.41	32.08	20	24.46	348.6	.73	.07	1492.
30	9.98	32.36	30	24.92	304.5	1.06	.16	1487.
50	8.43	32.76	50	25.47	252.4	1.59	.37	1482.

DEEPEST MEASUREMENT:

67	8.36	32.78	67	25.50	249.7	2.02	.63	1483.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-039
 POSITION 50-59.4N, 128-43.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82

PST 22:54

STATION C017

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	11.82	31.85	0	24.21	372.3	.00	.00	1493.
10	11.36	32.07	10	24.46	348.5	.36	.02	1492.
20	9.75	32.30	20	24.91	305.2	.69	.07	1486.
30	9.20	32.45	30	25.11	286.4	.98	.14	1485.
50	9.09	32.54	50	25.20	278.1	1.55	.37	1485.

DEEPEST MEASUREMENT:

65	8.87	32.59	65	25.28	271.5	1.96	.61	1484.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-040
 POSITION 50-57.3N, 128-41.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82

PST 23:24

STATION C17A

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	11.76	31.85	0	24.21	371.7	.00	.00	1493.
10	11.28	31.95	10	24.38	356.2	.37	.02	1491.
20	9.84	32.17	20	24.79	316.8	.70	.07	1487.
30	9.19	32.35	30	25.04	293.7	1.01	.15	1484.
50	8.88	32.58	50	25.27	272.0	1.56	.37	1484.

DEEPEST MEASUREMENT:

70	8.77	32.63	70	25.32	267.4	2.10	.70	1484.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-041
 POSITION 50-55.0N, 128-37.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 19/09/82

PST 23:48

STATION C018

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.62	32.30	0	24.77	318.8	.00	.00	1489.
10	10.12	32.37	10	24.90	306.2	.31	.02	1488.
20	10.11	32.37	20	24.90	306.2	.62	.06	1488.
30	10.11	32.39	30	24.92	305.0	.92	.14	1488.
50	9.40	32.59	50	25.19	279.0	1.51	.38	1486.

DEEPEST MEASUREMENT:

54	9.33	32.60	54	25.21	277.2	1.62	.44	1486.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-042
 POSITION 50-53.1N, 128-34.5W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 20/09/82

PST 00:12

STATION C019

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.54	32.24	0	24.73	322.2	.00	.00	1489.
10	10.33	32.24	10	24.77	318.9	.32	.02	1488.
20	10.08	32.35	20	24.90	307.0	.64	.06	1488.
30	9.77	32.47	30	25.04	293.4	.94	.14	1487.
50	9.52	32.54	50	25.14	284.4	1.52	.38	1486.
75	9.40	32.59	75	25.19	279.8	2.22	.83	1486.

DEEPEST MEASUREMENT:

79	9.41	32.55	79	25.16	282.5	2.33	.91	1486.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-043
 POSITION 50-51.3N, 128-32.1W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 20/09/82

PST 00:42

STATION C020

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.28	32.38	0	24.89	307.2	.00	.00	1488.
10	10.16	32.41	10	24.93	303.4	.31	.02	1488.
20	9.99	32.45	20	24.99	298.2	.61	.06	1487.
30	9.67	32.56	30	25.13	284.8	.90	.14	1487.

DEEPEST MEASUREMENT:

35	9.64	32.55	35	25.12	285.5	1.04	.18	1486.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		10.28	32.38	18.		10.05	32.43
1.		10.28	32.38	19.		10.03	32.44
2.		10.28	32.38	20.		9.99	32.45
3.		10.28	32.38	21.		9.95	32.48
4.		10.28	32.38	23.		9.90	32.50
5.		10.28	32.38	24.		9.81	32.55
6.		10.26	32.40	26.		9.81	32.52
7.		10.22	32.41	27.		9.79	32.50
8.		10.16	32.41	28.		9.78	32.51
9.		10.16	32.40	29.		9.76	32.54
10.		10.16	32.41	30.		9.67	32.56
11.		10.16	32.40	31.		9.65	32.56
12.		10.15	32.39	32.		9.65	32.56
14.		10.13	32.41	33.		9.64	32.56
15.		10.13	32.41	34.		9.64	32.56
16.		10.10	32.42	35.		9.64	32.55
17.		10.08	32.42				

HYDROGRAPHIC SERVICE DIVISION

REFERENCE NO. 82-02-044

DATE 20/09/82

POSITION 50-49.0N, 128-29.0W

PST 01:00

STATION C021

RESULTS OF STP CAST

GUILDLINE WAS USED

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.25	31.81	0	24.10	382.8	.00	.00	1494.
10	11.25	32.17	10	24.55	339.4	.36	.02	1491.
20	10.81	32.25	20	24.70	325.9	.69	.07	1490.
30	9.77	32.59	30	25.15	283.4	1.00	.15	1487.
50	8.35	32.92	50	25.61	239.4	1.52	.36	1482.

DEEPEST MEASUREMENT:

55	8.24	32.92	55	25.63	237.5	1.64	.42	1482.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-045
 POSITION 50-48.0N, 128-27.2W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 20/09/82

PST 01:18

STATION C022

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.77	32.58	0	24.96	300.6	.00	.00	1490.
10	10.52	32.51	10	24.95	301.9	.30	.02	1489.
20	9.23	32.55	20	25.19	278.6	.59	.06	1485.
30	8.37	32.72	30	25.46	253.9	.85	.13	1482.
50	8.06	32.85	50	25.60	239.9	1.34	.33	1481.

DEEPEST MEASUREMENT:

48	8.06	32.80	48	25.57	243.5	1.30	.30	1481.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		10.77	32.58	24.		8.56	32.69
1.		10.77	32.58	25.		8.48	32.70
2.		10.77	32.58	26.		8.46	32.71
3.		10.77	32.58	27.		8.43	32.70
4.		10.77	32.58	28.		8.42	32.72
5.		10.77	32.58	29.		8.42	32.72
6.		10.77	32.58	30.		8.37	32.72
7.		10.72	32.56	31.		8.31	32.74
8.		10.68	32.54	32.		8.23	32.78
9.		10.60	32.53	33.		8.19	32.78
10.		10.52	32.51	34.		8.19	32.77
11.		10.07	32.50	35.		8.18	32.78
12.		9.83	32.49	36.		8.17	32.77
13.		9.78	32.51	38.		8.17	32.78
14.		9.72	32.48	39.		8.13	32.79
15.		9.57	32.48	40.		8.06	32.81
16.		9.47	32.50	41.		8.05	32.82
17.		9.43	32.52	42.		8.05	32.82
18.		9.42	32.52	44.		8.05	32.81
19.		9.39	32.54	45.		8.05	32.81
20.		9.23	32.55	46.		8.05	32.79
21.		8.93	32.56	47.		8.06	32.78
22.		8.73	32.65	48.		8.06	32.80
23.		8.66	32.69				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-046
 POSITION 51-11.2N, 129-30.2W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 20/09/82
 PST 10:18

STATION W001

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.43	31.82	0	24.07	385.3	.00	.00	1495.
10	12.10	31.92	10	24.20	372.7	.39	.02	1494.
20	11.08	32.20	20	24.61	334.5	.74	.07	1491.
30	10.54	32.32	30	24.80	316.5	1.06	.16	1489.
50	9.43	32.59	50	25.19	279.3	1.67	.40	1486.
75	8.17	32.93	75	25.65	235.9	2.31	.81	1482.
100	7.40	33.41	99	26.14	190.2	2.84	1.28	1480.
125	6.91	33.66	124	26.39	165.9	3.28	1.78	1479.
150	6.59	33.79	149	26.54	152.1	3.67	2.33	1478.
175	6.41	33.86	174	26.62	145.2	4.05	2.95	1478.
200	6.21	33.89	199	26.67	140.2	4.40	3.63	1478.
225	6.13	33.93	223	26.71	136.9	4.74	4.37	1478.
250	6.05	33.98	248	26.76	132.5	5.08	5.18	1478.

DEEPEST MEASUREMENT:

275	6.00	33.94	273	26.74	135.0	5.41	6.08	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-047
 POSITION 51-57.3N, 129-54.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 20/09/82
 PST 16:06

STATION M012

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.06	30.99	0	23.31	458.1	.00	.00	1496.
10	13.03	30.99	10	23.31	458.0	.46	.02	1496.
20	11.83	31.69	20	24.07	385.2	.89	.09	1493.
30	10.78	31.96	30	24.48	347.1	1.25	.18	1490.
50	9.25	32.40	50	25.07	291.3	1.92	.45	1485.
75	7.80	32.77	75	25.57	243.2	2.58	.87	1480.
100	6.70	33.44	99	26.26	178.5	3.10	1.33	1477.

DEEPEST MEASUREMENT:

120	6.67	33.45	119	26.27	177.7	3.46	1.73	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-048
 POSITION 51-57.3N, 129-46.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 20/09/82

PST 16:48

STATION M011

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.35	29.93	0	22.43	541.7	.00	.00	1496.
10	12.90	30.77	10	23.16	471.9	.52	.03	1495.
20	12.31	31.46	20	23.81	410.1	.97	.09	1494.
30	10.55	32.00	30	24.54	340.8	1.34	.19	1489.
50	9.05	32.38	50	25.09	289.1	1.97	.44	1484.
75	7.22	33.13	75	25.94	208.3	2.58	.83	1479.
100	6.98	33.27	99	26.08	195.2	3.08	1.27	1478.

DEEPEST MEASUREMENT:

121	6.97	33.29	120	26.10	193.9	3.49	1.73	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-049
 POSITION 51-55.3N, 129-42.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 20/09/82

PST 17:12

STATION M010

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.43	30.40	0	22.78	508.8	.00	.00	1497.
10	12.90	31.19	10	23.49	441.1	.48	.02	1496.
20	10.73	32.18	20	24.65	330.5	.87	.08	1490.
30	9.40	32.35	30	25.01	296.5	1.18	.16	1485.
50	8.23	32.67	50	25.44	255.8	1.73	.38	1482.
75	7.65	32.90	75	25.70	231.1	2.34	.77	1480.
100	7.08	33.19	99	26.00	202.7	2.87	1.24	1479.
125	6.85	33.34	124	26.16	188.5	3.35	1.80	1478.
150	6.67	33.47	149	26.28	176.8	3.80	2.43	1478.
175	6.41	33.62	174	26.43	163.1	4.23	3.13	1478.

DEEPEST MEASUREMENT:

184	6.27	33.66	183	26.48	158.1	4.37	3.39	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-050
 POSITION 51-53.0N, 129-38.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 20/09/82
 PST 17:36

STATION M009

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.41	30.53	0	22.88	498.9	.00	.00	1497.
10	13.07	31.55	10	23.73	417.5	.47	.02	1497.
20	11.50	32.00	20	24.38	356.4	.85	.08	1492.
30	10.20	32.18	30	24.74	321.6	1.19	.17	1488.
50	8.35	32.51	50	25.29	269.5	1.77	.40	1482.
75	7.39	33.00	75	25.81	220.4	2.37	.78	1479.
100	6.94	33.26	99	26.08	195.0	2.88	1.24	1478.
125	6.56	33.46	124	26.29	176.1	3.35	1.78	1477.
150	6.27	33.70	149	26.52	154.4	3.76	2.35	1477.
175	5.94	33.79	174	26.62	144.6	4.14	2.97	1476.
200	5.92	33.91	199	26.73	135.2	4.48	3.63	1477.
225	5.91	33.89	223	26.71	137.3	4.83	4.38	1477.

DEEPEST MEASUREMENT:

240	5.91	33.89	238	26.71	137.2	5.03	4.86	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-051
 POSITION 51-50.4N, 129-34.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 20/09/82
 PST 18:06

STATION M008

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.31	31.29	0	23.49	441.0	.00	.00	1497.
10	13.22	31.48	10	23.65	425.3	.44	.02	1497.
20	12.47	31.70	20	23.97	395.6	.85	.09	1495.
30	10.79	32.02	30	24.52	343.4	1.22	.18	1490.
50	8.53	32.48	50	25.24	274.2	1.83	.42	1482.
75	7.67	32.85	75	25.66	235.0	2.45	.82	1480.
100	6.55	33.45	99	26.28	176.0	2.93	1.25	1477.
125	6.10	33.74	124	26.57	149.5	3.33	1.70	1476.
150	5.98	33.87	149	26.69	138.2	3.69	2.21	1476.
175	5.98	33.87	174	26.69	138.4	4.03	2.77	1476.
200	5.90	33.92	199	26.73	134.7	4.37	3.42	1477.
225	5.90	33.91	223	26.73	135.6	4.71	4.15	1477.
250	5.90	33.91	248	26.73	135.8	5.05	4.98	1477.

DEEPEST MEASUREMENT:

259	5.90	33.94	257	26.75	133.4	5.17	5.29	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-052
 POSITION 51-48.0N, 129-32.1W
 RESULTS OF STP CAST
 GUIDELINE WAS USED

DATE 20/09/82

PST 18:42

STATION M007

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.86	31.70	0	23.89	402.2	.00	.00	1496.
10	12.84	31.70	10	23.90	402.1	.40	.02	1496.
20	12.54	31.73	20	23.98	394.7	.80	.08	1496.
30	10.29	32.13	30	24.69	326.6	1.17	.17	1488.
50	8.22	32.54	50	25.34	265.2	1.74	.41	1481.
75	7.22	33.11	75	25.92	209.8	2.33	.78	1479.
100	6.55	33.51	99	26.33	171.9	2.82	1.21	1477.
125	6.13	33.72	124	26.55	151.1	3.22	1.67	1476.
150	6.02	33.91	149	26.71	135.7	3.58	2.17	1476.
175	6.02	33.92	174	26.72	135.8	3.92	2.73	1477.
200	6.01	33.90	199	26.70	137.2	4.26	3.39	1477.
225	6.01	33.90	223	26.71	137.2	4.60	4.12	1477.

DEEPEST MEASUREMENT:

236	5.99	33.91	234	26.71	136.9	4.75	4.48	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-053
 POSITION 51-46.1N, 129-30.0W
 RESULTS OF STP CAST
 GUIDELINE WAS USED

DATE 20/09/82

PST 19:06

STATION M006

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.53	31.61	0	23.88	403.0	.00	.00	1495.
10	12.53	31.58	10	23.86	405.3	.40	.02	1495.
20	12.63	31.62	20	23.88	404.0	.81	.08	1496.
30	10.28	32.14	30	24.70	325.6	1.19	.18	1488.
50	8.93	32.49	50	25.19	279.4	1.79	.42	1484.
75	7.39	33.01	75	25.82	219.8	2.42	.82	1479.
100	6.61	33.50	99	26.31	173.4	2.90	1.25	1477.

DEEPEST MEASUREMENT:

120	6.38	33.66	119	26.47	158.8	3.23	1.62	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-055
 POSITION 51-44.3N, 129-28.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 20/09/82

PST 19:42

STATION M005

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.52	31.65	0	23.92	399.9	.00	.00	1495.
10	12.52	31.66	10	23.92	399.5	.40	.02	1495.
20	10.84	32.01	20	24.50	344.8	.78	.08	1490.
30	9.15	32.40	30	25.08	289.3	1.09	.16	1484.
50	7.53	33.08	50	25.86	216.0	1.60	.36	1479.

DEEPEST MEASUREMENT:

69	6.78	33.46	69	26.26	178.1	1.97	.59	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-056
 POSITION 51-40.1N, 129-23.1W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 20/09/82

PST 20:12

STATION M004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.09	31.61	0	23.78	413.1	.00	.00	1497.
10	13.12	31.64	10	23.79	411.9	.41	.02	1497.
20	12.19	31.79	20	24.09	384.2	.81	.08	1494.
30	10.27	32.23	30	24.77	319.3	1.17	.17	1488.
50	8.22	32.82	50	25.55	245.0	1.71	.39	1482.

DEEPEST MEASUREMENT:

50	8.22	32.82	50	25.55	245.0	1.71	.39	1482.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		13.09	31.61	25.		11.75	31.86
1.		13.09	31.61	26.		11.34	31.96
2.		13.12	31.60	27.		10.80	32.05
3.		13.11	31.61	28.		10.52	32.16
4.		13.11	31.63	29.		10.36	32.20
5.		13.10	31.61	31.		10.19	32.25
6.		13.11	31.63	32.		10.02	32.30
7.		13.11	31.62	34.		9.67	32.42
8.		13.11	31.61	35.		9.59	32.43
9.		13.11	31.62	36.		9.28	32.53
10.		13.12	31.64	37.		9.09	32.55
11.		13.11	31.65	38.		8.97	32.56
12.		13.11	31.63	39.		8.77	32.63
14.		13.09	31.65	40.		8.48	32.70
15.		12.89	31.66	41.		8.43	32.79
16.		12.24	31.78	42.		8.42	32.79
17.		12.23	31.79	43.		8.38	32.78
18.		12.22	31.80	44.		8.36	32.77
19.		12.22	31.78	45.		8.32	32.79
20.		12.19	31.79	46.		8.30	32.77
21.		12.12	31.81	47.		8.29	32.79
22.		11.96	31.83	49.		8.26	32.80
23.		11.94	31.84	50.		8.22	32.82

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-057
 POSITION 51-35.4N, 129-18.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 20/09/82

PST 20:48

STATION M003

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.61	31.43	0	23.73	417.4	.00	.00	1495.
10	12.47	31.71	10	23.98	394.5	.41	.02	1495.
20	10.83	32.15	20	24.62	333.6	.77	.08	1490.
30	9.47	32.43	30	25.06	291.5	1.07	.15	1486.
50	9.14	32.51	50	25.17	281.3	1.65	.39	1485.

DEEPEST MEASUREMENT:

49	9.15	32.50	49	25.16	282.2	1.62	.37	1485.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.61	31.43	23.		10.08	32.24
1.		12.61	31.52	24.		9.83	32.29
2.		12.57	31.54	25.		9.79	32.34
3.		12.61	31.55	27.		9.69	32.34
4.		12.61	31.60	29.		9.63	32.41
5.		12.61	31.61	30.		9.47	32.43
6.		12.62	31.61	31.		9.38	32.45
7.		12.62	31.63	32.		9.32	32.46
8.		12.61	31.63	34.		9.25	32.50
9.		12.60	31.64	35.		9.19	32.52
10.		12.47	31.71	37.		9.18	32.51
11.		12.15	31.83	39.		9.18	32.52
12.		12.02	31.84	41.		9.17	32.51
13.		11.78	31.94	42.		9.18	32.53
14.		11.45	31.96	43.		9.16	32.52
15.		11.31	31.98	44.		9.16	32.51
16.		11.25	31.97	45.		9.15	32.49
17.		11.19	32.00	46.		9.16	32.50
18.		11.14	32.04	47.		9.15	32.51
19.		11.00	32.09	48.		9.15	32.49
20.		10.83	32.15	49.		9.15	32.50

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-058
 POSITION 51-35.4N, 129-10.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 20/09/82
 PST 21:36

STATION M002

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.26	31.65	0	23.97	394.7	.00	.00	1494.
10	12.06	31.79	10	24.11	381.5	.39	.02	1494.
20	9.73	32.34	20	24.95	302.0	.72	.07	1486.
30	9.50	32.42	30	25.04	293.1	1.01	.14	1486.

DEEPEST MEASUREMENT:

40	9.43	32.42	40	25.06	292.0	1.31	.25	1486.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.26	31.65	20.		9.73	32.34
1.		12.26	31.65	21.		9.64	32.36
2.		12.26	31.72	23.		9.63	32.35
3.		12.25	31.78	24.		9.61	32.35
4.		12.26	31.77	25.		9.56	32.39
5.		12.25	31.74	26.		9.55	32.39
6.		12.25	31.75	27.		9.51	32.39
7.		12.25	31.74	28.		9.51	32.42
8.		12.25	31.75	29.		9.52	32.43
9.		12.22	31.75	30.		9.50	32.42
10.		12.06	31.79	31.		9.50	32.39
11.		11.78	31.85	33.		9.46	32.38
12.		11.13	32.01	34.		9.46	32.38
13.		10.81	32.08	35.		9.45	32.38
14.		10.48	32.14	36.		9.45	32.38
15.		10.09	32.24	37.		9.45	32.40
16.		10.06	32.25	38.		9.45	32.40
17.		10.00	32.27	39.		9.44	32.40
18.		9.92	32.28	40.		9.43	32.42
19.		9.84	32.28				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-060
 POSITION 51-35.3N, 129- 2.0W
 RESULTS OF STP CAST
 GUIDELINE WAS USED

DATE 20/09/82

PST 22:18

STATION M001

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.72	30.51	0	23.00	487.3	.00	.00	1494.
10	12.51	30.93	10	23.36	452.9	.48	.02	1494.
20	10.06	32.16	20	24.75	320.8	.86	.08	1487.
30	9.95	32.21	30	24.80	315.8	1.17	.16	1487.

DEEPEST MEASUREMENT:

39	9.78	32.33	39	24.93	303.7	1.45	.26	1487.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.72	30.51	20.		10.06	32.16
1.		12.72	30.51	21.		9.98	32.19
2.		12.72	30.51	22.		9.99	32.21
3.		12.72	30.49	23.		9.98	32.22
4.		12.72	30.50	24.		9.98	32.23
5.		12.73	30.55	25.		9.97	32.22
6.		12.69	30.60	26.		9.98	32.23
7.		12.59	30.74	28.		9.97	32.24
8.		12.53	30.86	29.		9.95	32.22
10.		12.51	30.93	30.		9.95	32.21
11.		12.47	30.99	32.		9.95	32.25
12.		12.41	31.12	33.		9.94	32.27
14.		11.99	31.48	34.		9.94	32.26
15.		10.94	31.83	36.		9.91	32.30
16.		10.75	31.93	37.		9.81	32.31
17.		10.22	32.08	39.		9.78	32.33
19.		10.09	32.13				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-061
 POSITION 51-35.3N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 20/09/82

PST 22:48

STATION 0000

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.54	30.21	0	22.80	506.1	.00	.00	1493.
10	12.41	31.21	10	23.60	430.5	.47	.02	1494.
20	12.24	31.36	20	23.75	416.3	.90	.09	1494.
30	10.06	32.20	30	24.78	317.9	1.28	.18	1488.

DEEPEST MEASUREMENT:

39	9.90	32.13	39	24.76	320.6	1.57	.28	1487.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.54	30.21	20.		12.24	31.36
1.		12.54	30.21	21.		12.21	31.39
2.		12.54	30.21	22.		12.17	31.43
3.		12.59	30.29	23.		12.15	31.45
4.		12.63	30.36	24.		12.10	31.48
5.		12.61	30.74	25.		11.82	31.58
6.		12.59	30.87	26.		11.58	31.64
7.		12.57	30.88	27.		11.14	31.82
8.		12.53	30.99	28.		10.28	32.15
9.		12.44	31.17	29.		10.15	32.18
10.		12.41	31.21	30.		10.06	32.20
11.		12.40	31.22	32.		10.05	32.22
12.		12.38	31.26	33.		9.94	32.23
13.		12.39	31.24	34.		9.92	32.22
14.		12.40	31.25	35.		9.92	32.22
15.		12.39	31.27	36.		9.91	32.24
17.		12.35	31.29	37.		9.92	32.24
18.		12.30	31.32	38.		9.91	32.23
19.		12.27	31.36	39.		9.90	32.13

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-062
 POSITION 51-34.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 20/09/82

PST 23:12

STATION C001

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.24	31.28	0	23.69	421.6	.00	.00	1494.
10	11.32	31.89	10	24.32	361.3	.40	.02	1491.
20	10.55	32.07	20	24.60	335.0	.74	.07	1489.
30	9.76	32.31	30	24.91	305.5	1.06	.15	1487.

DEEPEST MEASUREMENT:

37	9.61	32.34	37	24.97	300.5	1.28	.23	1486.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.24	31.28	19.		10.56	32.06
1.		12.24	31.28	20.		10.55	32.07
2.		12.24	31.28	21.		10.55	32.07
3.		12.24	31.28	22.		10.50	32.10
4.		12.22	31.31	23.		10.25	32.15
5.		12.11	31.41	24.		10.19	32.18
6.		11.98	31.61	25.		10.17	32.22
7.		11.74	31.70	26.		10.13	32.23
8.		11.55	31.78	27.		10.01	32.23
9.		11.37	31.85	28.		9.87	32.26
10.		11.32	31.89	29.		9.81	32.32
11.		11.27	31.92	30.		9.76	32.31
12.		11.11	31.93	31.		9.75	32.29
13.		10.95	31.99	32.		9.72	32.29
14.		10.87	31.99	33.		9.73	32.29
15.		10.76	32.02	34.		9.70	32.31
17.		10.65	32.07	36.		9.64	32.33
18.		10.59	32.07	37.		9.61	32.34

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-063
 POSITION 51-32.4N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 20/09/82
 PST 23:36 STATION C002

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.54	30.85	0	23.30	458.8	.00	.00	1494.
10	11.49	31.89	10	24.30	363.8	.43	.02	1492.
20	9.89	32.29	20	24.88	308.1	.76	.07	1487.
30	9.57	32.36	30	24.99	298.1	1.06	.15	1486.

DEEPEST MEASUREMENT:

39	9.48	32.38	39	25.01	296.0	1.33	.24	1486.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.54	30.85	19.		9.90	32.28
1.		12.54	30.85	20.		9.89	32.29
2.		12.54	30.85	21.		9.83	32.31
3.		12.57	30.83	22.		9.79	32.33
4.		12.60	30.85	23.		9.69	32.35
5.		12.58	30.88	24.		9.65	32.34
6.		12.56	31.06	25.		9.66	32.33
7.		12.35	31.40	26.		9.65	32.35
8.		12.07	31.64	27.		9.61	32.37
9.		11.79	31.74	29.		9.58	32.35
10.		11.49	31.89	30.		9.57	32.36
11.		11.00	32.05	33.		9.54	32.38
12.		10.71	32.10	34.		9.50	32.38
13.		10.58	32.09	35.		9.49	32.40
14.		10.55	32.12	36.		9.49	32.40
15.		10.41	32.15	37.		9.49	32.39
16.		10.23	32.22	38.		9.49	32.38
17.		9.97	32.28	39.		9.48	32.38
18.		9.93	32.27				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-064
 POSITION 51-31.1N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 20/09/82

PST 23:48

STATION C003

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.87	30.28	0	22.80	506.8	.00	.00	1495.
10	11.96	31.90	10	24.22	371.4	.47	.02	1494.
20	9.80	32.28	20	24.89	307.7	.81	.07	1486.
30	8.57	32.69	30	25.40	259.4	1.09	.14	1483.

DEEPEST MEASUREMENT:

38	8.44	32.74	38	25.46	253.9	1.29	.21	1482.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.87	30.28	21.		9.68	32.29
1.		12.87	30.24	22.		9.57	32.33
2.		12.87	30.19	23.		9.39	32.42
3.		12.87	30.16	24.		8.97	32.51
4.		12.87	30.12	25.		8.75	32.60
5.		12.88	30.13	26.		8.71	32.63
6.		12.83	30.35	27.		8.62	32.67
7.		12.78	31.43	28.		8.61	32.66
9.		12.15	31.73	29.		8.59	32.66
10.		11.96	31.90	30.		8.57	32.69
12.		11.55	32.03	31.		8.53	32.70
13.		11.28	32.05	32.		8.51	32.71
14.		11.02	32.07	33.		8.51	32.72
15.		10.64	32.09	34.		8.49	32.73
16.		10.42	32.09	35.		8.47	32.72
17.		10.18	32.15	37.		8.46	32.74
18.		9.89	32.21	38.		8.44	32.74
20.		9.80	32.28				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-065
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 00:00

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.81	29.87	0	22.49	536.0	.00	.00	1494.
10	11.20	32.01	10	24.44	350.3	.48	.02	1491.
20	9.40	32.39	20	25.04	293.5	.80	.07	1485.
30	7.96	32.86	30	25.63	237.5	1.06	.14	1480.

DEEPEST MEASUREMENT:

42	7.44	33.22	42	25.98	203.8	1.33	.23	1479.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.81	29.87	22.		8.99	32.53
1.		12.81	29.87	23.		8.82	32.58
2.		12.81	29.84	24.		8.78	32.60
3.		12.83	29.85	25.		8.76	32.59
4.		12.83	29.81	26.		8.76	32.65
5.		12.83	30.13	27.		8.58	32.71
6.		12.83	30.45	28.		8.40	32.76
7.		12.73	30.92	29.		8.14	32.77
8.		12.63	31.78	30.		7.96	32.86
9.		11.73	31.92	31.		7.86	32.89
10.		11.20	32.01	32.		7.80	32.95
11.		10.84	32.05	33.		7.79	32.95
12.		10.64	32.08	34.		7.80	32.94
13.		10.29	32.15	35.		7.80	32.95
14.		10.18	32.18	36.		7.74	32.98
15.		9.84	32.24	37.		7.69	33.05
16.		9.73	32.25	38.		7.54	33.17
17.		9.65	32.31	39.		7.49	33.17
18.		9.53	32.36	40.		7.44	33.17
19.		9.50	32.37	41.		7.46	33.19
20.		9.40	32.39	42.		7.44	33.22
21.		9.24	32.45				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-066
 POSITION 51-28.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 00:18

STATION C005

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.79	30.72	0	23.15	473.0	.00	.00	1495.
10	12.83	31.58	10	23.80	410.9	.46	.02	1496.
20	9.74	32.24	20	24.87	309.4	.81	.08	1486.
30	8.66	32.52	30	25.25	273.0	1.11	.15	1483.
50	7.40	33.14	50	25.92	209.6	1.59	.34	1479.
75	6.88	33.56	75	26.33	171.5	2.05	.64	1478.

DEEPEST MEASUREMENT:

91	6.56	33.75	90	26.52	153.8	2.31	.86	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-067
 POSITION 51-26.2N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 00:36

STATION C006

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.70	30.51	0	23.01	486.8	.00	.00	1494.
10	11.19	31.90	10	24.35	358.5	.43	.02	1491.
20	10.15	32.14	20	24.72	323.9	.78	.07	1488.
30	9.11	32.45	30	25.13	284.9	1.09	.15	1484.
50	7.29	33.23	50	26.01	201.6	1.56	.34	1479.
75	6.96	33.46	75	26.23	180.4	2.04	.64	1478.
100	6.74	33.68	99	26.44	161.2	2.46	1.02	1478.
125	6.58	33.83	124	26.58	148.5	2.85	1.47	1478.

DEEPEST MEASUREMENT:

146	6.29	33.86	145	26.64	142.6	3.16	1.89	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-068
 POSITION 51-24.4N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 00:54

STATION C007

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
C	12.72	31.01	0	23.39	450.3	.00	.00	1495.
10	12.83	31.82	10	23.99	393.0	.42	.02	1496.
20	10.20	32.25	20	24.80	316.4	.79	.08	1488.
30	9.66	32.31	30	24.94	303.1	1.09	.15	1486.
50	8.06	32.89	50	25.63	237.4	1.63	.37	1481.
75	6.98	33.49	75	26.26	178.2	2.13	.69	1478.
100	6.71	33.77	99	26.51	154.5	2.54	1.05	1478.
125	6.61	33.81	124	26.55	150.8	2.92	1.49	1478.
150	6.49	33.86	149	26.62	145.1	3.29	2.00	1478.
175	6.22	33.88	174	26.67	140.7	3.65	2.59	1477.

DEEPEST MEASUREMENT:

191	6.18	33.88	190	26.66	141.1	3.87	3.01	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-069
 POSITION 51-23.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 01:18

STATION C008

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
C	12.28	31.81	0	24.09	383.7	.00	.00	1494.
10	11.54	31.91	10	24.30	363.7	.38	.02	1492.
20	10.13	32.19	20	24.76	319.5	.71	.07	1488.
30	9.61	32.30	30	24.93	303.8	1.03	.15	1486.
50	8.46	32.75	50	25.46	253.5	1.59	.38	1483.
75	7.12	33.37	75	26.15	188.8	2.13	.72	1479.
100	6.82	33.74	99	26.47	158.2	2.56	1.10	1478.
125	6.59	33.80	124	26.56	150.6	2.95	1.54	1478.
150	6.45	33.89	149	26.64	142.5	3.31	2.06	1478.
175	6.44	33.91	174	26.66	141.3	3.67	2.65	1478.
200	6.40	33.89	199	26.65	142.6	4.03	3.33	1478.

DEEPEST MEASUREMENT:

206	6.40	33.94	205	26.69	139.2	4.11	3.50	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-070
 POSITION 51-21.1N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 01:42

STATION C009

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.02	31.78	0	24.11	381.1	.00	.00	1494.
10	11.89	31.78	10	24.14	379.0	.38	.02	1493.
20	10.19	32.16	20	24.73	322.6	.73	.07	1488.
30	9.65	32.29	30	24.92	304.6	1.05	.15	1486.
50	7.88	32.91	50	25.67	233.4	1.60	.37	1481.
75	6.97	33.46	75	26.23	180.3	2.11	.70	1478.
100	6.88	33.60	99	26.35	169.5	2.54	1.08	1478.
125	6.69	33.81	124	26.54	151.8	2.95	1.54	1478.
150	6.61	33.87	149	26.60	146.5	3.32	2.07	1478.
175	6.53	33.89	174	26.63	143.8	3.68	2.67	1479.
200	6.49	33.87	199	26.62	145.2	4.04	3.35	1479.

DEEPEST MEASUREMENT:

221	6.46	33.89	219	26.64	143.7	4.34	4.00	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-072
 POSITION 51-18.2N, 128-53.2W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 02:18

STATION C010

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.29	31.68	0	23.98	393.6	.00	.00	1494.
10	11.98	31.78	10	24.12	380.9	.39	.02	1494.
20	10.11	32.17	20	24.75	320.4	.73	.07	1488.
30	9.68	32.25	30	24.88	308.6	1.04	.15	1486.
50	8.45	32.66	50	25.39	260.2	1.61	.38	1482.
75	7.47	33.09	75	25.87	214.9	2.19	.75	1480.
100	7.22	33.34	99	26.10	193.1	2.69	1.20	1479.
125	6.88	33.66	124	26.40	165.5	3.14	1.70	1479.
150	6.74	33.79	149	26.52	154.3	3.53	2.26	1479.
175	6.70	33.82	174	26.56	151.3	3.91	2.88	1479.
200	6.65	33.86	199	26.59	148.1	4.29	3.60	1479.

DEEPEST MEASUREMENT:

204	6.59	33.87	203	26.61	146.4	4.35	3.72	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-073
 POSITION 51-15.2N, 128-52.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 02:48

STATION C011

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.79	31.87	0	24.04	388.5	.00	.00	1496.
10	11.33	31.89	10	24.32	361.4	.38	.02	1491.
20	9.90	32.21	20	24.82	314.5	.72	.07	1487.
30	9.33	32.42	30	25.07	290.7	1.02	.15	1485.
50	8.38	32.71	50	25.45	255.1	1.56	.37	1482.
75	7.71	33.15	75	25.89	213.5	2.14	.73	1481.
100	7.32	33.36	99	26.11	193.0	2.64	1.18	1480.
125	6.92	33.61	124	26.36	169.1	3.09	1.69	1479.
150	6.83	33.68	149	26.43	163.3	3.50	2.27	1479.
175	6.77	33.76	174	26.50	156.8	3.91	2.94	1479.

DEEPEST MEASUREMENT:

191	6.73	33.80	190	26.54	153.4	4.15	3.40	1480.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-074
 POSITION 51-12.5N, 128-50.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 03:18

STATION C012

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.39	31.66	0	23.95	396.9	.00	.00	1495.
10	11.19	31.93	10	24.38	356.1	.39	.02	1491.
20	10.14	32.20	20	24.77	319.2	.72	.07	1488.
30	9.47	32.35	30	25.00	297.5	1.03	.15	1486.
50	8.62	32.66	50	25.37	262.6	1.57	.37	1483.
75	7.88	33.06	75	25.79	222.6	2.18	.75	1481.
100	7.17	33.43	99	26.18	185.5	2.68	1.20	1479.
125	6.86	33.64	124	26.39	166.7	3.11	1.69	1479.

DEEPEST MEASUREMENT:

134	6.81	33.72	133	26.46	160.1	3.26	1.88	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-075
 POSITION 51-10.0N, 128-49.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 03:48

STATION C013

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.18	31.67	0	24.00	391.7	.00	.00	1494.
10	12.08	32.01	10	24.28	365.8	.38	.02	1494.
20	10.85	32.19	20	24.64	331.5	.73	.07	1490.
30	9.59	32.42	30	25.03	294.2	1.03	.15	1486.
50	8.88	32.62	50	25.30	269.2	1.60	.38	1484.
75	8.22	32.99	75	25.69	232.3	2.25	.79	1482.
100	7.81	33.10	99	25.83	218.8	2.80	1.29	1481.

DEEPEST MEASUREMENT:

103	7.79	33.11	102	25.84	217.9	2.87	1.35	1481.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-076
 POSITION 51- 7.3N, 128-47.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 04:06

STATION C014

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.14	31.73	0	24.05	386.7	.00	.00	1494.
10	12.15	31.70	10	24.03	389.7	.39	.02	1494.
20	11.12	32.17	20	24.58	337.4	.76	.08	1491.
30	10.29	32.19	30	24.74	322.5	1.09	.16	1488.
50	9.52	32.55	50	25.14	283.8	1.69	.40	1486.
75	8.48	32.85	75	25.54	246.6	2.37	.84	1483.

DEEPEST MEASUREMENT:

81	8.29	32.93	81	25.63	237.7	2.52	.95	1483.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-077
 POSITION 51- 5.0N, 128-46.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 04:30

STATION C015

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.41	31.81	0	24.06	386.2	.00	.00	1495.
10	12.41	31.77	10	24.03	389.4	.39	.02	1495.
20	11.69	31.82	20	24.20	372.8	.77	.08	1493.
30	10.79	32.02	30	24.52	343.1	1.13	.17	1490.
50	9.89	32.32	50	24.90	306.9	1.78	.43	1487.

DEEPEST MEASUREMENT:

52	9.64	32.40	52	25.01	296.8	1.84	.47	1487.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-078
 POSITION 51- 2.3N, 128-44.5W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 04:48

STATION C016

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.61	31.90	0	24.10	382.8	.00	.00	1496.
10	12.59	31.85	10	24.06	386.7	.39	.02	1496.
20	11.86	31.97	20	24.29	364.7	.76	.08	1493.
30	10.88	32.15	30	24.60	334.9	1.12	.17	1490.
50	9.39	32.53	50	25.14	283.8	1.74	.42	1486.

DEEPEST MEASUREMENT:

61	8.68	32.73	61	25.42	258.0	2.04	.59	1484.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-079
 POSITION 50-59.5N, 128-43.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 05:06

STATION C017

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.35	31.94	0	24.17	375.4	.00	.00	1495.
10	12.20	31.97	10	24.23	370.3	.37	.02	1495.
20	11.72	32.04	20	24.37	357.4	.74	.07	1493.
30	11.08	32.12	30	24.55	340.4	1.09	.16	1491.
50	9.69	32.46	50	25.05	293.1	1.73	.42	1487.

DEEPEST MEASUREMENT:

66	8.20	32.88	66	25.61	240.1	2.15	.67	1482.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-080
 POSITION 50-57.3N, 128-41.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 05:24

STATION C17A

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.33	31.89	0	24.14	378.5	.00	.00	1495.
10	12.27	31.92	10	24.18	375.3	.38	.02	1495.
20	11.96	31.97	20	24.27	366.4	.75	.08	1494.
30	11.16	32.12	30	24.53	342.2	1.10	.17	1491.
50	9.42	32.49	50	25.12	286.5	1.73	.42	1486.

DEEPEST MEASUREMENT:

71	8.88	32.63	71	25.30	268.9	2.31	.78	1484.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-081
 POSITION 50-55.1N, 128-37.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82
 PST 05:48

STATION C018

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	11.32	32.09	0	24.48	346.1	.00	.00	1491.
10	11.17	32.09	10	24.50	344.0	.35	.02	1491.
20	10.20	32.25	20	24.80	316.2	.68	.07	1488.
30	9.26	32.49	30	25.13	284.5	.97	.14	1485.
50	9.03	32.55	50	25.22	276.8	1.53	.37	1484.
75	9.03	32.46	75	25.15	283.5	2.23	.82	1485.

DEEPEST MEASUREMENT:

72	9.01	32.54	72	25.21	277.6	2.15	.75	1485.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-082
 POSITION 50-53.2N, 128-34.5W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82
 PST 06:06

STATION C019

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.50	32.34	0	24.82	313.9	.00	.00	1489.
10	10.05	32.45	10	24.98	298.8	.31	.02	1487.
20	9.96	32.49	20	25.03	294.4	.60	.06	1487.
30	9.84	32.51	30	25.06	291.8	.90	.14	1487.
50	9.68	32.51	50	25.08	289.8	1.48	.37	1487.

DEEPEST MEASUREMENT:

61	9.58	32.53	61	25.12	286.8	1.80	.55	1487.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-083
 POSITION 50-51.3N, 128-32.2W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 06:30

STATION C020

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.37	32.37	0	24.86	310.0	.00	.00	1488.
10	10.26	32.39	10	24.89	307.0	.31	.02	1488.
20	10.22	32.41	20	24.92	304.5	.61	.06	1488.
30	9.81	32.55	30	25.09	288.5	.92	.14	1487.

DEEPEST MEASUREMENT:

41	9.61	32.58	41	25.15	282.8	1.23	.25	1487.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		10.37	32.37	21.		10.23	32.42
1.		10.37	32.37	22.		10.20	32.42
2.		10.37	32.37	23.		10.20	32.42
4.		10.36	32.37	24.		10.20	32.41
5.		10.35	32.36	25.		10.19	32.42
6.		10.33	32.37	26.		10.16	32.41
7.		10.30	32.38	27.		10.16	32.42
8.		10.28	32.39	28.		10.11	32.46
9.		10.26	32.41	29.		9.86	32.50
10.		10.26	32.39	30.		9.81	32.55
11.		10.26	32.40	31.		9.78	32.54
12.		10.26	32.39	33.		9.76	32.56
13.		10.25	32.40	34.		9.70	32.57
14.		10.26	32.40	35.		9.72	32.56
15.		10.25	32.39	36.		9.69	32.55
16.		10.26	32.40	37.		9.67	32.58
17.		10.23	32.41	38.		9.65	32.57
18.		10.23	32.40	39.		9.61	32.57
19.		10.22	32.41	40.		9.61	32.58
20.		10.22	32.41	41.		9.61	32.58

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-084
 POSITION 50-49.2N, 128-29.2W
 RESULTS OF STP CAST
 GUIDLINE WAS USED

DATE 21/09/82
 PST 06:48 STATION C021
 PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	11.30	32.25	0	24.60	334.3	.00	.00	1492.
10	11.03	32.18	10	24.60	335.2	.34	.02	1491.
20	10.21	32.41	20	24.92	304.7	.66	.07	1488.
30	9.82	32.46	30	25.02	294.9	.96	.14	1487.
50	9.50	32.55	50	25.15	283.6	1.54	.38	1486.
75	9.00	32.70	75	25.35	265.0	2.22	.81	1485.

DEEPEST MEASUREMENT:

72	9.08	32.67	72	25.31	268.6	2.14	.75	1485.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-085
 POSITION 50-48.1N, 128-27.3W
 RESULTS OF STP CAST
 GUIDLINE WAS USED

DATE 21/09/82
 PST 07:06 STATION C022
 PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	11.16	32.12	0	24.53	341.0	.00	.00	1491.
10	10.89	32.18	10	24.62	332.8	.34	.02	1490.
20	10.07	32.40	20	24.94	302.7	.66	.07	1488.
30	9.81	32.47	30	25.03	294.4	.96	.14	1487.
50	8.91	32.68	50	25.34	264.8	1.50	.36	1484.

DEEPEST MEASUREMENT:

67	8.64	32.73	67	25.42	257.5	1.94	.63	1483.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-086
 POSITION 51-11.1N, 328-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 14:00

STATION C009

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.55	31.52	0	23.81	409.8	.00	.00	1495.
10	11.21	31.99	10	24.42	352.0	.39	.02	1491.
20	10.21	32.23	20	24.78	318.0	.73	.07	1488.
30	9.37	32.41	30	25.05	292.1	1.04	.15	1485.
50	7.95	32.87	50	25.63	237.2	1.58	.37	1481.
75	7.01	33.44	75	26.21	182.4	2.09	.69	1478.
100	6.79	33.67	99	26.42	162.9	2.53	1.08	1478.
125	6.68	33.79	124	26.53	152.7	2.92	1.52	1478.
150	6.63	33.87	149	26.60	146.7	3.29	2.04	1479.
175	6.51	33.87	174	26.62	145.2	3.65	2.64	1478.
200	6.47	33.91	199	26.65	142.5	4.01	3.33	1479.
225	6.47	33.90	223	26.65	143.2	4.37	4.10	1479.

DEEPEST MEASUREMENT:

229	6.47	33.91	227	26.66	142.3	4.42	4.24	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-087
 POSITION 51-23.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 14:24

STATION C008

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.57	31.53	0	23.82	409.4	.00	.00	1495.
10	11.29	31.96	10	24.38	355.9	.40	.02	1491.
20	10.48	32.11	20	24.64	331.3	.74	.07	1489.
30	10.12	32.23	30	24.79	317.0	1.07	.16	1488.
50	8.60	32.64	50	25.36	263.7	1.65	.39	1483.
75	7.52	33.18	75	25.94	208.8	2.23	.76	1480.
100	6.83	33.62	99	26.38	167.1	2.69	1.17	1478.
125	6.60	33.80	124	26.55	151.4	3.09	1.62	1478.
150	6.46	33.89	149	26.64	142.7	3.45	2.12	1478.
175	6.45	33.91	174	26.65	141.8	3.80	2.72	1478.
200	6.37	33.92	199	26.67	140.5	4.16	3.39	1478.

DEEPEST MEASUREMENT:

215	6.34	33.89	213	26.66	142.3	4.37	3.84	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-088
 POSITION 51-24.4N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82
 PST 14:42

STATION C007

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.50	31.53	0	23.83	408.3	.00	.00	1495.
10	12.43	31.54	10	23.85	406.4	.41	.02	1495.
20	10.56	32.07	20	24.60	335.5	.78	.08	1489.
30	9.81	32.28	30	24.88	308.2	1.10	.16	1487.
50	9.09	32.49	50	25.16	281.8	1.70	.40	1485.
75	7.31	33.24	75	26.02	201.1	2.29	.77	1479.
100	6.86	33.64	99	26.39	166.0	2.73	1.17	1478.
125	6.70	33.76	124	26.50	155.7	3.13	1.62	1478.
150	6.58	33.80	149	26.56	150.8	3.51	2.16	1478.
175	6.37	33.86	174	26.63	144.3	3.88	2.77	1478.

DEEPEST MEASUREMENT:

194	6.22	33.88	193	26.66	141.1	4.16	3.28	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-089
 POSITION 51-26.2N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82
 PST 15:00

STATION C006

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.50	31.58	0	23.87	404.8	.00	.00	1495.
10	11.08	31.96	10	24.42	351.6	.39	.02	1491.
20	10.02	32.23	20	24.81	314.9	.72	.07	1487.
30	9.88	32.29	30	24.88	308.8	1.03	.15	1487.
50	8.35	32.79	50	25.51	249.0	1.61	.38	1482.
75	7.21	33.29	75	26.07	196.1	2.15	.73	1479.
100	6.93	33.55	99	26.31	173.8	2.61	1.13	1478.
125	6.65	33.72	124	26.48	157.8	3.02	1.60	1478.
150	6.37	33.86	149	26.63	144.2	3.39	2.12	1477.

DEEPEST MEASUREMENT:

151	6.35	33.86	150	26.63	143.6	3.41	2.15	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-090
 POSITION 51-28.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 15:18

STATION C005

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.52	31.38	0	23.71	419.9	.00	.00	1495.
10	12.24	31.67	10	23.99	393.4	.41	.02	1494.
20	10.23	32.18	20	24.74	322.1	.78	.08	1488.
30	9.85	32.26	30	24.86	310.5	1.09	.16	1487.
50	8.28	32.67	50	25.43	256.8	1.66	.39	1482.
75	7.41	33.18	75	25.95	207.1	2.23	.75	1480.

DEEPEST MEASUREMENT:

94	6.90	33.57	93	26.33	171.8	2.59	1.06	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-091
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 15:36

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.97	30.04	0	22.59	526.8	.00	.00	1495.
10	12.47	31.46	10	23.78	413.1	.47	.02	1495.
20	11.71	31.80	20	24.19	374.5	.86	.08	1493.
30	9.99	32.18	30	24.78	318.3	1.20	.17	1487.

DEEPEST MEASUREMENT:

42	9.38	32.42	42	25.06	291.3	1.57	.30	1485.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.97	30.04	22.		11.21	31.94
1.		12.97	30.08	23.		11.14	31.98
2.		12.96	30.12	24.		10.91	32.06
4.		12.83	30.53	26.		10.58	32.10
5.		12.76	30.94	27.		10.44	32.14
6.		12.63	31.25	28.		10.21	32.18
7.		12.61	31.32	29.		10.06	32.18
9.		12.53	31.47	30.		9.99	32.18
10.		12.47	31.46	31.		9.98	32.18
11.		12.50	31.47	32.		9.97	32.16
12.		12.52	31.52	33.		9.94	32.16
13.		12.49	31.54	34.		9.92	32.22
14.		12.46	31.56	35.		9.86	32.24
15.		12.32	31.64	36.		9.75	32.26
16.		12.19	31.68	37.		9.64	32.34
17.		11.98	31.72	38.		9.53	32.37
18.		11.88	31.74	39.		9.47	32.39
19.		11.81	31.76	40.		9.43	32.41
20.		11.71	31.80	41.		9.39	32.44
21.		11.27	31.87	42.		9.38	32.42

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-092
 POSITION 51-31.1N, 128-54.4W
 RESULTS OF STP CAST
 GUIDELINE WAS USED

DATE 21/09/82
 PST 16:12 STATION 0003
 PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.91	30.07	0	22.62	523.5	.00	.00	1494.
10	12.53	31.93	10	24.13	379.9	.47	.02	1496.
20	11.40	32.11	20	24.48	346.7	.84	.08	1492.
30	9.70	32.30	30	24.92	304.9	1.16	.16	1486.

DEEPEST MEASUREMENT:

45	8.50	32.73	45	25.44	255.5	1.58	.32	1483.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.91	30.07	25.		10.19	32.20
1.		12.91	30.05	26.		10.04	32.32
2.		12.92	30.06	28.		9.83	32.28
3.		12.91	30.08	29.		9.78	32.29
5.		12.87	30.47	30.		9.70	32.30
6.		12.85	31.13	31.		9.69	32.31
7.		12.81	31.17	32.		9.68	32.40
8.		12.60	31.64	33.		9.24	32.49
10.		12.53	31.93	34.		9.19	32.50
11.		12.35	31.92	35.		9.10	32.52
12.		12.25	31.93	36.		9.03	32.55
14.		12.24	31.97	37.		8.93	32.57
15.		12.06	31.99	38.		8.88	32.57
17.		11.89	32.06	39.		8.80	32.57
19.		11.73	32.09	42.		8.64	32.63
20.		11.40	32.11	43.		8.55	32.72
21.		11.24	32.16	44.		8.53	32.72
23.		11.00	32.19	45.		8.50	32.73

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-093
 POSITION 51-32.4N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 16:30

STATION C002

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.94	30.38	0	22.86	501.0	.00	.00	1495.
10	12.56	31.64	10	23.90	401.3	.48	.02	1495.
20	10.77	32.10	20	24.59	336.3	.85	.08	1490.
30	9.55	32.39	30	25.01	296.1	1.16	.16	1486.

DEEPEST MEASUREMENT:

46	9.31	32.45	46	25.10	288.3	1.63	.34	1485.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.94	30.38	22.		10.32	32.16
1.		12.94	30.38	23.		10.07	32.20
2.		12.93	30.37	24.		10.05	32.23
3.		12.92	30.37	25.		9.84	32.27
4.		12.94	30.35	26.		9.74	32.35
5.		12.95	30.37	27.		9.72	32.36
6.		12.94	30.38	28.		9.64	32.36
7.		12.88	30.51	29.		9.60	32.37
8.		12.74	30.87	30.		9.55	32.39
9.		12.57	31.33	32.		9.48	32.41
10.		12.56	31.64	33.		9.43	32.42
11.		12.47	31.66	34.		9.38	32.42
12.		12.11	31.78	35.		9.35	32.42
13.		11.88	31.98	36.		9.35	32.43
14.		11.83	32.00	37.		9.34	32.43
15.		11.76	32.02	39.		9.32	32.44
16.		11.66	32.02	40.		9.31	32.43
17.		11.62	32.03	42.		9.31	32.45
18.		11.46	32.05	43.		9.31	32.44
19.		11.27	32.06	44.		9.31	32.44
20.		10.77	32.10	45.		9.31	32.44
21.		10.41	32.12	46.		9.31	32.45

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-094
 POSITION 51-34.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 16:48

STATION C001

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.62	30.93	0	23.35	454.2	.00	.00	1495.
10	12.23	31.34	10	23.74	417.4	.45	.02	1494.
20	10.86	32.10	20	24.57	338.3	.82	.08	1490.
30	9.74	32.29	30	24.91	306.2	1.13	.16	1486.

DEEPEST MEASUREMENT:

42	9.69	32.31	42	24.93	304.0	1.49	.29	1486.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.62	30.93	19.		11.11	32.08
1.		12.62	30.93	20.		10.86	32.10
2.		12.62	30.93	21.		10.21	32.22
4.		12.61	30.95	23.		9.93	32.30
5.		12.62	30.93	24.		9.83	32.34
6.		12.61	30.94	26.		9.79	32.33
7.		12.59	30.97	27.		9.75	32.33
8.		12.54	31.04	28.		9.74	32.31
9.		12.42	31.18	30.		9.74	32.29
10.		12.23	31.34	31.		9.73	32.31
11.		12.01	31.62	34.		9.72	32.31
12.		11.96	31.72	35.		9.71	32.31
13.		11.89	31.81	36.		9.68	32.30
14.		11.78	31.85	37.		9.69	32.30
15.		11.75	31.85	38.		9.69	32.32
16.		11.63	31.90	41.		9.68	32.32
17.		11.41	32.00	42.		9.69	32.31
18.		11.32	32.01				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-095
 POSITION 51-35.3N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 17:06

STATION C000

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.74	30.82	0	27.24	464.7	.00	.00	1495.
10	12.44	31.13	10	23.53	437.0	.45	.02	1494.
20	11.57	31.66	20	24.10	382.3	.86	.08	1492.
30	9.94	32.23	30	24.82	314.1	1.21	.17	1487.

DEEPEST MEASUREMENT:

42	9.74	32.27	42	24.89	308.3	1.58	.31	1487.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.74	30.82	20.		11.57	31.66
1.		12.74	30.84	21.		11.54	31.73
2.		12.74	30.85	22.		11.45	31.76
3.		12.74	30.86	23.		11.36	31.78
4.		12.73	30.87	25.		11.22	31.84
5.		12.71	30.89	26.		10.48	32.09
7.		12.63	30.92	27.		10.15	32.18
8.		12.44	31.10	28.		10.04	32.20
9.		12.44	31.11	29.		9.98	32.22
10.		12.44	31.13	30.		9.94	32.23
11.		12.42	31.19	32.		9.91	32.21
12.		12.25	31.26	34.		9.91	32.21
13.		12.11	31.35	36.		9.83	32.23
14.		12.08	31.37	37.		9.80	32.23
15.		12.07	31.42	38.		9.80	32.23
16.		12.02	31.45	39.		9.77	32.26
17.		11.87	31.54	40.		9.76	32.26
18.		11.74	31.62	41.		9.72	32.26
19.		11.67	31.64	42.		9.74	32.27

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-096
 POSITION 51-26.2N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 17:54

STATION C006

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.06	30.45	0	22.89	497.8	.00	.00	1495.
10	12.46	31.59	10	23.88	403.6	.47	.02	1495.
20	11.04	31.98	20	24.45	349.9	.84	.08	1491.
30	9.69	32.35	30	24.96	300.7	1.16	.16	1486.
50	8.87	32.56	50	25.26	273.2	1.74	.39	1484.
75	8.11	32.85	75	25.59	241.7	2.37	.80	1482.

DEEPEST MEASUREMENT:

87	7.59	33.01	86	25.80	222.1	2.65	1.03	1480.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-097
 POSITION 51-28.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 18:18

STATION C005

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.68	31.28	0	23.60	429.9	.00	.00	1495.
10	12.44	31.59	10	23.89	402.9	.42	.02	1495.
20	11.16	31.95	20	24.40	354.4	.79	.08	1491.
30	10.07	32.18	30	24.76	319.9	1.12	.16	1488.
50	9.70	32.29	50	24.91	306.0	1.75	.41	1487.
75	9.36	32.44	75	25.08	290.3	2.49	.89	1486.

DEEPEST MEASUREMENT:

74	9.37	32.42	74	25.07	291.7	2.46	.87	1486.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-098
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82
 PST 18:36

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.91	29.89	0	22.49	536.6	.00	.00	1494.
10	12.90	30.26	10	22.77	509.4	.54	.03	1495.
20	12.38	31.93	20	24.16	376.7	.97	.09	1495.
30	10.58	32.15	30	24.66	329.6	1.32	.18	1489.

DEEPEST MEASUREMENT:

44	8.64	32.67	44	25.38	261.6	1.74	.33	1483.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.91	29.89	22.		12.38	31.95
1.		12.91	29.87	23.		12.21	32.00
2.		12.91	29.85	25.		12.10	32.04
3.		12.91	29.83	26.		11.56	32.09
4.		12.91	29.82	27.		10.94	32.17
5.		12.91	29.84	28.		10.89	32.16
6.		12.91	29.86	29.		10.84	32.15
7.		12.91	29.89	30.		10.58	32.15
8.		12.92	29.91	31.		10.36	32.22
9.		12.90	30.08	33.		9.79	32.35
10.		12.90	30.26	34.		9.66	32.34
11.		12.91	30.36	35.		9.64	32.35
12.		12.89	30.67	36.		9.49	32.38
13.		12.84	30.94	37.		9.31	32.46
14.		12.78	31.09	39.		9.05	32.52
15.		12.64	31.50	40.		8.84	32.59
16.		12.63	31.60	41.		8.76	32.61
17.		12.64	31.75	42.		8.68	32.65
18.		12.56	31.84	43.		8.64	32.67
19.		12.47	31.88	44.		8.64	32.67
20.		12.38	31.93				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-099
 POSITION 51-31.1N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 18:48

STATION C003

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.82	30.45	0	22.94	493.6	.00	.00	1495.
10	12.63	31.14	10	23.50	439.6	.49	.02	1495.
20	11.13	32.07	20	24.50	344.7	.86	.08	1491.
30	9.97	32.27	30	24.85	311.1	1.19	.17	1487.

DEEPEST MEASUREMENT:

41	9.44	32.42	41	25.06	291.8	1.52	.28	1486.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.82	30.45	21.		11.09	32.09
1.		12.82	30.45	22.		11.08	32.09
2.		12.85	30.45	24.		11.03	32.09
3.		12.84	30.44	25.		10.99	32.09
4.		12.83	30.43	27.		10.96	32.17
5.		12.83	30.45	28.		10.12	32.21
7.		12.82	30.47	29.		10.02	32.27
8.		12.82	30.50	30.		9.97	32.27
9.		12.72	30.55	31.		9.95	32.27
10.		12.63	31.14	32.		9.92	32.28
11.		12.29	31.59	33.		9.85	32.29
12.		12.03	31.75	34.		9.65	32.34
13.		11.87	31.91	35.		9.60	32.36
14.		11.86	31.97	36.		9.58	32.36
15.		11.84	31.99	37.		9.54	32.36
17.		11.53	32.05	38.		9.48	32.38
18.		11.28	32.08	39.		9.50	32.37
19.		11.18	32.08	40.		9.49	32.39
20.		11.13	32.07	41.		9.44	32.42

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-100
 POSITION 51-32.4N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 19:06

STATION C002

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.57	30.97	0	23.39	450.3	.00	.00	1494.
10	12.40	31.17	10	23.57	433.0	.45	.02	1494.
20	11.91	31.67	20	24.05	387.6	.85	.08	1493.
30	9.93	32.27	30	24.86	310.6	1.21	.17	1487.

DEEPEST MEASUREMENT:

42	9.61	32.36	42	24.98	299.2	1.57	.31	1486.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.57	30.97	23.		11.41	31.81
1.		12.57	30.97	24.		11.36	31.81
2.		12.56	30.99	25.		11.23	31.89
4.		12.57	30.99	26.		11.02	31.97
6.		12.57	31.01	27.		10.72	32.11
7.		12.55	31.02	28.		10.13	32.25
8.		12.54	31.03	29.		10.03	32.26
9.		12.52	31.05	30.		9.93	32.27
10.		12.40	31.17	31.		9.87	32.28
11.		12.33	31.25	32.		9.83	32.28
12.		12.25	31.36	33.		9.78	32.30
13.		12.16	31.48	34.		9.76	32.29
14.		12.14	31.49	35.		9.73	32.31
15.		12.11	31.52	36.		9.70	32.32
16.		12.10	31.55	37.		9.67	32.33
17.		12.10	31.55	39.		9.65	32.35
18.		12.09	31.59	40.		9.64	32.33
20.		11.91	31.67	41.		9.61	32.35
21.		11.75	31.68	42.		9.61	32.36
22.		11.59	31.68				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-101
 POSITION 51-34.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82
 PST 19:18 STATION C001
 PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.70	30.85	0	23.26	462.3	.00	.00	1495.
10	12.19	31.37	10	23.76	414.6	.45	.02	1494.
20	11.49	31.74	20	24.18	375.6	.84	.08	1492.
30	9.81	32.29	30	24.89	307.8	1.17	.17	1487.

DEEPEST MEASUREMENT:

41	9.67	32.31	41	24.93	303.8	1.51	.29	1486.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.70	30.85	22.		11.17	31.90
1.		12.70	30.85	23.		10.48	32.13
2.		12.70	30.85	24.		10.11	32.19
3.		12.68	30.85	25.		10.01	32.24
5.		12.55	30.99	26.		9.93	32.23
6.		12.54	31.01	28.		9.88	32.25
7.		12.52	31.06	29.		9.83	32.27
8.		12.36	31.23	30.		9.81	32.29
9.		12.25	31.27	31.		9.78	32.30
10.		12.19	31.37	32.		9.77	32.27
11.		12.17	31.41	33.		9.75	32.28
12.		12.01	31.42	34.		9.72	32.30
13.		11.99	31.44	35.		9.73	32.29
14.		11.99	31.46	36.		9.72	32.30
15.		11.86	31.51	37.		9.72	32.30
16.		11.84	31.53	38.		9.69	32.33
17.		11.72	31.61	39.		9.65	32.32
19.		11.61	31.68	40.		9.67	32.29
20.		11.49	31.74	41.		9.67	32.31
21.		11.45	31.76				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-102
 POSITION 51-35.3N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 19:36

STATION 0000

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.34	31.12	0	23.54	435.5	.00	.00	1494.
10	12.13	31.36	10	23.77	414.3	.43	.02	1493.
20	10.26	32.09	20	24.66	329.0	.79	.08	1488.
30	10.19	32.16	30	24.73	322.9	1.12	.16	1488.

DEEPEST MEASUREMENT:

34	10.09	32.19	34	24.77	319.1	1.25	.20	1488.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.34	31.12	17.		10.41	32.08
1.		12.34	31.12	18.		10.29	32.10
2.		12.34	31.12	19.		10.26	32.10
3.		12.34	31.14	20.		10.26	32.09
4.		12.35	31.15	21.		10.26	32.11
5.		12.35	31.16	22.		10.25	32.13
7.		12.32	31.18	23.		10.22	32.11
8.		12.17	31.29	24.		10.23	32.13
9.		12.15	31.32	26.		10.23	32.13
10.		12.13	31.36	27.		10.22	32.13
12.		11.98	31.45	28.		10.23	32.14
13.		11.70	31.58	29.		10.23	32.15
14.		11.23	31.78	31.		10.15	32.17
15.		10.90	31.92	32.		10.14	32.17
16.		10.70	31.97	34.		10.09	32.19

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-103
 POSITION 51-26.2N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82
 PST 20:54

STATION C006

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.96	30.47	0	22.93	494.3	.00	.00	1495.
10	12.66	31.74	10	23.96	395.9	.46	.02	1496.
20	10.37	32.14	20	24.69	327.0	.82	.08	1488.
30	9.70	32.33	30	24.94	302.7	1.14	.16	1486.
50	8.76	32.61	50	25.31	267.7	1.70	.39	1484.
75	7.61	32.98	75	25.77	224.6	2.32	.77	1480.

DEEPEST MEASUREMENT:

73	7.63	32.99	73	25.78	224.0	2.27	.74	1480.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-107
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 22:18

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.75	30.38	0	22.90	497.2	.00	.00	1494.
10	12.08	31.62	10	23.98	394.5	.46	.02	1494.
20	10.05	32.26	20	24.83	313.1	.80	.07	1487.
30	9.41	32.43	30	25.07	290.5	1.10	.15	1485.

DEEPEST MEASUREMENT:

39	9.26	32.47	39	25.12	285.7	1.36	.24	1485.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.75	30.38	21.		9.92	32.26
3.		12.76	30.34	22.		9.87	32.26
4.		12.76	30.37	23.		9.82	32.31
5.		12.75	30.39	24.		9.76	32.33
6.		12.62	30.64	25.		9.68	32.35
7.		12.08	31.48	26.		9.59	32.38
8.		12.09	31.48	27.		9.56	32.40
9.		12.10	31.55	28.		9.45	32.43
10.		12.08	31.62	29.		9.43	32.42
11.		11.57	31.79	30.		9.41	32.43
12.		11.12	31.99	31.		9.39	32.45
13.		10.98	31.99	33.		9.31	32.45
14.		10.89	32.01	34.		9.28	32.45
15.		10.75	32.06	35.		9.28	32.45
17.		10.36	32.15	36.		9.26	32.47
18.		10.20	32.23	37.		9.26	32.46
19.		10.13	32.23	38.		9.25	32.49
20.		10.05	32.26	39.		9.26	32.47

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-108
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 22:48

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.80	29.86	0	22.49	536.5	.00	.00	1494.
10	11.49	31.86	10	24.27	366.0	.47	.02	1492.
20	9.85	32.22	20	24.84	312.7	.81	.07	1487.
30	9.16	32.44	30	25.11	286.4	1.10	.15	1484.

DEEPEST MEASUREMENT:

38	8.46	32.62	38	25.37	262.4	1.32	.22	1482.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.80	29.86	18.		10.01	32.20
1.		12.80	29.95	19.		9.95	32.21
2.		12.80	29.97	20.		9.85	32.22
3.		12.80	29.98	21.		9.76	32.30
4.		12.81	29.99	23.		9.63	32.29
5.		12.77	30.01	25.		9.53	32.32
6.		12.73	31.04	26.		9.48	32.34
7.		12.43	31.73	27.		9.45	32.39
8.		12.08	31.81	28.		9.37	32.42
9.		11.73	31.85	29.		9.28	32.43
11.		11.25	31.88	30.		9.16	32.44
12.		11.02	31.93	31.		9.11	32.48
13.		10.84	31.97	32.		8.95	32.51
14.		10.70	32.00	34.		8.75	32.59
15.		10.45	32.05	35.		8.60	32.62
16.		10.23	32.06	36.		8.49	32.62
17.		10.20	32.06	38.		8.46	32.62

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-110
 POSITION 51-32.4N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 23:12

STATION 002

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.77	30.58	0	23.04	483.4	.00	.00	1495.
10	10.72	32.09	10	24.58	336.7	.42	.02	1489.
20	10.33	32.16	20	24.71	324.7	.75	.07	1488.
30	10.02	32.24	30	24.82	314.8	1.07	.15	1487.

DEEPEST MEASUREMENT:

36	9.92	32.25	36	24.84	312.4	1.26	.21	1487.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.77	30.58	17.		10.51	32.11
1.		12.77	30.54	19.		10.42	32.13
2.		12.73	30.57	20.		10.33	32.16
3.		12.70	30.60	21.		10.23	32.19
4.		12.50	30.86	22.		10.17	32.21
5.		11.85	31.46	23.		10.17	32.20
6.		11.77	31.60	24.		10.17	32.20
7.		11.69	31.79	27.		10.12	32.21
8.		11.29	31.90	28.		10.03	32.22
9.		10.86	32.02	29.		10.03	32.23
10.		10.72	32.09	30.		10.02	32.24
11.		10.71	32.08	31.		10.02	32.24
12.		10.65	32.09	32.		10.00	32.27
13.		10.61	32.09	33.		9.99	32.26
14.		10.57	32.10	34.		9.98	32.26
15.		10.55	32.10	35.		9.93	32.26
16.		10.56	32.10	36.		9.92	32.25

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-111
 POSITION 51-34.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 23:24

STATION C001

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.65	30.72	0	23.18	470.5	.00	.00	1494.
10	11.37	31.75	10	24.21	372.4	.43	.02	1491.
20	11.19	31.86	20	24.32	361.4	.79	.08	1491.
30	10.09	32.21	30	24.78	317.9	1.14	.16	1488.

DEEPEST MEASUREMENT:

36	9.81	32.29	36	24.90	307.1	1.33	.23	1487.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.65	30.72	18.		11.19	31.86
1.		12.57	30.81	19.		11.19	31.88
2.		12.49	30.90	20.		11.19	31.86
3.		12.58	30.83	22.		11.19	31.86
4.		12.57	30.85	23.		11.11	31.91
5.		12.56	30.87	25.		11.00	31.96
6.		11.98	31.41	26.		10.64	32.03
7.		11.83	31.51	27.		10.46	32.08
8.		11.79	31.52	28.		10.40	32.12
9.		11.60	31.59	29.		10.26	32.17
10.		11.37	31.75	30.		10.09	32.21
11.		11.28	31.81	31.		9.96	32.24
12.		11.23	31.84	32.		9.88	32.23
13.		11.22	31.84	33.		9.85	32.26
14.		11.21	31.84	34.		9.81	32.30
15.		11.20	31.85	35.		9.81	32.30
16.		11.19	31.85	36.		9.81	32.29
17.		11.19	31.85				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-112
 POSITION 51-35.3N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 21/09/82

PST 23:42

STATION C000

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.55	30.90	0	23.33	455.6	.00	.00	1494.
10	12.50	31.00	10	23.42	447.8	.45	.02	1494.
20	11.26	31.84	20	24.30	364.0	.85	.08	1491.
30	9.92	32.26	30	24.86	311.0	1.19	.17	1487.

DEEPEST MEASUREMENT:

35	9.83	32.29	35	24.89	308.0	1.34	.22	1487.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.55	30.90	16.		11.87	31.57
1.		12.55	30.90	17.		11.61	31.69
2.		12.56	30.89	18.		11.28	31.82
3.		12.56	30.91	19.		11.27	31.83
4.		12.53	30.91	20.		11.26	31.84
5.		12.50	30.96	21.		11.18	31.88
6.		12.53	30.95	23.		10.89	31.95
7.		12.52	30.96	24.		10.28	32.04
8.		12.52	31.00	27.		10.08	32.21
9.		12.50	31.00	28.		10.03	32.26
10.		12.50	31.00	29.		10.01	32.25
11.		12.49	31.00	30.		9.92	32.26
12.		12.46	31.04	31.		9.91	32.27
13.		12.11	31.37	32.		9.90	32.26
14.		12.00	31.46	33.		9.85	32.26
15.		11.97	31.47	35.		9.83	32.29

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-115
 POSITION 51-26.2N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82
 PST 00:54

STATION C006

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.67	31.05	0	23.43	446.5	.00	.00	1495.
10	12.43	31.59	10	23.89	402.7	.42	.02	1495.
20	10.41	32.10	20	24.65	330.4	.77	.07	1489.
30	9.65	32.35	30	24.96	300.6	1.09	.15	1486.
50	7.51	33.13	50	25.90	212.0	1.60	.36	1479.
75	6.93	33.58	75	26.34	170.8	2.06	.65	1478.
100	6.70	33.73	99	26.48	157.0	2.47	1.02	1478.
125	6.48	33.84	124	26.60	146.8	2.85	1.45	1478.
150	6.31	33.93	149	26.69	138.0	3.20	1.95	1477.

DEEPEST MEASUREMENT:

147	6.31	33.87	146	26.65	142.2	3.16	1.88	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-116
 POSITION 51-28.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82
 PST 01:12

STATION C005

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.67	31.05	0	23.43	446.4	.00	.00	1495.
10	11.47	31.80	10	24.23	370.6	.43	.02	1492.
20	9.85	32.28	20	24.88	308.8	.75	.07	1487.
30	8.84	32.63	30	25.32	267.2	1.04	.14	1484.
50	7.23	33.26	50	26.04	198.4	1.48	.32	1478.
75	6.92	33.52	75	26.29	175.2	1.95	.62	1478.

DEEPEST MEASUREMENT:

85	6.74	33.65	84	26.42	163.3	2.12	.76	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-117
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82
 PST 01:30

STATION 0004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.78	31.48	0	23.74	417.1	.00	.00	1496.
10	11.05	32.01	10	24.46	347.9	.40	.02	1491.
20	9.63	32.36	20	24.98	299.1	.72	.07	1486.
30	8.49	32.82	30	25.51	248.5	1.00	.14	1482.

DEEPEST MEASUREMENT:

45	7.52	33.12	45	25.89	212.3	1.35	.27	1479.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.78	31.48	23.		9.32	32.45
1.		12.78	31.48	26.		9.15	32.56
2.		12.78	31.48	27.		8.86	32.62
3.		12.78	31.48	28.		8.68	32.72
4.		12.78	31.53	29.		8.54	32.79
5.		12.78	31.57	32.		8.37	32.87
7.		12.13	31.58	33.		7.91	32.90
9.		11.49	31.94	34.		7.75	32.93
10.		11.05	32.01	35.		7.76	32.95
11.		10.96	32.03	36.		7.75	32.97
12.		10.92	32.05	37.		7.63	33.00
13.		10.85	32.08	38.		7.61	33.02
14.		10.67	32.12	39.		7.60	33.05
15.		10.51	32.17	40.		7.59	33.07
16.		10.41	32.25	41.		7.57	33.10
17.		9.71	32.34	42.		7.57	33.10
18.		9.66	32.35	43.		7.57	33.09
19.		9.65	32.36	44.		7.57	33.11
20.		9.63	32.36	45.		7.52	33.12
22.		9.60	32.37				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-118
 POSITION 51-31.1N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82
 PST 01:48

STATION C003

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.78	29.99	0	22.59	526.7	.00	.00	1494.
10	12.25	31.90	10	24.16	376.7	.45	.02	1495.
20	10.23	32.18	20	24.74	322.2	.80	.07	1488.
30	8.97	32.49	30	25.18	279.6	1.10	.15	1484.

DEEPEST MEASUREMENT:

37	8.15	32.80	37	25.55	244.9	1.29	.21	1481.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.78	29.99	19.		10.25	32.15
1.		12.78	30.07	20.		10.23	32.18
2.		12.77	30.15	21.		10.07	32.21
3.		12.78	30.15	22.		9.98	32.22
4.		12.73	30.49	23.		9.76	32.23
6.		12.65	31.51	24.		9.61	32.30
7.		12.55	31.66	25.		9.54	32.33
8.		12.52	31.72	27.		9.20	32.45
9.		12.26	31.85	28.		9.10	32.48
10.		12.25	31.90	29.		9.02	32.48
11.		12.23	31.93	30.		8.97	32.49
12.		12.20	31.95	31.		8.92	32.51
13.		11.79	31.98	32.		8.87	32.52
14.		11.66	32.00	33.		8.65	32.58
15.		11.59	32.00	34.		8.39	32.66
16.		11.36	32.06	35.		8.19	32.76
17.		10.80	32.07	36.		8.14	32.78
18.		10.39	32.08	37.		8.15	32.80

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-119
 POSITION 51-32.4N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82

PST 02:06

STATION C002

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.72	30.33	0	22.87	500.3	.00	.00	1494.
10	12.78	31.64	10	23.86	405.4	.48	.02	1496.
20	10.13	32.22	20	24.78	317.5	.85	.08	1488.
30	9.05	32.52	30	25.19	278.8	1.14	.15	1484.

DEEPEST MEASUREMENT:

40	8.97	32.54	40	25.22	276.3	1.42	.25	1484.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.72	30.33	19.		10.77	32.16
1.		12.72	30.33	20.		10.13	32.22
2.		12.72	30.34	21.		9.90	32.24
3.		12.72	30.34	22.		9.69	32.29
4.		12.72	30.35	23.		9.61	32.32
5.		12.73	30.36	24.		9.51	32.32
6.		12.73	30.40	26.		9.42	32.32
7.		12.74	30.45	27.		9.26	32.41
8.		12.79	30.83	28.		9.12	32.48
9.		12.81	31.25	29.		9.06	32.52
10.		12.78	31.64	30.		9.05	32.52
11.		12.70	31.85	32.		9.03	32.51
12.		12.63	31.89	34.		9.03	32.51
13.		12.48	31.96	35.		9.04	32.51
14.		12.25	31.97	36.		9.02	32.51
15.		12.12	32.01	37.		9.03	32.51
16.		11.86	32.04	38.		9.01	32.50
17.		11.65	32.09	40.		8.97	32.54
18.		11.30	32.10				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-120
 POSITION 51-34.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82
 PST 02:18

STATION C001

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.67	30.56	0	23.05	482.8	.00	.00	1494.
10	12.37	31.91	10	24.15	378.3	.44	.02	1495.
20	11.23	32.12	20	24.52	343.0	.80	.08	1491.
30	9.75	32.34	30	24.94	302.7	1.12	.16	1487.

DEEPEST MEASUREMENT:

40	9.68	32.35	40	24.96	301.2	1.42	.27	1486.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.67	30.56	21.		10.85	32.18
1.		12.67	30.57	23.		10.75	32.15
2.		12.65	30.55	25.		10.64	32.18
4.		12.67	30.87	26.		10.48	32.29
6.		12.61	31.20	27.		10.12	32.35
7.		12.56	31.40	28.		9.83	32.35
8.		12.36	31.88	29.		9.75	32.34
9.		12.41	31.85	30.		9.75	32.34
10.		12.37	31.91	31.		9.74	32.32
11.		12.33	31.96	32.		9.72	32.31
12.		12.30	31.96	33.		9.73	32.33
13.		12.12	32.00	34.		9.71	32.34
14.		12.05	31.98	35.		9.71	32.35
15.		11.94	32.00	36.		9.70	32.34
16.		11.78	32.02	37.		9.68	32.32
17.		11.67	32.05	38.		9.69	32.30
20.		11.23	32.12	40.		9.68	32.35

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-121
 POSITION 51-35.3N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82
 PST 02:36

STATION C000

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.57	30.88	0	23.32	457.2	.00	.00	1494.
10	12.29	31.79	10	24.07	385.3	.44	.02	1495.
20	10.97	32.02	20	24.49	345.5	.81	.08	1490.
30	9.87	32.30	30	24.89	307.3	1.14	.16	1487.

DEEPEST MEASUREMENT:

39	9.81	32.29	39	24.89	307.7	1.41	.26	1487.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.57	30.88	20.		10.97	32.02
1.		12.57	30.88	21.		10.93	32.03
2.		12.57	30.88	22.		10.85	32.04
4.		12.57	30.88	23.		10.79	32.05
5.		12.58	30.88	24.		10.77	32.04
6.		12.58	30.90	26.		10.70	32.09
7.		12.54	30.92	27.		10.21	32.23
8.		12.40	31.28	28.		10.08	32.26
9.		12.32	31.57	29.		9.89	32.28
10.		12.29	31.79	30.		9.87	32.30
11.		12.27	31.83	31.		9.85	32.30
12.		12.19	31.88	32.		9.84	32.29
13.		12.07	31.94	33.		9.81	32.29
14.		11.92	31.97	34.		9.81	32.30
15.		11.74	32.00	35.		9.81	32.31
16.		11.56	32.03	36.		9.81	32.29
17.		11.33	32.01	37.		9.82	32.26
18.		11.14	32.02	39.		9.81	32.29
19.		10.98	32.02				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-123
 POSITION 51-26.2N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82
 PST 03:36

STATION C006

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.34	31.67	0	23.97	395.1	.00	.00	1494.
10	12.19	31.72	10	24.03	389.1	.39	.02	1494.
20	10.50	32.15	20	24.67	328.7	.74	.07	1489.
30	9.87	32.33	30	24.91	305.4	1.06	.15	1487.
50	8.24	32.79	50	25.53	247.0	1.62	.38	1482.
75	7.19	33.29	75	26.07	195.9	2.16	.72	1479.
100	6.84	33.60	99	26.36	169.1	2.62	1.13	1478.
125	6.68	33.71	124	26.47	158.8	3.03	1.60	1478.

DEEPEST MEASUREMENT:

145	6.43	33.83	144	26.60	146.9	3.33	2.02	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-124
 POSITION 51-28.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82
 PST 04:00

STATION C005

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.56	31.27	0	23.62	428.7	.00	.00	1495.
10	12.19	31.66	10	23.99	393.4	.41	.02	1494.
20	11.29	31.90	20	24.34	360.0	.80	.08	1491.
30	10.36	32.11	30	24.66	329.2	1.14	.17	1488.
50	9.53	32.36	50	25.00	298.0	1.76	.42	1486.
75	7.56	33.05	75	25.83	219.0	2.40	.82	1480.

DEEPEST MEASUREMENT:

85	7.17	33.32	85	26.09	193.9	2.60	.99	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-125
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUIDELINE WAS USED

DATE 22/09/82

PST 04:24

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.73	30.32	0	22.86	501.2	.00	.00	1494.
10	12.72	31.83	10	24.02	390.0	.47	.02	1496.
20	10.44	32.12	20	24.65	330.1	.82	.08	1489.
30	10.12	32.21	30	24.78	317.8	1.15	.16	1488.

DEEPEST MEASUREMENT:

39	9.54	32.37	39	25.00	297.5	1.42	.26	1486.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.73	30.32	19.		10.59	32.11
1.		12.73	30.32	20.		10.44	32.12
2.		12.73	30.29	21.		10.38	32.13
4.		12.73	30.27	23.		10.27	32.21
5.		12.79	30.52	24.		10.23	32.19
6.		12.81	30.78	25.		10.20	32.20
7.		12.87	31.37	26.		10.15	32.21
8.		12.87	31.61	27.		10.14	32.20
9.		12.87	31.79	28.		10.14	32.20
10.		12.72	31.83	29.		10.13	32.21
11.		12.39	31.86	30.		10.12	32.21
12.		12.09	31.85	31.		10.09	32.20
13.		11.88	31.86	32.		10.06	32.21
14.		11.74	31.87	33.		10.04	32.22
15.		11.50	31.92	34.		10.00	32.25
16.		11.19	31.96	36.		9.78	32.29
17.		10.89	32.02	38.		9.57	32.36
18.		10.86	32.06	39.		9.54	32.37

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-126
 POSITION 51-31.1N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82

PST 04:42

STATION C003

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.73	30.38	0	22.90	497.4	.00	.00	1494.
10	12.76	30.89	10	23.29	460.2	.49	.02	1495.
20	10.34	32.16	20	24.70	325.3	.87	.08	1488.
30	9.60	32.34	30	24.96	300.6	1.18	.16	1486.

DEEPEST MEASUREMENT:

39	8.58	32.64	39	25.36	262.8	1.44	.25	1483.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.73	30.38	22.		10.23	32.18
1.		12.73	30.38	23.		10.14	32.20
2.		12.74	30.37	24.		10.04	32.23
5.		12.75	30.36	25.		9.82	32.26
6.		12.74	30.36	26.		9.76	32.27
7.		12.76	30.37	27.		9.72	32.27
9.		12.76	30.66	28.		9.66	32.28
10.		12.76	30.89	29.		9.62	32.31
11.		12.75	31.01	30.		9.60	32.34
12.		12.63	31.57	31.		9.53	32.36
13.		12.48	31.80	32.		9.44	32.42
14.		12.20	31.83	33.		9.25	32.49
15.		11.81	31.90	34.		9.14	32.48
16.		11.61	31.95	35.		9.08	32.52
17.		11.28	31.98	36.		8.96	32.55
18.		10.94	32.08	37.		8.77	32.64
19.		10.46	32.15	38.		8.66	32.63
20.		10.34	32.16	39.		8.58	32.64
21.		10.29	32.17				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-127
 POSITION 51-32.4N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82
 PST 05:06

STATION C002

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.71	30.47	0	22.97	490.0	.00	.00	1494.
10	12.63	30.67	10	23.14	473.9	.49	.02	1494.
20	10.40	32.26	20	24.77	318.8	.85	.08	1489.
30	9.54	32.37	30	25.00	297.6	1.16	.16	1486.

DEEPEST MEASUREMENT:

36	9.40	32.42	36	25.06	291.1	1.33	.22	1485.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.71	30.47	18.		10.74	32.11
1.		12.71	30.47	19.		10.66	32.15
2.		12.71	30.47	20.		10.40	32.26
3.		12.71	30.46	21.		10.16	32.28
4.		12.70	30.44	22.		9.97	32.29
5.		12.70	30.43	23.		9.80	32.31
6.		12.69	30.45	24.		9.72	32.38
7.		12.69	30.43	25.		9.69	32.38
8.		12.72	30.44	26.		9.59	32.36
9.		12.75	30.54	27.		9.58	32.38
10.		12.63	30.67	28.		9.58	32.37
11.		12.52	31.57	29.		9.56	32.38
12.		12.08	31.78	30.		9.54	32.37
13.		11.98	31.82	31.		9.53	32.38
14.		11.48	31.94	32.		9.51	32.38
15.		11.43	31.97	34.		9.44	32.41
16.		11.38	32.00	35.		9.43	32.41
17.		11.22	32.06	36.		9.40	32.42

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-128
 POSITION 51-34.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82
 PST 05:24

STATION C001

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.56	30.90	0	23.33	455.7	.00	.00	1494.
10	12.38	31.64	10	23.93	398.4	.45	.02	1495.
20	10.49	32.21	20	24.71	324.2	.82	.08	1489.
30	9.75	32.33	30	24.94	303.2	1.12	.16	1487.

DEEPEST MEASUREMENT:

40	9.70	32.33	40	24.94	303.2	1.43	.26	1487.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.56	30.90	21.		10.26	32.22
1.		12.56	30.90	22.		9.95	32.30
2.		12.56	30.90	23.		9.94	32.31
4.		12.57	30.90	24.		9.90	32.32
5.		12.59	30.87	25.		9.81	32.37
6.		12.56	30.89	27.		9.80	32.35
7.		12.55	30.88	28.		9.79	32.29
8.		12.54	30.89	29.		9.75	32.31
9.		12.46	31.02	30.		9.75	32.33
10.		12.38	31.64	31.		9.74	32.31
11.		12.38	31.69	32.		9.72	32.31
12.		12.29	31.77	33.		9.72	32.33
13.		12.20	31.87	34.		9.72	32.34
14.		12.14	31.93	35.		9.72	32.33
15.		11.96	31.99	36.		9.71	32.33
16.		11.79	31.99	37.		9.70	32.33
17.		11.63	32.00	38.		9.70	32.32
18.		10.96	32.10	39.		9.70	32.34
19.		10.52	32.15	40.		9.70	32.33
20.		10.49	32.21				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-130
 POSITION 51-35.3N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82
 PST 05:54

STATION C000

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.39	31.17	0	23.57	432.7	.00	.00	1494.
10	12.04	31.69	10	24.04	388.6	.44	.02	1494.
20	11.48	32.03	20	24.40	353.9	.80	.08	1492.
30	9.89	32.32	30	24.90	306.6	1.13	.16	1487.

DEEPEST MEASUREMENT:

38	9.75	32.31	38	24.92	304.9	1.37	.25	1487.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.39	31.17	19.		11.53	32.02
1.		12.42	31.09	21.		11.44	32.04
3.		12.49	30.93	22.		11.31	32.08
4.		12.52	30.94	23.		11.11	32.14
5.		12.45	31.04	24.		10.61	32.14
6.		12.38	31.14	25.		10.38	32.19
8.		12.40	31.17	26.		10.16	32.26
9.		12.22	31.18	27.		10.02	32.27
10.		12.04	31.69	28.		9.94	32.30
11.		11.99	31.79	29.		9.93	32.32
12.		11.99	31.84	30.		9.89	32.32
13.		11.98	31.87	31.		9.86	32.26
14.		11.77	31.94	32.		9.84	32.25
15.		11.68	31.97	33.		9.85	32.28
16.		11.64	31.98	34.		9.80	32.31
17.		11.63	32.01	37.		9.79	32.30
18.		11.56	32.03	38.		9.75	32.31

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-132
 POSITION 51-37.3N, 128-46.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82

PST 13:30

STATION G101

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.54	30.45	0	22.99	488.4	.00	.00	1494.
10	12.25	31.23	10	23.64	426.1	.45	.02	1494.
20	11.80	31.54	20	23.96	395.7	.87	.09	1493.
30	10.36	32.17	30	24.71	325.3	1.22	.17	1489.

DEEPEST MEASUREMENT:

31	10.36	32.17	31	24.71	324.8	1.25	.18	1489.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.54	30.45	17.		12.21	31.24
1.		12.48	30.45	18.		12.09	31.30
2.		12.41	30.51	19.		11.89	31.43
4.		12.36	30.62	20.		11.80	31.54
5.		12.34	31.00	21.		11.70	31.65
6.		12.32	31.14	22.		11.49	31.80
7.		12.29	31.22	23.		11.23	31.93
8.		12.25	31.25	24.		10.69	31.98
9.		12.23	31.24	25.		10.66	32.11
10.		12.25	31.23	26.		10.52	32.15
11.		12.25	31.24	27.		10.45	32.17
12.		12.25	31.24	28.		10.40	32.17
13.		12.25	31.24	29.		10.37	32.15
14.		12.24	31.25	30.		10.36	32.17
15.		12.24	31.25	31.		10.36	32.17
16.		12.23	31.23				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-134
 POSITION 51-40.3N, 128-36.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82

PST 14:24

STATION G103

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.76	29.67	0	22.34	550.3	.00	.00	1493.
10	12.18	31.59	10	23.94	398.4	.52	.02	1494.
20	10.48	32.16	20	24.68	327.5	.86	.08	1489.
30	9.39	32.46	30	25.09	288.5	1.17	.15	1485.

DEEPEST MEASUREMENT:

35	9.25	32.48	35	25.13	284.7	1.31	.20	1485.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.76	29.67	19.		10.48	32.14
1.		12.76	29.57	20.		10.48	32.16
2.		12.77	29.58	21.		9.99	32.31
4.		12.77	29.58	23.		9.74	32.28
5.		12.78	29.61	24.		9.70	32.30
6.		12.68	29.64	25.		9.71	32.31
7.		12.58	30.25	26.		9.70	32.32
8.		12.41	31.24	27.		9.54	32.39
9.		12.34	31.38	28.		9.47	32.43
10.		12.18	31.59	29.		9.44	32.44
11.		12.05	31.76	30.		9.39	32.46
12.		11.58	31.95	31.		9.36	32.44
13.		11.25	32.04	32.		9.29	32.45
14.		11.09	32.06	33.		9.28	32.45
15.		10.96	32.08	34.		9.25	32.46
16.		10.88	32.11	35.		9.25	32.48
17.		10.74	32.12				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-135
 POSITION 51-41.0N, 128-34.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82

PST 14:42

STATION G104

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.92	29.20	0	21.95	587.5	.00	.00	1493.
10	12.63	30.02	10	22.64	522.3	.56	.03	1494.
20	10.53	32.11	20	24.64	331.6	.94	.08	1489.
30	9.79	32.37	30	24.96	300.8	1.26	.17	1487.
50	8.55	32.65	50	25.37	262.2	1.82	.39	1483.
75	7.58	33.11	75	25.87	214.7	2.43	.78	1480.
100	7.19	33.41	99	26.16	187.6	2.93	1.22	1479.
125	6.78	33.59	124	26.36	169.4	3.37	1.73	1478.

DEEPEST MEASUREMENT:

127	6.53	33.65	126	26.44	161.4	3.41	1.78	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-136
 POSITION 51-42.4N, 128-28.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82

PST 15:12

STATION G105

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.70	27.66	0	20.81	697.4	.00	.00	1491.
10	12.39	31.15	10	23.56	434.3	.57	.03	1494.
20	10.76	32.14	20	24.62	333.4	.93	.08	1490.
30	9.84	32.30	30	24.90	306.8	1.25	.16	1487.
50	8.88	32.68	50	25.35	264.7	1.81	.39	1484.
75	7.76	33.07	75	25.82	220.2	2.43	.78	1481.
100	7.02	33.36	99	26.15	188.6	2.94	1.24	1479.
125	6.80	33.63	124	26.39	166.1	3.38	1.74	1479.

DEEPEST MEASUREMENT:

141	6.57	33.76	140	26.52	153.9	3.64	2.09	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-137
 POSITION 51-37.3N, 128-46.4W
 RESULTS OF STP CAST
 GUIDELINE WAS USED

DATE 22/09/82
 PST 16:30

STATION G101

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.72	30.25	0	22.80	506.7	.00	.00	1494.
10	12.38	30.82	10	23.30	458.5	.49	.02	1494.
20	10.42	32.19	20	24.71	324.4	.89	.08	1489.
30	10.27	32.19	30	24.74	322.2	1.21	.17	1488.

DEEPEST MEASUREMENT:

33	10.26	32.20	33	24.75	321.0	1.31	.20	1488.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.72	30.25	17.		11.69	31.59
1.		12.72	30.25	18.		11.05	32.11
2.		12.72	30.25	19.		10.86	32.14
3.		12.71	30.27	20.		10.42	32.19
4.		12.64	30.29	21.		10.31	32.22
5.		12.52	30.51	22.		10.30	32.21
7.		12.43	30.73	24.		10.28	32.21
8.		12.41	30.78	25.		10.28	32.20
9.		12.39	30.79	26.		10.28	32.19
10.		12.38	30.82	28.		10.27	32.18
11.		12.33	30.86	29.		10.27	32.19
12.		12.23	31.08	30.		10.27	32.19
13.		12.16	31.21	31.		10.27	32.22
14.		12.15	31.22	32.		10.26	32.23
15.		12.11	31.27	33.		10.26	32.20
16.		12.07	31.31				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-138
 POSITION 51-39.2N, 128-40.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82
 PST 17:00

STATION G102

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.20	30.55	0	23.13	474.8	.00	.00	1493.
10	11.42	31.77	10	24.21	371.9	.42	.02	1492.
20	10.52	32.14	20	24.65	330.0	.77	.07	1489.
30	10.09	32.22	30	24.79	317.0	1.09	.15	1488.

DEEPEST MEASUREMENT:

34	9.98	32.25	34	24.83	313.4	1.22	.20	1487.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.20	30.55	17.		10.83	32.03
1.		12.20	30.55	18.		10.79	32.07
2.		12.25	30.50	19.		10.61	32.16
3.		12.22	30.57	20.		10.52	32.14
4.		12.20	30.64	21.		10.43	32.14
5.		11.68	31.60	22.		10.37	32.15
6.		11.54	31.67	23.		10.30	32.17
7.		11.52	31.72	24.		10.20	32.22
8.		11.52	31.73	26.		10.18	32.18
9.		11.51	31.75	28.		10.12	32.21
10.		11.42	31.77	29.		10.10	32.23
11.		11.34	31.86	30.		10.09	32.22
12.		11.21	31.94	31.		10.07	32.23
13.		11.19	31.95	32.		10.03	32.23
14.		11.08	31.99	33.		10.00	32.25
15.		10.95	32.02	34.		9.98	32.25
16.		10.86	32.03				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-139
 POSITION 51-40.3N, 128-36.5W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82

PST 17:24

STATION GI03

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.84	29.52	0	22.21	562.6	.00	.00	1494.
10	10.82	31.94	10	24.45	349.0	.46	.02	1490.
20	10.12	32.25	20	24.81	314.8	.79	.07	1488.
30	9.09	32.51	30	25.18	279.8	1.09	.15	1484.

DEEPEST MEASUREMENT:

37	8.91	32.57	37	25.25	273.4	1.28	.21	1484.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.84	29.52	19.		10.16	32.26
1.		12.84	29.52	20.		10.12	32.25
2.		12.84	29.59	21.		10.08	32.29
3.		12.81	29.67	22.		9.90	32.33
4.		12.73	29.88	23.		9.79	32.36
5.		12.34	30.60	24.		9.50	32.43
6.		12.04	31.26	25.		9.35	32.46
7.		11.61	31.69	26.		9.25	32.48
8.		11.09	31.86	28.		9.17	32.51
9.		10.95	31.93	29.		9.09	32.53
11.		10.69	31.95	30.		9.09	32.51
12.		10.67	31.96	31.		9.08	32.51
13.		10.66	32.05	32.		9.07	32.54
14.		10.64	32.14	33.		8.98	32.56
15.		10.44	32.18	34.		8.95	32.59
18.		10.30	32.23	37.		8.91	32.57

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-140
 POSITION 51-41.0N, 128-34.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82

PST 17:42

STATION G104

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.87	28.85	0	21.70	612.2	.00	.00	1493.
10	12.67	30.73	10	23.18	470.7	.60	.03	1495.
20	10.60	32.14	20	24.65	330.8	.99	.09	1489.
30	9.37	32.37	30	25.02	294.9	1.30	.17	1485.
50	8.30	32.77	50	25.50	249.7	1.84	.39	1482.
75	7.44	33.23	75	25.99	203.6	2.39	.73	1480.
100	7.00	33.50	99	26.26	178.0	2.87	1.16	1479.
125	6.50	33.78	124	26.54	151.6	3.28	1.63	1477.

DEEPEST MEASUREMENT:

125	6.50	33.78	124	26.54	151.6	3.28	1.63	1477.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-141
 POSITION 51-42.4N, 128-28.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82

PST 18:18

STATION G105

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.61	28.76	0	21.67	614.5	.00	.00	1492.
10	12.18	31.41	10	23.80	411.4	.51	.02	1494.
20	10.61	32.10	20	24.61	333.8	.88	.08	1489.
30	9.82	32.29	30	24.89	307.3	1.21	.16	1487.
50	8.79	32.68	50	25.36	263.1	1.76	.39	1484.
75	7.85	32.98	75	25.73	228.0	2.38	.78	1481.
100	7.10	33.31	99	26.10	193.6	2.91	1.25	1479.
125	6.77	33.64	124	26.40	165.1	3.35	1.75	1478.

DEEPEST MEASUREMENT:

146	6.58	33.75	145	26.52	154.7	3.69	2.22	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-142
 POSITION 51-37.3N, 128-46.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82
 PST 19:24

STATION G101

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.47	30.69	0	23.19	469.2	.00	.00	1494.
10	12.00	31.44	10	23.85	406.2	.45	.02	1493.
20	10.27	32.19	20	24.74	322.2	.81	.08	1488.
30	10.19	32.19	30	24.75	320.6	1.13	.16	1488.

DEEPEST MEASUREMENT:

31	10.19	32.20	31	24.76	320.1	1.16	.17	1488.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.47	30.69	17.		10.41	32.12
1.		12.47	30.69	18.		10.34	32.15
2.		12.47	30.75	19.		10.31	32.17
4.		12.42	30.77	20.		10.27	32.19
5.		12.45	30.78	21.		10.23	32.20
6.		12.41	31.01	22.		10.22	32.20
7.		12.22	31.24	23.		10.23	32.19
8.		12.21	31.24	24.		10.20	32.19
9.		12.19	31.28	25.		10.19	32.21
10.		12.00	31.44	26.		10.20	32.20
11.		11.87	31.55	27.		10.20	32.20
12.		11.78	31.62	28.		10.19	32.22
13.		11.64	31.69	29.		10.19	32.20
15.		11.32	31.84	30.		10.19	32.19
16.		10.50	32.09	31.		10.19	32.20

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-143
 POSITION 51-39.1N, 128-40.4W
 RESULTS OF STP CAST
 GUIDELINE WAS USED

DATE 22/09/82

PST 20:00

STATION GIO2

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.56	29.56	0	22.30	554.5	.00	.00	1493.
10	10.91	31.89	10	24.40	354.4	.49	.02	1490.
20	10.04	32.26	20	24.83	313.0	.81	.07	1487.
30	9.87	32.27	30	24.87	309.5	1.13	.15	1487.

DEEPEST MEASUREMENT:

29	9.87	32.28	29	24.88	308.8	1.10	.14	1487.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.56	29.56	14.		10.26	32.25
1.		12.56	29.56	16.		10.16	32.26
2.		12.56	29.55	17.		10.10	32.27
3.		12.57	29.53	18.		10.07	32.25
4.		12.56	29.56	19.		10.04	32.25
5.		12.53	29.62	20.		10.04	32.26
6.		12.06	30.47	21.		10.02	32.27
7.		11.76	31.16	22.		10.00	32.27
8.		11.59	31.26	23.		9.98	32.27
9.		11.35	31.69	24.		9.93	32.28
10.		10.91	31.89	26.		9.89	32.29
11.		10.78	31.96	27.		9.89	32.30
12.		10.62	32.06	28.		9.87	32.29
13.		10.50	32.18	29.		9.87	32.28

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-144
 POSITION 51-40.3N, 128-36.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82

PST 20:24

STATION G103

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.64	28.99	0	21.84	598.2	.00	.00	1492.
10	11.76	31.49	10	23.93	398.5	.51	.02	1492.
20	10.76	32.15	20	24.62	332.8	.87	.08	1490.
30	10.01	32.41	30	24.95	301.9	1.19	.16	1488.
50	8.63	32.59	50	25.31	267.9	1.76	.39	1483.
75	7.62	33.08	75	25.85	217.3	2.36	.77	1480.
100	7.24	33.35	99	26.11	192.3	2.87	1.23	1479.

DEEPEST MEASUREMENT:

121	6.85	33.57	120	26.34	171.1	3.26	1.66	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-146
 POSITION 51-42.4N, 128-28.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82

PST 21:18

STATION G105

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	11.97	28.61	0	21.68	613.9	.00	.00	1489.
10	12.46	30.71	10	23.21	467.8	.58	.03	1494.
20	11.59	32.03	20	24.38	356.0	.97	.09	1493.
30	10.14	32.38	30	24.91	306.1	1.30	.17	1488.
50	8.77	32.67	50	25.36	263.6	1.86	.40	1484.
75	7.72	33.10	75	25.85	217.3	2.47	.78	1481.
100	6.92	33.51	99	26.28	176.4	2.97	1.22	1478.
125	6.64	33.71	124	26.48	158.1	3.38	1.70	1478.

DEEPEST MEASUREMENT:

142	6.54	33.73	141	26.50	155.7	3.65	2.06	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-147
 POSITION 51-37.3N, 128-46.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82

PST 22:30

STATION GIO1

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.32	30.42	0	23.00	487.2	.00	.00	1493.
10	11.52	31.74	10	24.17	375.6	.45	.02	1492.
20	10.22	32.19	20	24.75	320.8	.79	.07	1488.
30	10.14	32.21	30	24.77	318.7	1.11	.15	1488.

DEEPEST MEASUREMENT:

32	10.14	32.21	32	24.78	318.6	1.17	.17	1488.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.32	30.42	15.		10.49	32.13
1.		12.32	30.44	16.		10.47	32.11
2.		12.31	30.47	17.		10.46	32.13
3.		12.29	30.55	18.		10.42	32.14
4.		12.29	30.56	19.		10.38	32.15
5.		12.28	30.58	20.		10.22	32.19
6.		12.18	30.71	21.		10.17	32.22
7.		12.06	31.04	23.		10.16	32.20
8.		11.92	31.45	24.		10.15	32.19
9.		11.70	31.61	26.		10.15	32.21
10.		11.52	31.74	28.		10.15	32.22
11.		11.28	31.95	30.		10.14	32.21
12.		10.85	31.98	31.		10.14	32.19
13.		10.80	32.02	32.		10.14	32.21
14.		10.54	32.12				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-148
 POSITION 51-39.2N, 128-40.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82

PST 23:06

STATION G102

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.64	28.96	0	21.82	600.4	.00	.00	1492.
10	12.62	30.21	10	22.79	508.0	.59	.03	1494.
20	10.60	32.14	20	24.65	330.8	.98	.09	1489.
30	9.52	32.38	30	25.01	296.1	1.29	.17	1486.

DEEPEST MEASUREMENT:

30	9.52	32.38	30	25.01	296.1	1.29	.17	1486.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.64	28.96	16.		11.69	31.85
1.		12.64	28.96	17.		11.21	32.04
2.		12.64	28.96	18.		10.90	32.14
3.		12.64	28.94	19.		10.81	32.12
4.		12.64	28.98	20.		10.60	32.14
5.		12.64	29.02	21.		10.48	32.16
6.		12.64	29.00	22.		10.47	32.15
7.		12.65	29.08	23.		10.45	32.19
8.		12.66	29.16	24.		10.25	32.23
9.		12.65	29.53	25.		9.89	32.32
10.		12.62	30.21	26.		9.78	32.33
11.		12.24	31.01	27.		9.73	32.38
12.		12.26	31.14	28.		9.60	32.38
13.		12.19	31.29	29.		9.53	32.38
14.		12.13	31.66	30.		9.52	32.38
15.		11.99	31.81				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-150
 POSITION 51-40.3N, 128-36.5W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82
 PST 23:42

STATION G103

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.52	28.20	0	21.26	653.7	.00	.00	1491.
10	12.10	31.41	10	23.81	410.4	.56	.03	1493.
20	10.66	32.19	20	24.68	327.9	.91	.08	1490.
30	9.62	32.41	30	25.02	295.6	1.22	.16	1486.

DEEPEST MEASUREMENT:

42	9.13	32.51	42	25.18	280.4	1.57	.28	1485.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.52	28.20	22.		10.48	32.25
1.		12.52	28.20	23.		10.40	32.28
2.		12.52	28.20	24.		10.26	32.29
4.		12.52	28.82	25.		10.14	32.30
5.		12.67	29.13	26.		10.05	32.29
6.		12.69	30.18	27.		9.98	32.34
7.		12.65	30.27	28.		9.77	32.39
8.		12.48	30.89	30.		9.62	32.41
9.		12.13	31.32	31.		9.47	32.42
10.		12.10	31.41	32.		9.37	32.43
12.		11.59	31.68	33.		9.18	32.44
13.		11.19	31.84	34.		9.14	32.49
14.		11.14	31.91	35.		9.15	32.49
15.		11.08	31.93	36.		9.15	32.49
16.		11.02	32.07	37.		9.15	32.51
17.		10.86	32.13	38.		9.15	32.49
18.		10.71	32.14	39.		9.15	32.50
19.		10.66	32.18	40.		9.12	32.53
20.		10.66	32.19	42.		9.13	32.51
21.		10.62	32.20				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-151
 POSITION 51-41.1N, 128-34.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 22/09/82

PST 24:00

STATION G104

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.36	28.94	0	21.86	596.6	.00	.00	1491.
10	11.77	31.69	10	24.09	383.4	.55	.03	1493.
20	10.59	32.13	20	24.64	331.8	.90	.08	1489.
30	9.44	32.39	30	25.03	294.4	1.21	.16	1485.
50	8.42	32.66	50	25.40	259.4	1.76	.38	1482.
75	7.69	33.01	75	25.78	223.2	2.37	.77	1480.
100	7.10	33.44	99	26.20	184.0	2.88	1.22	1479.

DEEPEST MEASUREMENT:

105	7.05	33.47	104	26.23	181.4	2.97	1.31	1479.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-152
 POSITION 51-42.4N, 128-28.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 00:30

STATION G105

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.11	29.04	0	21.98	585.2	.00	.00	1490.
10	12.12	31.59	10	23.95	396.9	.51	.02	1494.
20	11.06	32.10	20	24.53	341.4	.88	.08	1491.
30	9.74	32.35	30	24.95	301.9	1.20	.16	1487.
50	8.60	32.61	50	25.33	265.7	1.78	.39	1483.
75	7.70	33.13	75	25.87	215.1	2.38	.78	1481.
100	7.07	33.36	99	26.14	189.4	2.90	1.24	1479.
125	6.82	33.65	124	26.40	165.0	3.34	1.74	1479.

DEEPEST MEASUREMENT:

141	6.55	33.76	140	26.53	153.4	3.59	2.08	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-153
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82
 PST 02:48

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.67	31.41	0	23.71	420.0	.00	.00	1495.
10	12.67	31.41	10	23.71	420.2	.42	.02	1495.
20	11.53	31.98	20	24.36	358.2	.82	.08	1492.
30	10.08	32.25	30	24.81	314.9	1.15	.17	1488.
50	7.20	33.17	50	25.98	204.5	1.67	.37	1478.

DEEPEST MEASUREMENT:

47	7.67	33.03	47	25.80	221.6	1.61	.33	1480.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.67	31.41	24.		10.47	32.17
1.		12.67	31.41	25.		10.43	32.18
2.		12.67	31.41	26.		10.38	32.20
3.		12.67	31.41	27.		10.31	32.20
4.		12.67	31.41	28.		10.19	32.24
5.		12.67	31.41	29.		10.11	32.24
6.		12.67	31.41	30.		10.08	32.25
7.		12.67	31.41	31.		10.07	32.26
8.		12.67	31.41	32.		10.08	32.28
9.		12.67	31.41	33.		10.06	32.31
10.		12.67	31.41	34.		9.98	32.32
11.		12.67	31.41	35.		9.76	32.36
12.		12.67	31.41	36.		9.67	32.39
13.		12.67	31.40	37.		9.66	32.40
14.		12.63	31.49	38.		9.59	32.42
15.		12.60	31.57	39.		9.23	32.46
16.		12.52	31.66	41.		9.06	32.53
17.		12.46	31.67	42.		8.76	32.67
18.		12.24	31.77	43.		8.35	32.83
19.		11.84	31.91	44.		8.13	32.89
20.		11.53	31.98	45.		8.06	32.91
21.		11.08	32.06	46.		7.82	32.98
22.		10.91	32.15	47.		7.67	33.03
23.		10.85	32.16				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-154
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82
 PST 03:06

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.69	31.24	0	23.57	432.9	.00	.00	1495.
10	12.67	31.34	10	23.65	425.4	.43	.02	1495.
20	12.41	31.68	20	23.96	395.8	.85	.09	1495.
30	10.34	32.20	30	24.73	322.7	1.20	.18	1489.

DEEPEST MEASUREMENT:

44	8.68	32.64	44	25.35	264.4	1.62	.33	1483.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.69	31.24	21.		12.34	31.72
1.		12.69	31.24	22.		12.28	31.74
2.		12.69	31.24	23.		12.11	31.83
3.		12.69	31.23	24.		11.55	31.97
4.		12.69	31.21	25.		11.27	32.02
5.		12.69	31.18	26.		11.19	32.05
6.		12.69	31.19	27.		10.98	32.06
7.		12.69	31.24	28.		10.60	32.13
8.		12.68	31.29	29.		10.41	32.18
9.		12.67	31.33	31.		10.28	32.22
10.		12.67	31.34	32.		10.08	32.27
11.		12.66	31.37	33.		9.94	32.32
12.		12.65	31.40	34.		9.79	32.37
13.		12.66	31.42	36.		9.72	32.36
14.		12.64	31.45	37.		9.71	32.36
15.		12.64	31.47	38.		9.70	32.33
16.		12.62	31.51	39.		9.65	32.35
17.		12.62	31.53	40.		9.45	32.40
18.		12.58	31.54	41.		9.21	32.46
19.		12.54	31.58	43.		9.06	32.52
20.		12.41	31.68	44.		8.68	32.64

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-156
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUIDELINE WAS USED

DATE 23/09/82

PST 03:42

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.68	30.76	0	23.20	468.3	.00	.00	1494.
10	12.64	31.41	10	23.71	419.9	.44	.02	1495.
20	12.08	31.85	20	24.15	377.7	.85	.08	1494.
30	9.92	32.33	30	24.90	306.4	1.18	.17	1487.

DEEPEST MEASUREMENT:

43	8.81	32.59	43	25.28	270.4	1.56	.31	1484.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.68	30.76	23.		11.00	32.03
1.		12.68	30.76	24.		10.86	32.05
2.		12.68	30.91	25.		10.50	32.13
3.		12.69	31.07	26.		10.38	32.19
4.		12.69	31.14	27.		10.37	32.19
5.		12.69	31.16	28.		10.32	32.23
6.		12.69	31.16	29.		10.04	32.30
8.		12.69	31.16	30.		9.92	32.33
9.		12.66	31.30	31.		9.86	32.35
10.		12.64	31.41	32.		9.72	32.37
11.		12.64	31.46	34.		9.68	32.37
12.		12.63	31.49	35.		9.67	32.36
13.		12.61	31.52	36.		9.64	32.37
14.		12.61	31.52	37.		9.54	32.41
16.		12.52	31.60	38.		9.40	32.41
17.		12.47	31.64	39.		9.24	32.44
18.		12.36	31.71	40.		9.06	32.56
19.		12.19	31.81	41.		8.99	32.58
20.		12.08	31.85	42.		8.82	32.60
21.		11.81	31.95	43.		8.81	32.59
22.		11.17	32.03				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-157
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82
 PST 04:00

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.63	30.59	0	23.08	479.8	.00	.00	1494.
10	12.62	31.43	10	23.73	418.2	.45	.02	1495.
20	12.20	31.75	20	24.06	386.8	.86	.08	1494.
30	10.05	32.29	30	24.85	311.0	1.19	.17	1488.

DEEPEST MEASUREMENT:

44	8.86	32.59	44	25.28	270.9	1.60	.32	1484.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.63	30.59	23.		10.91	32.10
1.		12.63	30.61	24.		10.72	32.13
2.		12.63	30.62	25.		10.55	32.16
3.		12.65	30.69	26.		10.42	32.18
4.		12.68	30.76	27.		10.39	32.19
5.		12.69	31.01	28.		10.31	32.19
6.		12.68	31.23	29.		10.11	32.28
7.		12.67	31.29	30.		10.05	32.29
8.		12.64	31.35	31.		10.02	32.31
9.		12.63	31.41	33.		9.83	32.36
10.		12.62	31.43	34.		9.71	32.37
12.		12.62	31.44	35.		9.67	32.36
13.		12.62	31.45	36.		9.65	32.36
14.		12.62	31.48	37.		9.61	32.36
15.		12.61	31.48	38.		9.53	32.35
16.		12.59	31.52	39.		9.46	32.39
17.		12.43	31.65	40.		9.31	32.44
18.		12.37	31.66	41.		9.17	32.47
19.		12.33	31.71	42.		9.05	32.51
20.		12.20	31.75	43.		8.96	32.51
21.		11.64	31.94	44.		8.86	32.59
22.		11.14	32.03				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-158
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 04:18

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.63	30.70	0	23.16	472.0	.00	.00	1494.
10	12.64	31.43	10	23.73	418.1	.45	.02	1495.
20	12.20	31.80	20	24.09	383.6	.85	.08	1494.
30	10.25	32.22	30	24.77	319.2	1.19	.17	1488.

DEEPEST MEASUREMENT:

44	9.08	32.49	44	25.16	281.8	1.61	.33	1484.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.63	30.70	23.		10.62	32.10
1.		12.63	30.70	24.		10.53	32.19
2.		12.66	30.80	25.		10.46	32.17
3.		12.69	30.91	26.		10.44	32.15
4.		12.70	30.88	27.		10.39	32.15
5.		12.69	30.91	28.		10.38	32.18
6.		12.71	30.93	29.		10.33	32.21
7.		12.70	30.99	30.		10.25	32.22
8.		12.67	31.30	31.		10.14	32.27
9.		12.64	31.42	32.		10.03	32.28
10.		12.64	31.43	33.		9.83	32.36
11.		12.63	31.44	34.		9.75	32.40
12.		12.62	31.45	35.		9.70	32.39
13.		12.61	31.47	36.		9.68	32.38
14.		12.61	31.48	37.		9.66	32.38
15.		12.50	31.60	39.		9.50	32.39
16.		12.41	31.72	40.		9.39	32.39
17.		12.37	31.73	41.		9.35	32.40
18.		12.30	31.74	42.		9.24	32.46
20.		12.20	31.80	43.		9.17	32.47
21.		11.46	31.98	44.		9.08	32.49
22.		10.66	32.04				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-159
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 04:36

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.64	30.75	0	23.20	468.2	.00	.00	1494.
10	12.66	31.42	10	23.71	419.6	.45	.02	1495.
20	12.12	31.85	20	24.15	377.8	.85	.08	1494.
30	10.31	32.21	30	24.74	321.5	1.19	.17	1488.

DEEPEST MEASUREMENT:

44	9.20	32.46	44	25.13	285.3	1.61	.33	1485.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.64	30.75	24.		10.45	32.15
1.		12.64	30.75	25.		10.45	32.14
2.		12.64	30.74	26.		10.41	32.16
3.		12.64	30.76	27.		10.36	32.16
4.		12.67	30.86	28.		10.36	32.15
5.		12.69	31.07	29.		10.36	32.17
6.		12.69	31.15	30.		10.31	32.21
7.		12.69	31.20	31.		10.18	32.25
9.		12.70	31.31	32.		9.97	32.30
10.		12.66	31.42	33.		9.77	32.36
11.		12.64	31.46	34.		9.76	32.37
12.		12.63	31.48	35.		9.74	32.35
13.		12.64	31.49	36.		9.73	32.33
15.		12.61	31.51	37.		9.70	32.34
17.		12.36	31.70	38.		9.69	32.34
18.		12.21	31.82	39.		9.65	32.35
19.		12.16	31.85	40.		9.62	32.35
20.		12.12	31.85	41.		9.51	32.38
21.		11.76	31.91	42.		9.46	32.39
22.		11.06	32.02	44.		9.20	32.46
23.		10.51	32.13				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-160
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 05:00

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.57	30.56	0	23.07	480.7	.00	.00	1494.
10	12.54	31.62	10	23.89	402.5	.46	.02	1495.
20	10.91	32.05	20	24.52	342.3	.84	.08	1490.
30	10.14	32.27	30	24.82	314.1	1.16	.16	1488.

DEEPEST MEASUREMENT:

43	9.00	32.52	43	25.20	278.4	1.55	.30	1484.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.57	30.56	23.		10.44	32.16
1.		12.57	30.56	24.		10.38	32.18
2.		12.56	30.55	25.		10.37	32.16
4.		12.56	30.57	26.		10.33	32.16
5.		12.61	30.57	27.		10.31	32.18
6.		12.64	30.79	28.		10.24	32.22
7.		12.67	31.40	29.		10.16	32.25
8.		12.64	31.49	30.		10.14	32.27
9.		12.62	31.51	31.		10.03	32.28
10.		12.54	31.62	32.		9.94	32.32
11.		12.41	31.66	33.		9.93	32.31
12.		12.38	31.69	34.		9.93	32.29
13.		12.35	31.72	35.		9.92	32.30
14.		12.30	31.76	37.		9.92	32.32
15.		12.21	31.80	38.		9.83	32.31
16.		12.13	31.82	39.		9.75	32.34
17.		12.03	31.86	40.		9.67	32.37
18.		11.89	31.89	41.		9.42	32.41
19.		11.49	31.98	42.		9.32	32.45
20.		10.91	32.05	43.		9.00	32.52
21.		10.51	32.17				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-161
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 05:18

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.57	30.56	0	23.07	481.2	.00	.00	1494.
10	12.59	31.60	10	23.87	404.6	.46	.02	1495.
20	11.67	31.99	20	24.34	360.3	.84	.08	1493.
30	10.20	32.22	30	24.78	318.6	1.18	.17	1488.

DEEPEST MEASUREMENT:

42	9.53	32.46	42	25.07	290.5	1.54	.30	1486.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.57	30.56	23.		10.71	32.09
1.		12.57	30.56	24.		10.50	32.14
2.		12.56	30.55	25.		10.46	32.14
3.		12.56	30.53	26.		10.42	32.15
4.		12.57	30.53	27.		10.37	32.17
5.		12.56	30.56	28.		10.31	32.19
6.		12.58	30.92	29.		10.25	32.19
7.		12.68	31.28	30.		10.20	32.22
8.		12.67	31.43	31.		10.17	32.22
9.		12.62	31.54	32.		10.15	32.24
10.		12.59	31.60	33.		10.14	32.23
11.		12.51	31.67	34.		10.12	32.25
13.		12.39	31.70	35.		10.08	32.27
14.		12.31	31.76	36.		10.04	32.28
15.		12.28	31.76	37.		10.02	32.29
16.		12.18	31.83	38.		10.00	32.32
17.		12.10	31.82	39.		9.93	32.33
18.		11.97	31.84	40.		9.90	32.33
19.		11.89	31.88	41.		9.81	32.35
20.		11.67	31.99	42.		9.53	32.46
22.		11.34	32.02				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-162
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 05:36

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.56	30.57	0	23.07	480.2	.00	.00	1494.
10	12.54	31.31	10	23.65	425.5	.48	.02	1495.
20	11.68	32.03	20	24.36	357.6	.86	.08	1493.
30	10.14	32.19	30	24.76	319.7	1.19	.17	1488.

DEEPEST MEASUREMENT:

42	9.72	32.36	42	24.97	300.7	1.57	.30	1487.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.56	30.57	20.		11.68	32.03
1.		12.56	30.57	21.		11.25	32.06
2.		12.56	30.58	23.		10.80	32.13
3.		12.52	30.57	24.		10.45	32.17
4.		12.56	30.56	25.		10.44	32.15
5.		12.56	30.57	26.		10.34	32.16
6.		12.56	30.56	28.		10.26	32.18
7.		12.57	30.57	29.		10.20	32.19
8.		12.58	30.60	30.		10.14	32.19
9.		12.59	30.70	31.		10.11	32.23
10.		12.54	31.31	32.		10.09	32.24
11.		12.49	31.61	33.		10.05	32.25
12.		12.46	31.65	34.		10.00	32.27
13.		12.36	31.71	35.		9.99	32.27
14.		12.30	31.74	36.		9.99	32.28
15.		12.24	31.78	37.		9.99	32.29
16.		12.21	31.80	38.		9.99	32.30
17.		12.21	31.82	39.		9.98	32.30
18.		12.05	31.85	41.		9.93	32.33
19.		11.91	31.88	42.		9.72	32.36

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-163
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 06:00

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.49	30.49	0	23.03	484.6	.00	.00	1493.
10	12.41	31.61	10	23.91	401.1	.45	.02	1495.
20	11.89	31.86	20	24.20	373.1	.84	.08	1493.
30	10.12	32.18	30	24.76	320.5	1.17	.17	1488.

DEEPEST MEASUREMENT:

43	9.36	32.42	43	25.07	290.9	1.57	.31	1485.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.49	30.49	23.		10.64	32.13
1.		12.49	30.49	24.		10.39	32.14
2.		12.49	30.49	25.		10.33	32.13
3.		12.49	30.44	26.		10.28	32.15
4.		12.55	30.66	27.		10.25	32.14
5.		12.62	30.88	28.		10.23	32.17
6.		12.58	31.01	29.		10.18	32.19
7.		12.55	31.28	30.		10.12	32.18
8.		12.44	31.58	31.		10.11	32.19
9.		12.42	31.59	32.		10.10	32.18
10.		12.41	31.61	33.		10.09	32.19
11.		12.36	31.64	34.		10.09	32.20
12.		12.25	31.70	35.		10.09	32.23
14.		12.22	31.74	36.		10.09	32.26
15.		12.17	31.76	37.		10.07	32.27
16.		12.14	31.77	38.		10.02	32.29
17.		12.10	31.79	39.		9.97	32.31
18.		12.07	31.81	40.		9.86	32.35
20.		11.89	31.86	42.		9.47	32.40
21.		11.35	31.94	43.		9.36	32.42
22.		11.14	32.07				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-164
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUIDELINE WAS USED

DATE 23/09/82

PST 06:18

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.41	30.26	0	22.86	500.4	.00	.00	1493.
10	12.60	31.30	10	23.64	426.9	.49	.02	1495.
20	11.29	31.96	20	24.39	355.5	.89	.08	1491.
30	10.30	32.12	30	24.68	328.1	1.22	.17	1488.

DEEPEST MEASUREMENT:

43	9.34	32.43	43	25.08	290.1	1.62	.32	1485.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.41	30.26	24.		10.51	32.09
1.		12.41	30.26	25.		10.43	32.11
2.		12.45	30.24	26.		10.36	32.12
3.		12.42	30.25	27.		10.36	32.13
4.		12.41	30.23	28.		10.33	32.14
5.		12.41	30.20	29.		10.30	32.14
6.		12.41	30.22	30.		10.30	32.12
7.		12.46	30.26	31.		10.28	32.14
8.		12.51	30.30	32.		10.26	32.15
9.		12.64	31.12	33.		10.25	32.19
10.		12.60	31.30	34.		10.23	32.19
11.		12.50	31.39	35.		10.22	32.19
12.		12.43	31.50	36.		10.18	32.27
13.		12.40	31.51	37.		10.12	32.28
14.		12.26	31.68	38.		10.08	32.30
15.		12.24	31.68	39.		9.93	32.30
16.		12.18	31.68	40.		9.73	32.35
19.		11.66	31.82	41.		9.70	32.35
20.		11.29	31.96	42.		9.46	32.39
21.		10.91	32.05	43.		9.34	32.43
23.		10.81	32.07				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-165
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82
 PST 06:36

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.36	30.33	0	22.93	494.4	.00	.00	1493.
10	12.52	30.43	10	22.98	489.8	.49	.03	1494.
20	11.07	32.06	20	24.50	344.6	.90	.09	1491.
30	10.23	32.20	30	24.76	320.5	1.23	.17	1488.

DEEPEST MEASUREMENT:

42	9.39	32.48	42	25.11	287.1	1.59	.30	1486.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.36	30.33	21.		10.80	32.08
1.		12.36	30.33	22.		10.72	32.10
2.		12.38	30.33	24.		10.65	32.10
3.		12.38	30.32	26.		10.43	32.13
4.		12.39	30.33	27.		10.37	32.14
6.		12.44	30.36	28.		10.34	32.19
7.		12.46	30.37	29.		10.25	32.21
8.		12.47	30.39	30.		10.23	32.20
9.		12.50	30.41	31.		10.23	32.21
10.		12.52	30.43	32.		10.23	32.21
11.		12.53	30.86	33.		10.24	32.20
12.		12.50	31.30	34.		10.22	32.23
13.		12.48	31.45	35.		10.13	32.25
14.		12.48	31.45	36.		10.13	32.26
15.		12.47	31.46	37.		10.12	32.29
16.		12.30	31.60	39.		9.93	32.32
17.		12.02	31.76	40.		9.63	32.36
18.		11.54	31.93	41.		9.43	32.42
19.		11.36	31.93	42.		9.39	32.48
20.		11.07	32.06				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-166
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 07:00

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.44	30.33	0	22.91	495.7	.00	.00	1493.
10	12.52	31.19	10	23.56	433.7	.49	.02	1495.
20	10.68	32.10	20	24.60	335.0	.86	.08	1489.
30	10.00	32.25	30	24.83	313.6	1.19	.16	1487.

DEEPEST MEASUREMENT:

41	9.30	32.47	41	25.12	286.0	1.52	.28	1485.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.44	30.33	22.		10.48	32.09
1.		12.44	30.33	23.		10.47	32.11
2.		12.46	30.32	24.		10.46	32.10
3.		12.45	30.30	26.		10.38	32.14
4.		12.44	30.30	27.		10.27	32.19
5.		12.44	30.28	28.		10.16	32.24
6.		12.44	30.34	29.		10.02	32.25
7.		12.46	30.40	30.		10.00	32.25
8.		12.48	30.58	31.		9.98	32.26
9.		12.53	31.02	32.		9.96	32.25
10.		12.52	31.19	33.		9.95	32.26
11.		12.47	31.31	34.		9.93	32.29
12.		12.37	31.47	35.		9.89	32.31
13.		12.32	31.53	36.		9.82	32.32
14.		12.10	31.69	37.		9.75	32.34
15.		11.91	31.83	38.		9.67	32.35
16.		11.60	31.93	39.		9.54	32.39
17.		11.06	32.07	40.		9.38	32.45
18.		10.88	32.12	41.		9.30	32.47
21.		10.59	32.09				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-167
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 07:18

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.47	30.59	0	23.11	476.8	.00	.00	1494.
10	12.53	30.52	10	23.04	483.3	.49	.02	1494.
20	11.32	32.01	20	24.42	352.4	.90	.09	1492.
30	10.29	32.19	30	24.73	322.5	1.23	.17	1488.

DEEPEST MEASUREMENT:

41	9.23	32.48	41	25.14	284.5	1.57	.29	1485.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.47	30.59	22.		10.79	32.16
1.		12.47	30.53	23.		10.60	32.16
2.		12.47	30.47	24.		10.51	32.11
3.		12.47	30.44	25.		10.51	32.12
5.		12.47	30.44	26.		10.51	32.13
6.		12.49	30.43	27.		10.50	32.13
7.		12.49	30.45	28.		10.42	32.15
9.		12.52	30.46	31.		10.22	32.21
10.		12.53	30.52	32.		9.98	32.22
11.		12.51	30.54	33.		9.95	32.25
12.		12.48	31.08	34.		9.95	32.26
13.		12.40	31.16	35.		9.91	32.27
14.		12.38	31.30	36.		9.87	32.29
17.		12.16	31.53	37.		9.76	32.31
18.		11.68	31.93	38.		9.73	32.33
19.		11.56	31.98	39.		9.57	32.36
20.		11.32	32.01	40.		9.35	32.43
21.		10.94	32.17	41.		9.23	32.48

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-168
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82
 PST 07:36

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.55	30.59	0	23.09	478.6	.00	.00	1494.
10	12.47	31.06	10	23.48	442.2	.47	.02	1494.
20	10.90	32.03	20	24.51	344.1	.87	.08	1490.
30	9.89	32.26	30	24.85	311.1	1.19	.17	1487.

DEEPEST MEASUREMENT:

41	9.26	32.46	41	25.11	286.5	1.52	.28	1485.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.55	30.59	20.		10.90	32.03
1.		12.55	30.59	22.		10.81	32.03
2.		12.56	30.58	23.		10.68	32.11
3.		12.56	30.57	24.		10.59	32.13
4.		12.54	30.57	25.		10.51	32.14
5.		12.54	30.56	26.		10.41	32.16
6.		12.57	30.68	27.		10.17	32.26
7.		12.56	30.80	28.		9.98	32.26
9.		12.54	30.95	29.		9.92	32.26
10.		12.47	31.06	30.		9.89	32.26
11.		12.47	31.10	31.		9.84	32.28
12.		12.46	31.11	33.		9.75	32.30
13.		12.39	31.23	34.		9.74	32.33
14.		12.15	31.45	35.		9.62	32.35
15.		12.05	31.55	36.		9.43	32.42
16.		11.85	31.74	37.		9.38	32.45
17.		11.48	31.97	38.		9.36	32.43
18.		11.35	31.99	40.		9.32	32.46
19.		11.07	32.00	41.		9.26	32.46

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-169
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 07:54

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.61	30.75	0	23.21	467.6	.00	.00	1494.
10	12.36	31.27	10	23.65	425.1	.45	.02	1494.
20	10.70	32.07	20	24.57	337.8	.83	.08	1489.
30	9.76	32.31	30	24.92	305.2	1.16	.16	1487.

DEEPEST MEASUREMENT:

41	9.21	32.49	41	25.15	283.5	1.48	.28	1485.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.61	30.75	22.		10.56	32.08
1.		12.61	30.75	23.		10.44	32.14
2.		12.61	30.78	24.		10.34	32.18
3.		12.61	30.77	25.		10.15	32.22
4.		12.61	30.75	26.		10.09	32.28
5.		12.61	30.76	27.		10.05	32.28
6.		12.52	30.77	28.		9.97	32.26
7.		12.43	31.19	29.		9.89	32.26
8.		12.39	31.19	30.		9.76	32.31
9.		12.39	31.22	31.		9.65	32.36
10.		12.36	31.27	32.		9.64	32.34
11.		12.36	31.29	34.		9.53	32.38
12.		12.35	31.31	35.		9.51	32.38
13.		12.30	31.41	36.		9.51	32.38
14.		12.14	31.61	37.		9.50	32.38
15.		11.56	31.94	38.		9.50	32.38
18.		11.27	31.99	39.		9.43	32.40
19.		10.88	32.07	40.		9.38	32.43
20.		10.70	32.07	41.		9.21	32.49
21.		10.68	32.06				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-170
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82
 PST 08:18

STATION 0004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.63	30.74	0	23.20	468.7	.00	.00	1494.
10	12.61	31.16	10	23.53	437.5	.46	.02	1495.
20	10.83	32.12	20	24.59	336.5	.84	.08	1490.
30	9.81	32.31	30	24.91	305.8	1.16	.16	1487.

DEEPEST MEASUREMENT:

40	9.58	32.37	40	24.99	298.2	1.46	.27	1486.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.63	30.74	20.		10.83	32.12
1.		12.63	30.74	21.		10.69	32.16
2.		12.63	30.73	22.		10.49	32.19
3.		12.64	30.73	23.		10.39	32.21
4.		12.63	30.74	24.		10.20	32.20
5.		12.63	30.76	25.		10.12	32.20
6.		12.61	30.81	26.		10.11	32.20
7.		12.63	30.92	27.		9.97	32.23
8.		12.58	31.01	28.		9.94	32.26
9.		12.61	31.10	29.		9.83	32.31
10.		12.61	31.16	30.		9.81	32.31
11.		12.59	31.20	31.		9.75	32.29
12.		12.57	31.41	34.		9.75	32.30
13.		12.50	31.55	35.		9.71	32.33
14.		12.27	31.69	36.		9.68	32.32
15.		11.96	31.85	37.		9.65	32.33
16.		11.64	32.13	38.		9.65	32.34
17.		11.18	32.11	39.		9.64	32.35
18.		11.07	32.08	40.		9.58	32.37
19.		10.95	32.10				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-171
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 08:42

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.65	31.04	0	23.43	446.8	.00	.00	1495.
10	12.60	31.20	10	23.55	434.7	.45	.02	1495.
20	10.97	32.05	20	24.51	343.6	.83	.08	1490.
30	9.91	32.28	30	24.87	309.5	1.15	.16	1487.

DEEPEST MEASUREMENT:

42	9.26	32.56	42	25.19	279.0	1.50	.29	1485.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.65	31.04	22.		10.75	32.08
1.		12.65	30.98	23.		10.55	32.10
2.		12.64	30.91	24.		10.36	32.18
3.		12.64	30.88	25.		10.34	32.18
4.		12.65	30.93	27.		10.32	32.25
5.		12.63	30.98	28.		10.01	32.28
6.		12.59	31.10	29.		9.95	32.29
7.		12.57	31.11	30.		9.91	32.28
8.		12.57	31.12	31.		9.89	32.29
9.		12.58	31.18	32.		9.88	32.29
10.		12.60	31.20	33.		9.86	32.31
11.		12.65	31.21	34.		9.84	32.30
12.		12.62	31.64	35.		9.82	32.29
13.		12.45	31.81	36.		9.81	32.31
14.		12.25	31.85	37.		9.81	32.30
15.		11.93	31.88	38.		9.81	32.29
17.		11.47	31.95	39.		9.80	32.29
18.		11.27	32.04	40.		9.79	32.32
19.		11.18	32.04	41.		9.49	32.53
20.		10.97	32.05	42.		9.26	32.56

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-172
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 09:00

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.66	30.80	0	23.24	464.8	.00	.00	1494.
10	12.54	31.10	10	23.49	440.9	.46	.02	1495.
20	10.72	32.11	20	24.60	334.9	.85	.08	1490.
30	10.03	32.29	30	24.86	310.8	1.17	.16	1488.

DEEPEST MEASUREMENT:

43	9.28	32.47	43	25.12	286.1	1.56	.31	1485.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.66	30.80	22.		10.58	32.12
1.		12.66	30.80	23.		10.51	32.14
2.		12.66	30.80	24.		10.50	32.14
3.		12.66	30.82	25.		10.45	32.14
4.		12.64	30.83	26.		10.41	32.12
5.		12.64	30.86	27.		10.39	32.16
6.		12.65	30.89	28.		10.23	32.21
7.		12.62	30.93	29.		10.07	32.28
8.		12.59	30.98	30.		10.03	32.29
9.		12.54	31.06	31.		10.00	32.27
10.		12.54	31.10	32.		9.99	32.27
11.		12.56	31.10	33.		9.98	32.26
12.		12.61	31.21	34.		9.97	32.27
13.		12.59	31.30	35.		9.96	32.28
14.		12.58	31.57	36.		9.93	32.29
15.		12.11	31.92	37.		9.90	32.29
16.		11.88	31.94	38.		9.88	32.29
17.		11.73	31.97	39.		9.86	32.30
18.		11.18	32.03	40.		9.83	32.31
19.		10.96	32.09	41.		9.80	32.32
20.		10.72	32.11	42.		9.62	32.38
21.		10.61	32.11	43.		9.28	32.47

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-173
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 09:18

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.65	30.89	0	23.31	458.0	.00	.00	1495.
10	12.61	31.30	10	23.63	427.5	.45	.02	1495.
20	10.69	32.09	20	24.59	335.7	.82	.08	1489.
30	10.18	32.25	30	24.80	316.2	1.15	.16	1488.

DEEPEST MEASUREMENT:

41	9.85	32.32	41	24.91	306.0	1.49	.29	1487.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.65	30.89	20.		10.69	32.09
1.		12.65	30.89	21.		10.60	32.08
2.		12.64	30.91	22.		10.57	32.10
3.		12.64	30.96	23.		10.57	32.10
4.		12.64	30.98	24.		10.56	32.11
5.		12.63	30.99	25.		10.52	32.12
6.		12.64	31.01	26.		10.47	32.14
7.		12.60	31.03	28.		10.31	32.20
8.		12.58	31.15	29.		10.20	32.23
9.		12.58	31.21	30.		10.18	32.25
10.		12.61	31.30	31.		10.15	32.24
11.		12.64	31.36	32.		10.13	32.25
12.		12.55	31.49	33.		10.10	32.25
13.		12.46	31.83	34.		10.06	32.25
14.		12.23	31.97	35.		10.04	32.24
15.		12.08	31.97	36.		10.01	32.25
16.		12.00	31.98	37.		10.00	32.27
17.		11.58	32.03	39.		9.98	32.27
18.		11.31	32.07	40.		9.97	32.29
19.		11.02	32.08	41.		9.85	32.32

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-174
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82
 PST 09:42

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.67	30.89	0	23.30	458.5	.00	.00	1495.
10	12.56	31.55	10	23.83	407.9	.45	.02	1495.
20	10.82	32.09	20	24.57	338.4	.81	.08	1490.
30	10.47	32.16	30	24.68	327.4	1.15	.16	1489.

DEEPEST MEASUREMENT:

42	9.99	32.25	42	24.84	313.0	1.53	.30	1488.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.67	30.89	21.		10.80	32.08
1.		12.67	30.88	22.		10.80	32.08
2.		12.66	30.89	23.		10.75	32.09
3.		12.67	30.90	24.		10.73	32.09
4.		12.67	30.92	25.		10.73	32.08
5.		12.66	30.93	26.		10.73	32.10
6.		12.67	30.94	28.		10.62	32.15
7.		12.66	30.94	29.		10.52	32.18
8.		12.62	31.19	30.		10.47	32.16
9.		12.59	31.28	31.		10.28	32.18
10.		12.56	31.55	32.		10.23	32.19
11.		12.53	31.69	33.		10.22	32.21
12.		12.49	31.74	34.		10.18	32.23
13.		12.46	31.87	35.		10.16	32.21
14.		12.23	32.03	36.		10.14	32.21
15.		11.63	32.21	37.		10.08	32.22
16.		11.14	32.19	38.		10.07	32.22
17.		10.99	32.11	39.		10.05	32.24
18.		10.95	32.08	40.		10.01	32.25
19.		10.88	32.07	42.		9.99	32.25
20.		10.82	32.09				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-178
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 10:24

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.64	31.07	0	23.45	444.5	.00	.00	1495.
10	11.52	32.07	10	24.42	351.7	.41	.02	1492.
20	10.49	32.17	20	24.69	327.0	.75	.07	1489.
30	10.22	32.20	30	24.76	320.1	1.07	.15	1488.

DEEPEST MEASUREMENT:

43	9.55	32.40	43	25.02	295.3	1.47	.30	1486.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.64	31.07	21.		10.38	32.19
1.		12.64	31.07	22.		10.33	32.17
2.		12.64	31.07	23.		10.32	32.19
3.		12.63	31.08	24.		10.30	32.21
4.		12.62	31.08	25.		10.27	32.22
5.		12.58	31.14	26.		10.24	32.20
6.		12.48	31.41	27.		10.23	32.21
7.		12.12	31.89	28.		10.23	32.19
8.		11.84	32.03	29.		10.22	32.20
9.		11.57	32.07	30.		10.22	32.20
10.		11.52	32.07	31.		10.22	32.22
11.		11.52	32.03	32.		10.21	32.20
12.		11.49	32.03	34.		10.20	32.20
13.		11.46	32.05	35.		10.21	32.20
14.		11.24	32.10	36.		10.20	32.22
15.		10.88	32.09	37.		9.99	32.24
16.		10.79	32.11	38.		9.90	32.29
17.		10.73	32.13	39.		9.84	32.31
18.		10.62	32.14	40.		9.64	32.35
19.		10.58	32.16	43.		9.55	32.40
20.		10.49	32.17				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-180
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 10:48

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.74	30.61	0	23.07	480.4	.00	.00	1495.
10	11.61	31.98	10	24.34	359.5	.45	.02	1492.
20	10.26	32.18	20	24.74	322.2	.79	.07	1488.
30	9.61	32.36	30	24.98	299.1	1.10	.15	1486.

DEEPEST MEASUREMENT:

40	9.48	32.40	40	25.03	294.1	1.40	.26	1486.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.74	30.61	18.		10.37	32.19
1.		12.74	30.61	19.		10.30	32.17
2.		12.74	30.61	20.		10.26	32.18
3.		12.73	30.62	21.		10.23	32.18
4.		12.72	30.68	22.		10.20	32.19
5.		12.70	30.70	24.		10.14	32.27
6.		12.68	30.77	25.		10.00	32.31
7.		12.56	30.82	26.		9.83	32.35
8.		12.43	31.37	28.		9.78	32.36
9.		11.77	31.93	29.		9.73	32.37
10.		11.61	31.98	30.		9.61	32.36
11.		11.56	32.04	33.		9.58	32.36
12.		11.53	32.03	34.		9.56	32.38
13.		11.48	32.05	35.		9.57	32.38
14.		11.34	32.06	36.		9.56	32.37
15.		10.88	32.08	39.		9.54	32.40
16.		10.55	32.11	40.		9.48	32.40
17.		10.45	32.15				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-181
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 11:00

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.75	30.82	0	23.24	464.7	.00	.00	1495.
10	11.70	32.09	10	24.41	353.3	.44	.02	1493.
20	10.32	32.23	20	24.77	319.3	.77	.07	1488.
30	9.48	32.44	30	25.06	291.2	1.08	.15	1486.

DEEPEST MEASUREMENT:

42	9.35	32.44	42	25.08	289.5	1.42	.28	1485.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.75	30.82	20.		10.32	32.23
1.		12.75	30.82	21.		10.28	32.21
2.		12.75	30.82	22.		10.21	32.24
3.		12.73	30.85	24.		10.11	32.29
4.		12.71	30.90	25.		9.80	32.39
5.		12.64	31.07	26.		9.56	32.43
6.		12.61	31.16	27.		9.50	32.44
7.		12.53	31.32	29.		9.49	32.44
9.		12.19	31.77	31.		9.47	32.44
10.		11.70	32.09	32.		9.47	32.43
11.		11.60	32.11	33.		9.47	32.43
12.		11.59	32.11	34.		9.45	32.44
13.		11.53	32.09	35.		9.45	32.45
14.		11.46	32.11	36.		9.45	32.45
15.		10.86	32.13	37.		9.42	32.44
16.		10.57	32.16	39.		9.43	32.44
17.		10.39	32.20	41.		9.37	32.46
18.		10.34	32.22	42.		9.35	32.44
19.		10.33	32.21				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-182
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 11:18

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.68	30.92	0	23.33	456.2	.00	.00	1495.
10	12.07	31.75	10	24.08	384.6	.43	.02	1494.
20	10.31	32.19	20	24.73	322.4	.78	.07	1488.
30	9.28	32.45	30	25.10	287.4	1.08	.15	1485.

DEEPEST MEASUREMENT:

42	9.24	32.49	42	25.14	284.3	1.43	.28	1485.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.68	30.92	22.		10.18	32.20
1.		12.65	30.96	23.		9.90	32.29
2.		12.62	30.99	24.		9.51	32.35
3.		12.63	30.97	25.		9.51	32.46
4.		12.59	31.04	26.		9.28	32.48
6.		12.52	31.20	27.		9.29	32.47
7.		12.29	31.46	28.		9.32	32.48
8.		12.10	31.69	29.		9.30	32.46
9.		12.09	31.74	30.		9.28	32.45
10.		12.07	31.75	31.		9.27	32.46
11.		12.06	31.76	33.		9.27	32.47
12.		12.03	31.80	34.		9.26	32.48
14.		11.71	32.00	36.		9.26	32.49
15.		11.57	32.03	37.		9.24	32.49
16.		11.53	32.04	38.		9.24	32.48
17.		11.32	32.08	39.		9.25	32.46
18.		10.87	32.12	40.		9.24	32.48
19.		10.41	32.19	41.		9.24	32.48
20.		10.31	32.19	42.		9.24	32.49
21.		10.25	32.20				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-183
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 11:36

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.76	30.98	0	23.36	453.2	.00	.00	1495.
10	11.96	32.05	10	24.33	360.5	.43	.02	1494.
20	11.61	32.07	20	24.41	353.2	.78	.08	1493.
30	9.95	32.36	30	24.92	304.5	1.11	.16	1487.

DEEPEST MEASUREMENT:

42	9.07	32.51	42	25.18	279.9	1.46	.29	1484.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.76	30.98	21.		11.54	32.10
1.		12.76	30.98	22.		11.52	32.13
2.		12.76	30.98	23.		11.18	32.16
3.		12.73	31.00	24.		10.56	32.19
4.		12.72	31.05	25.		10.25	32.21
5.		12.70	31.07	26.		10.21	32.21
6.		12.64	31.24	27.		10.15	32.24
7.		12.56	31.40	28.		10.08	32.30
8.		12.40	31.87	29.		9.96	32.33
9.		12.16	32.06	30.		9.95	32.36
10.		11.96	32.05	31.		9.56	32.40
11.		11.78	32.03	32.		9.37	32.46
12.		11.75	32.01	35.		9.28	32.48
13.		11.76	32.01	36.		9.22	32.49
14.		11.75	32.03	37.		9.18	32.48
15.		11.73	32.05	38.		9.16	32.48
16.		11.70	32.05	39.		9.14	32.49
17.		11.71	32.03	40.		9.12	32.52
18.		11.69	32.04	41.		9.11	32.50
19.		11.69	32.06	42.		9.07	32.51
20.		11.61	32.07				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-184
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82
 PST 12:00

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.73	31.06	0	23.43	446.7	.00	.00	1495.
10	12.12	32.00	10	24.26	366.9	.41	.02	1494.
20	11.33	32.13	20	24.51	343.8	.77	.07	1492.
30	9.44	32.47	30	25.09	288.5	1.08	.15	1486.

DEEPEST MEASUREMENT:

43	8.71	32.70	43	25.38	260.9	1.44	.29	1483.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.73	31.06	23.		10.20	32.25
1.		12.73	31.06	24.		10.17	32.23
2.		12.73	31.08	25.		10.12	32.25
3.		12.72	31.09	26.		9.99	32.32
4.		12.71	31.23	27.		9.71	32.38
5.		12.64	31.42	28.		9.53	32.40
6.		12.58	31.64	29.		9.50	32.46
7.		12.42	31.90	31.		9.39	32.48
8.		12.33	31.97	32.		9.11	32.50
10.		12.12	32.00	33.		9.07	32.53
11.		11.90	32.02	34.		9.07	32.54
12.		11.89	32.04	35.		9.02	32.56
13.		11.87	32.02	36.		8.98	32.56
15.		11.85	32.03	37.		8.95	32.60
16.		11.78	32.05	38.		8.93	32.61
17.		11.74	32.08	39.		8.87	32.60
18.		11.71	32.06	40.		8.85	32.63
19.		11.56	32.07	41.		8.74	32.66
20.		11.33	32.13	42.		8.73	32.69
21.		10.79	32.19	43.		8.71	32.70
22.		10.39	32.22				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-185
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 12:18

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.80	31.02	0	23.38	451.4	.00	.00	1495.
10	11.95	31.90	10	24.22	371.1	.42	.02	1494.
20	11.17	32.05	20	24.48	346.8	.77	.07	1491.
30	9.81	32.31	30	24.91	305.8	1.09	.16	1487.

DEEPEST MEASUREMENT:

42	8.65	32.71	42	25.40	259.2	1.43	.28	1483.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.80	31.02	20.		11.17	32.05
1.		12.80	31.02	21.		11.13	32.07
2.		12.80	31.02	22.		10.95	32.17
3.		12.75	31.06	24.		10.28	32.29
4.		12.69	31.10	25.		10.14	32.28
5.		12.69	31.17	26.		10.11	32.28
6.		12.61	31.31	27.		10.08	32.29
7.		12.52	31.71	28.		10.02	32.29
8.		12.29	31.83	29.		9.92	32.30
9.		12.08	31.87	30.		9.81	32.31
10.		11.95	31.90	32.		9.65	32.38
11.		11.81	31.94	33.		9.57	32.48
12.		11.33	31.97	34.		9.30	32.48
13.		11.22	32.01	35.		9.25	32.49
14.		11.15	32.05	36.		9.12	32.57
15.		11.15	32.03	37.		9.01	32.58
16.		11.16	32.03	38.		8.99	32.59
17.		11.17	32.02	39.		8.97	32.62
18.		11.17	32.05	40.		8.79	32.66
19.		11.17	32.05	42.		8.65	32.71

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-186
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82
 PST 12:36

STATION 0004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.79	31.01	0	23.38	451.5	.00	.00	1495.
10	11.45	31.89	10	24.30	363.4	.42	.02	1492.
20	10.60	32.10	20	24.61	333.8	.76	.07	1489.
30	9.65	32.43	30	25.03	294.7	1.08	.15	1486.

DEEPEST MEASUREMENT:

42	8.39	32.77	42	25.49	250.9	1.41	.27	1482.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.79	31.01	21.		10.52	32.11
1.		12.79	31.01	22.		10.45	32.15
2.		12.75	31.06	24.		10.33	32.16
3.		12.72	31.10	25.		10.16	32.26
4.		12.70	31.17	26.		10.11	32.24
5.		12.54	31.25	27.		10.08	32.24
6.		12.46	31.38	28.		10.05	32.30
7.		12.18	31.59	30.		9.65	32.43
8.		11.83	31.83	31.		9.41	32.48
9.		11.67	31.87	32.		9.28	32.52
10.		11.45	31.89	33.		9.18	32.54
11.		11.42	31.91	34.		9.04	32.56
12.		11.31	31.98	35.		8.96	32.57
13.		11.02	32.03	36.		8.84	32.63
14.		10.90	32.04	37.		8.67	32.69
15.		10.77	32.05	38.		8.54	32.71
16.		10.75	32.06	39.		8.51	32.73
17.		10.73	32.06	40.		8.44	32.77
18.		10.73	32.07	41.		8.42	32.77
19.		10.66	32.08	42.		8.39	32.77
20.		10.60	32.10				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-187
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 13:00

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.81	31.16	0	23.48	441.1	.00	.00	1495.
10	11.44	31.90	10	24.31	362.9	.41	.02	1492.
20	10.33	32.17	20	24.71	324.2	.75	.07	1488.
30	9.31	32.48	30	25.12	285.7	1.06	.15	1485.

DEEPEST MEASUREMENT:

44	8.29	32.77	44	25.51	249.2	1.43	.29	1482.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.81	31.16	21.		10.19	32.19
1.		12.81	31.16	22.		10.11	32.23
2.		12.81	31.19	24.		10.06	32.26
3.		12.76	31.21	25.		9.98	32.31
4.		12.72	31.22	26.		9.85	32.35
5.		12.64	31.22	27.		9.48	32.44
6.		12.32	31.53	28.		9.38	32.45
7.		12.12	31.71	30.		9.31	32.48
8.		11.90	31.85	31.		9.10	32.53
9.		11.65	31.87	32.		9.04	32.54
10.		11.44	31.90	33.		8.95	32.54
11.		11.22	31.96	34.		8.84	32.60
12.		11.02	32.03	35.		8.74	32.64
14.		10.94	32.06	36.		8.71	32.65
15.		10.66	32.08	37.		8.70	32.66
16.		10.54	32.10	38.		8.62	32.68
17.		10.44	32.12	39.		8.51	32.73
18.		10.39	32.14	41.		8.30	32.75
19.		10.37	32.15	43.		8.30	32.78
20.		10.33	32.17	44.		8.29	32.77

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-188
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STD CAST
 GUIDELINE WAS USED

DATE 23/09/82
 PST 13:18

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.97	31.12	0	23.42	446.9	.00	.00	1496.
10	11.69	31.89	10	24.26	367.6	.42	.02	1493.
20	10.09	32.23	20	24.80	316.2	.76	.07	1487.
30	9.11	32.53	30	25.19	279.1	1.05	.15	1484.

DEEPEST MEASUREMENT:

42	8.29	32.83	42	25.55	244.7	1.37	.26	1482.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.97	31.12	21.		10.01	32.25
1.		12.97	31.12	22.		9.86	32.33
2.		12.97	31.12	23.		9.76	32.40
3.		12.91	31.14	24.		9.66	32.43
4.		12.86	31.17	25.		9.52	32.49
5.		12.79	31.17	26.		9.43	32.49
6.		12.78	31.17	29.		9.25	32.50
7.		12.45	31.47	30.		9.11	32.53
8.		12.04	31.75	31.		9.01	32.55
9.		11.83	31.84	32.		8.88	32.61
11.		11.55	31.94	34.		8.85	32.60
12.		11.20	31.99	35.		8.82	32.61
13.		11.06	32.05	36.		8.81	32.61
15.		10.42	32.14	39.		8.74	32.62
17.		10.25	32.14	40.		8.57	32.69
18.		10.20	32.23	41.		8.49	32.76
19.		10.14	32.21	42.		8.29	32.83
20.		10.09	32.23				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-189
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82
 PST 13:36

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.95	31.10	0	23.41	447.8	.00	.00	1496.
10	11.97	31.80	10	24.14	379.3	.43	.02	1494.
20	10.14	32.23	20	24.79	316.9	.77	.07	1488.
30	8.96	32.58	30	25.26	272.8	1.06	.15	1484.

DEEPEST MEASUREMENT:

42	8.42	32.74	42	25.46	253.6	1.38	.26	1482.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.95	31.10	19.		10.18	32.23
1.		12.95	31.10	20.		10.14	32.23
2.		12.92	31.10	22.		10.08	32.28
3.		12.89	31.12	23.		9.92	32.31
4.		12.84	31.14	26.		9.68	32.41
5.		12.79	31.19	27.		9.40	32.44
6.		12.66	31.32	28.		9.31	32.44
7.		12.52	31.43	29.		9.12	32.50
8.		12.22	31.67	30.		8.96	32.58
9.		12.09	31.73	31.		8.89	32.60
10.		11.97	31.80	32.		8.82	32.64
11.		11.53	31.94	33.		8.77	32.62
12.		11.44	31.96	34.		8.74	32.64
13.		11.24	31.98	36.		8.70	32.66
14.		11.02	32.07	37.		8.60	32.70
15.		10.89	32.09	38.		8.56	32.72
16.		10.53	32.13	39.		8.50	32.70
17.		10.47	32.18	42.		8.42	32.74
18.		10.30	32.23				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-190
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 14:00

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.83	31.29	0	23.58	432.1	.00	.00	1496.
10	12.13	31.73	10	24.05	387.2	.42	.02	1494.
20	10.23	32.25	20	24.79	316.7	.76	.07	1488.
30	9.13	32.52	30	25.18	280.2	1.06	.15	1484.

DEEPEST MEASUREMENT:

43	8.20	32.82	43	25.56	244.1	1.40	.27	1482.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.83	31.29	21.		10.03	32.27
1.		12.83	31.29	22.		9.98	32.29
2.		12.83	31.26	23.		9.86	32.29
3.		12.84	31.23	24.		9.86	32.32
4.		12.81	31.25	25.		9.76	32.34
5.		12.79	31.27	26.		9.63	32.37
6.		12.70	31.34	27.		9.56	32.41
7.		12.45	31.54	28.		9.41	32.48
8.		12.26	31.67	29.		9.22	32.49
9.		12.24	31.68	31.		9.04	32.54
10.		12.13	31.73	32.		8.93	32.60
12.		11.44	31.90	33.		8.85	32.60
13.		11.07	31.99	34.		8.71	32.63
14.		10.76	32.09	36.		8.61	32.67
15.		10.59	32.11	38.		8.50	32.73
16.		10.52	32.15	39.		8.43	32.76
17.		10.47	32.15	40.		8.22	32.81
18.		10.33	32.18	41.		8.20	32.81
19.		10.29	32.19	43.		8.20	32.82
20.		10.23	32.25				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-191
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 14:18

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.04	31.10	0	23.39	450.1	.00	.00	1496.
10	12.97	31.21	10	23.49	440.8	.45	.02	1496.
20	12.33	31.68	20	23.97	394.8	.86	.09	1495.
30	10.55	32.12	30	24.64	331.5	1.23	.18	1489.

DEEPEST MEASUREMENT:

41	9.15	32.53	41	25.19	279.4	1.57	.30	1485.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		13.04	31.10	20.		12.33	31.68
1.		13.04	31.10	21.		12.27	31.69
2.		13.04	31.10	22.		12.17	31.73
3.		13.04	31.11	23.		12.14	31.73
4.		13.04	31.13	24.		12.07	31.75
5.		13.01	31.13	25.		11.82	31.79
6.		13.04	31.13	26.		11.49	31.88
7.		13.05	31.14	28.		11.12	32.01
8.		13.02	31.16	29.		10.74	32.08
9.		13.00	31.18	30.		10.55	32.12
10.		12.97	31.21	31.		10.46	32.15
11.		12.83	31.23	33.		10.26	32.23
12.		12.80	31.25	34.		10.02	32.29
13.		12.75	31.34	36.		9.87	32.33
14.		12.70	31.40	37.		9.65	32.39
15.		12.69	31.43	38.		9.55	32.41
16.		12.67	31.46	39.		9.51	32.44
17.		12.52	31.59	40.		9.38	32.48
18.		12.38	31.65	41.		9.15	32.53
19.		12.36	31.66				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-192
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82
 PST 14:36

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.98	31.16	0	23.45	444.2	.00	.00	1496.
10	12.72	31.42	10	23.70	420.6	.44	.02	1496.
20	11.37	31.90	20	24.33	361.3	.83	.08	1492.
30	9.87	32.34	30	24.92	304.9	1.16	.16	1487.

DEEPEST MEASUREMENT:

43	8.57	32.69	43	25.40	259.0	1.53	.30	1483.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.98	31.16	23.		10.81	32.08
1.		12.98	31.16	24.		10.70	32.15
2.		12.98	31.16	25.		10.57	32.18
3.		13.00	31.16	26.		10.40	32.22
4.		13.01	31.17	27.		10.21	32.27
5.		13.00	31.20	28.		10.08	32.29
7.		12.97	31.23	29.		9.98	32.31
8.		12.87	31.24	30.		9.87	32.34
9.		12.78	31.34	31.		9.81	32.36
10.		12.72	31.42	32.		9.76	32.37
11.		12.70	31.47	33.		9.59	32.41
12.		12.58	31.54	34.		9.56	32.42
13.		12.43	31.66	35.		9.56	32.43
14.		12.39	31.67	36.		9.35	32.44
15.		12.33	31.69	37.		9.23	32.48
16.		12.23	31.74	38.		9.16	32.53
17.		12.16	31.77	39.		9.06	32.58
19.		11.62	31.84	40.		9.01	32.56
20.		11.37	31.90	41.		8.95	32.58
21.		11.24	31.98	42.		8.85	32.60
22.		10.91	32.05	43.		8.57	32.69

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-193
 POSITION 51-30.0N, 128-54.4W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 15:00

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.97	31.17	0	23.46	443.1	.00	.00	1496.
10	12.78	31.28	10	23.58	431.8	.44	.02	1496.
20	12.43	31.62	20	23.91	400.5	.86	.09	1495.
30	9.98	32.31	30	24.88	308.5	1.21	.18	1487.

DEEPEST MEASUREMENT:

42	8.81	32.61	42	25.30	268.8	1.56	.30	1484.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.97	31.17	21.		12.23	31.71
1.		12.97	31.17	22.		12.14	31.75
2.		12.97	31.17	23.		11.59	31.81
3.		12.97	31.17	24.		11.46	31.91
4.		12.95	31.19	25.		11.27	31.94
5.		12.97	31.18	26.		10.92	32.04
6.		12.88	31.24	27.		10.75	32.08
7.		12.79	31.29	28.		10.55	32.17
8.		12.78	31.31	29.		10.20	32.25
9.		12.77	31.29	30.		9.98	32.31
10.		12.78	31.28	31.		9.92	32.32
11.		12.78	31.30	33.		9.79	32.39
13.		12.76	31.41	34.		9.60	32.44
14.		12.72	31.42	35.		9.39	32.46
15.		12.72	31.43	36.		9.32	32.49
16.		12.70	31.44	37.		9.17	32.52
17.		12.70	31.48	39.		9.11	32.51
18.		12.67	31.51	41.		9.03	32.53
19.		12.51	31.62	42.		8.81	32.61
20.		12.43	31.62				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-194
 POSITION 51-35.3N, 128-54.4W
 RESULTS OF STP CAST
 GUIDELINE WAS USED

DATE 23/09/82

PST 15:54

STATION M001

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.75	30.84	0	23.25	463.4	.00	.00	1495.
10	12.33	31.24	10	23.64	427.0	.44	.02	1494.
20	11.80	32.07	20	24.37	356.7	.85	.08	1493.
30	9.79	32.34	30	24.94	303.3	1.17	.16	1487.

DEEPEST MEASUREMENT:

42	9.66	32.35	42	24.96	301.0	1.53	.30	1486.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.75	30.84	21.		11.27	32.20
1.		12.75	30.84	22.		10.28	32.23
2.		12.65	30.91	23.		10.26	32.25
3.		12.56	30.98	24.		10.25	32.27
4.		12.36	31.14	25.		10.07	32.30
5.		12.34	31.15	26.		9.98	32.37
7.		12.32	31.18	27.		9.79	32.35
8.		12.32	31.22	28.		9.80	32.34
9.		12.32	31.23	29.		9.81	32.34
10.		12.33	31.24	30.		9.79	32.34
11.		12.32	31.22	32.		9.77	32.32
12.		12.35	31.21	34.		9.76	32.29
13.		12.32	31.23	35.		9.74	32.30
14.		12.32	31.27	36.		9.71	32.35
15.		12.34	31.32	37.		9.70	32.33
16.		12.33	31.43	38.		9.70	32.34
17.		12.32	31.48	39.		9.70	32.35
18.		12.31	31.54	40.		9.69	32.34
19.		12.14	31.79	42.		9.66	32.35
20.		11.80	32.07				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-195
 POSITION 51-35.3N, 129-10.0W
 RESULTS OF STP CAST
 GUIDELINE WAS USED

DATE 23/09/82

PST 16:30

STATION 0002

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.68	31.25	0	23.58	432.2	.00	.00	1495.
10	12.69	31.53	10	23.79	412.1	.42	.02	1496.
20	12.66	31.64	20	23.88	403.8	.83	.08	1496.
30	11.33	32.02	30	24.42	352.4	1.21	.18	1492.

DEEPEST MEASUREMENT:

40	9.72	32.38	40	24.98	299.7	1.54	.30	1487.
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PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.68	31.25	20.		12.66	31.64
1.		12.68	31.25	21.		12.63	31.66
2.		12.68	31.27	22.		12.62	31.67
3.		12.66	31.29	24.		12.57	31.68
4.		12.64	31.36	25.		12.50	31.71
5.		12.65	31.38	26.		12.32	31.75
6.		12.67	31.45	27.		12.00	31.89
7.		12.67	31.46	28.		11.73	31.95
8.		12.68	31.47	29.		11.52	31.99
9.		12.70	31.52	30.		11.33	32.02
10.		12.69	31.53	31.		11.27	32.01
11.		12.70	31.58	34.		11.25	32.23
13.		12.73	31.59	36.		9.85	32.38
14.		12.73	31.63	37.		9.80	32.40
15.		12.74	31.62	38.		9.79	32.38
16.		12.78	31.64	39.		9.75	32.36
17.		12.76	31.66	40.		9.72	32.38
18.		12.74	31.64				

HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-196
 POSITION 51-35.3N, 129-18.3W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 17:00

STATION M003

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.03	31.57	0	23.76	414.8	.00	.00	1497.
10	12.68	31.58	10	23.83	408.1	.41	.02	1496.
20	12.47	31.66	20	23.94	398.5	.82	.08	1495.
30	12.14	31.80	30	24.11	382.4	1.20	.18	1494.
50	10.55	32.14	50	24.65	330.8	1.93	.48	1490.

DEEPEST MEASUREMENT:

58	9.59	32.39	58	25.01	297.0	2.19	.61	1486.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-197
 POSITION 51-32.1N, 129-23.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 17:30

STATION QC01

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.52	31.37	0	23.70	420.5	.00	.00	1495.
10	12.12	31.65	10	23.99	393.1	.41	.02	1494.
20	11.19	32.01	20	24.44	350.0	.78	.08	1491.
30	10.05	32.34	30	24.89	307.9	1.11	.16	1488.
50	8.93	32.68	50	25.33	265.7	1.67	.39	1484.

DEEPEST MEASUREMENT:

66	8.59	32.81	66	25.49	251.2	2.08	.63	1483.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-198
 POSITION 51-28.4N, 129-27.1W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82
 PST 18:00

STATION QC02

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.48	31.58	0	23.87	404.6	.00	.00	1495.
10	12.29	31.70	10	24.00	392.4	.40	.02	1495.
20	11.55	31.96	20	24.34	360.3	.78	.08	1492.
30	10.51	32.15	30	24.67	328.7	1.12	.16	1489.
50	9.95	32.30	50	24.88	309.4	1.76	.42	1488.
75	9.30	32.55	75	25.18	281.2	2.51	.90	1486.
100	8.32	32.93	99	25.62	238.9	3.16	1.47	1483.

DEEPEST MEASUREMENT:

99	8.35	32.90	98	25.60	241.3	3.14	1.45	1483.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-199
 POSITION 51-24.5N, 129-31.5W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82
 PST 18:36

STATION QC03

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.43	31.70	0	23.97	394.5	.00	.00	1495.
10	12.13	31.75	10	24.06	386.0	.39	.02	1494.
20	11.85	31.81	20	24.17	376.4	.77	.08	1493.
30	10.70	32.06	30	24.56	338.9	1.13	.17	1490.
50	9.28	32.52	50	25.16	282.4	1.76	.42	1485.
75	7.14	33.38	75	26.15	188.4	2.32	.78	1479.
100	6.74	33.66	99	26.42	162.8	2.76	1.17	1478.
125	6.56	33.79	124	26.55	151.5	3.14	1.60	1478.

DEEPEST MEASUREMENT:

143	6.53	33.82	142	26.58	148.7	3.41	1.97	1478.
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HYDROGRAPHIC SERVICE DIVISION
 REFERENCE NO. 82-02-200
 POSITION 51-19.2N, 129-38.0W
 RESULTS OF STP CAST
 GUILDLINE WAS USED

DATE 23/09/82

PST 19:18

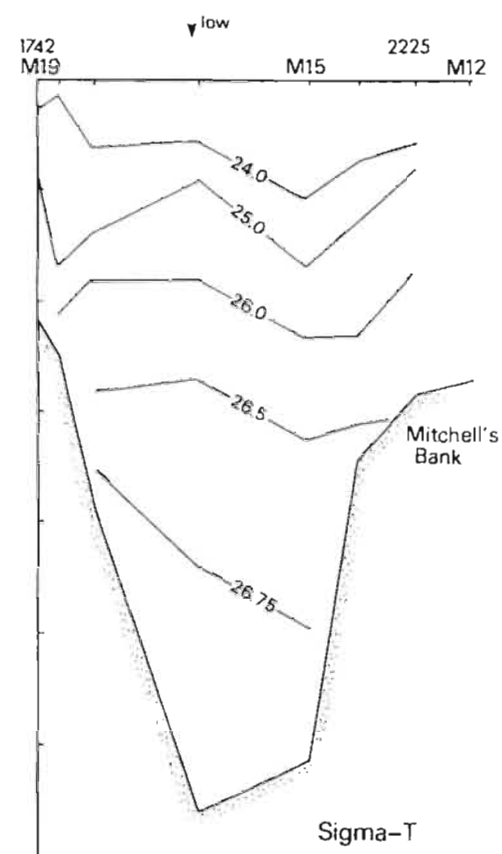
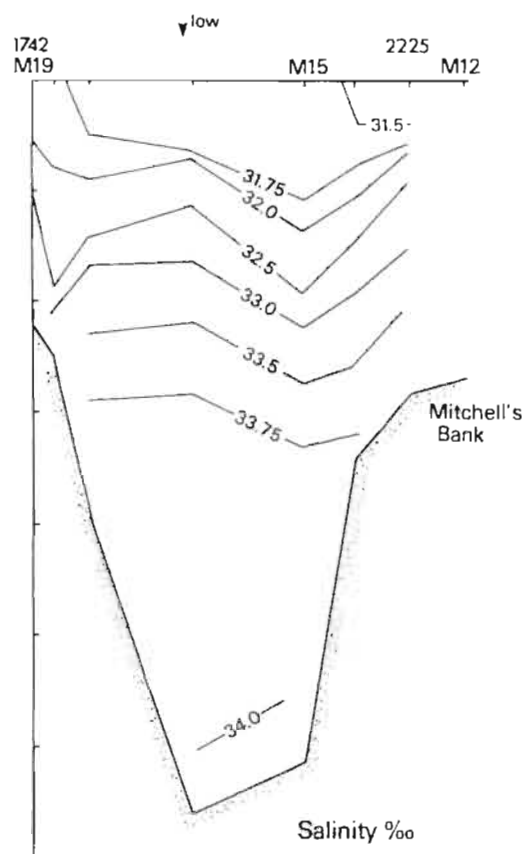
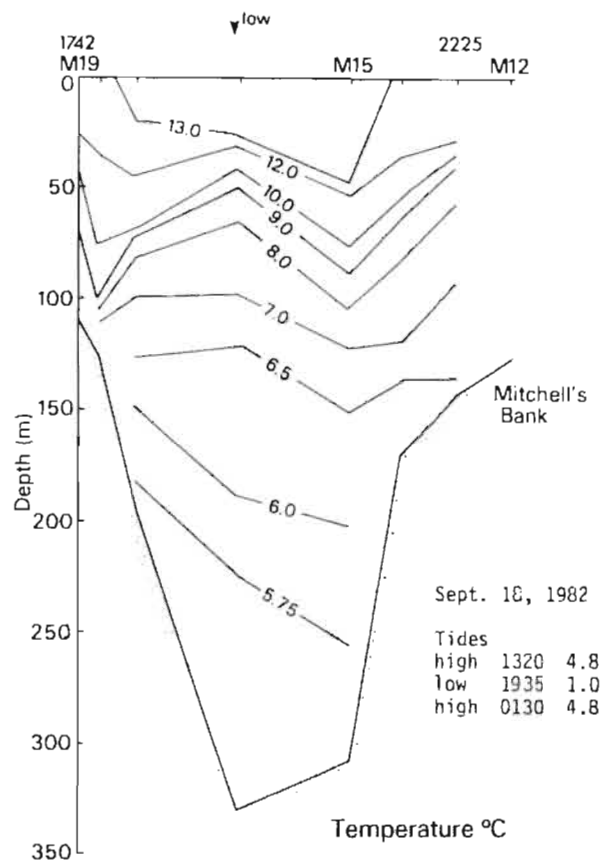
STATION QC04

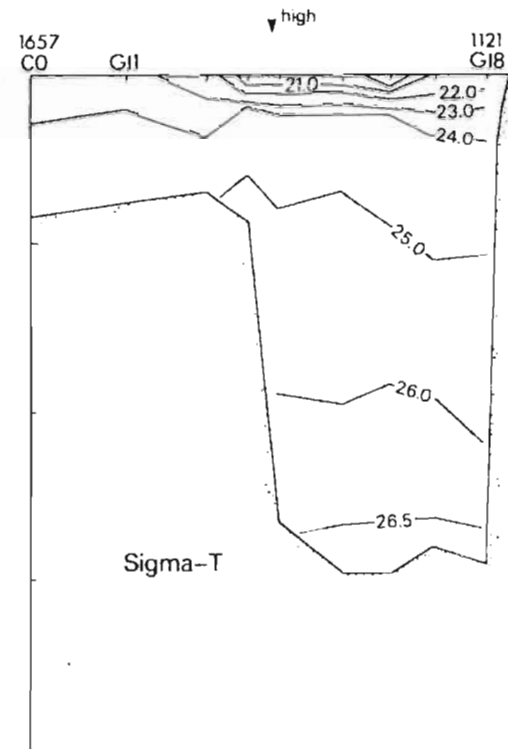
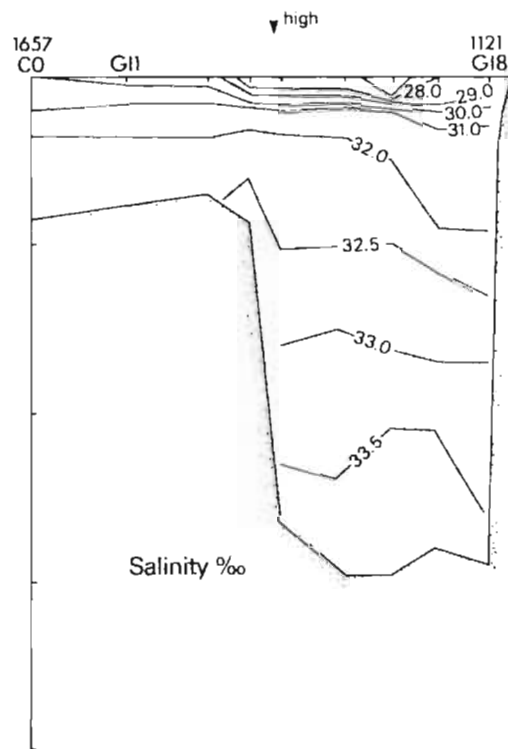
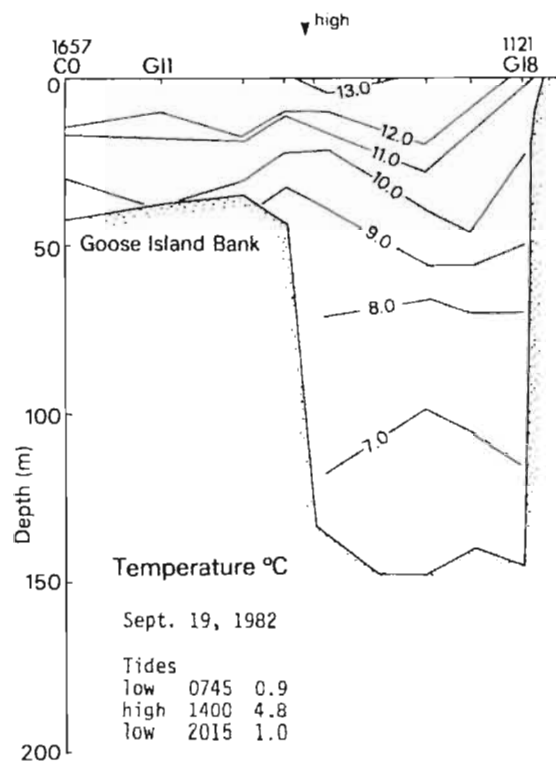
PRESSURES ARE INPUT

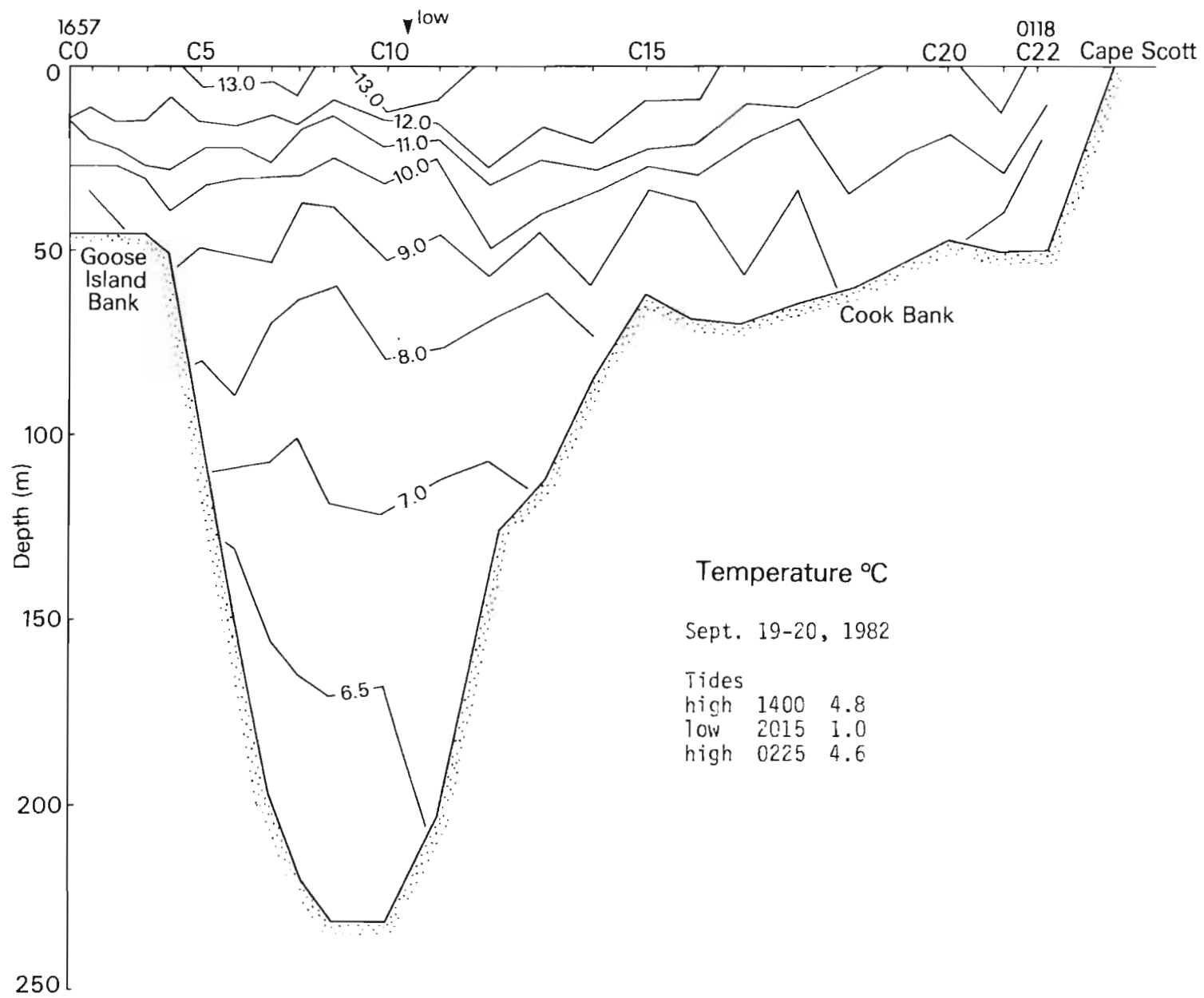
PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.76	31.34	0	23.63	427.0	.00	.00	1496.
10	12.58	31.36	10	23.68	422.2	.42	.02	1495.
20	10.37	32.14	20	24.69	327.0	.82	.08	1488.
30	9.54	32.37	30	25.00	297.3	1.13	.16	1486.
50	8.96	32.57	50	25.25	274.0	1.70	.39	1484.
75	7.51	33.07	75	25.85	217.0	2.31	.77	1480.
100	6.92	33.49	99	26.27	177.6	2.79	1.20	1478.
125	6.54	33.74	124	26.51	154.8	3.20	1.67	1478.
150	6.43	33.85	149	26.61	145.5	3.57	2.19	1478.
175	6.22	33.92	174	26.70	137.9	3.92	2.77	1477.

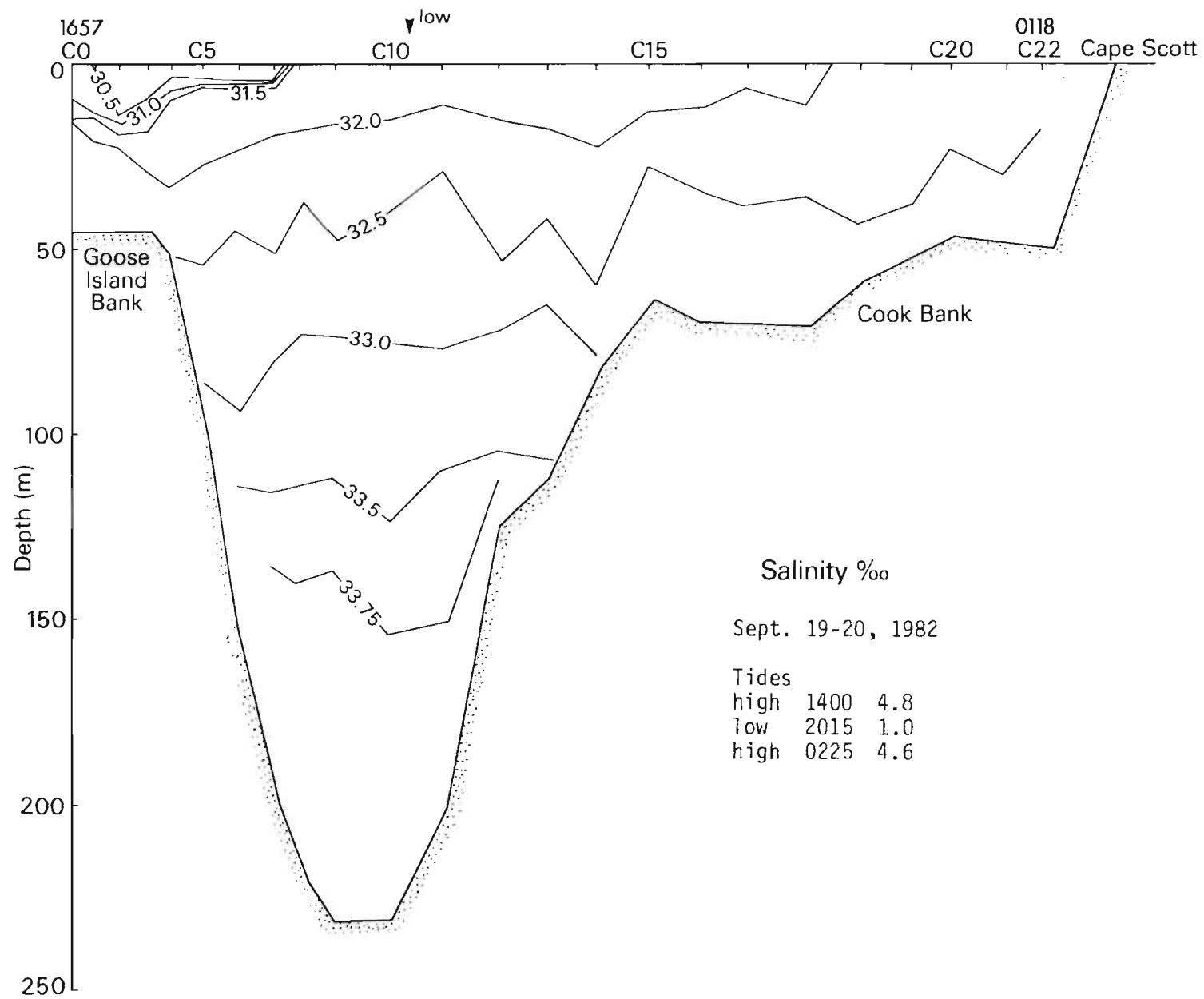
DEEPEST MEASUREMENT:

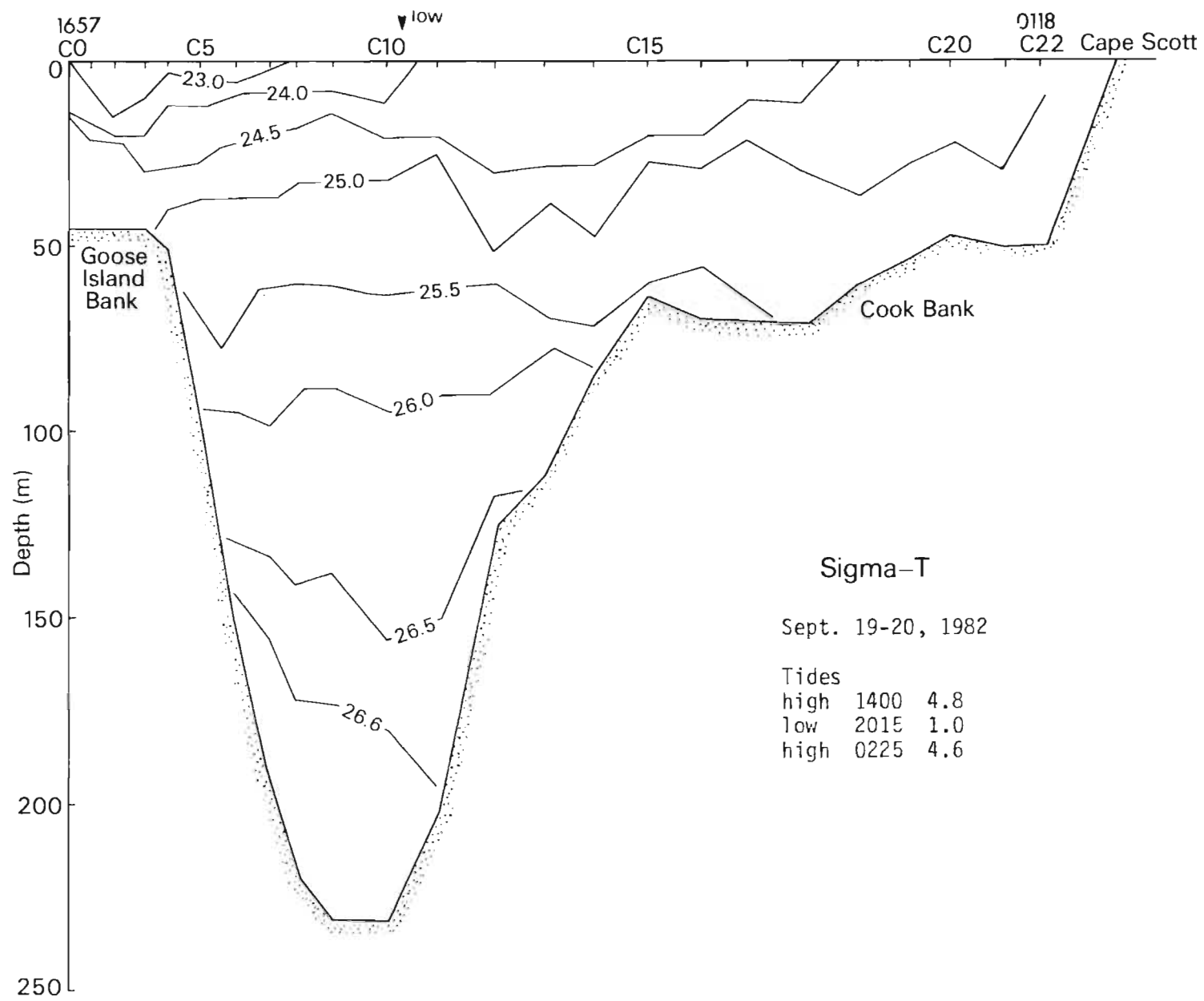
195	6.22	33.94	194	26.71	136.7	4.19	3.29	1478.
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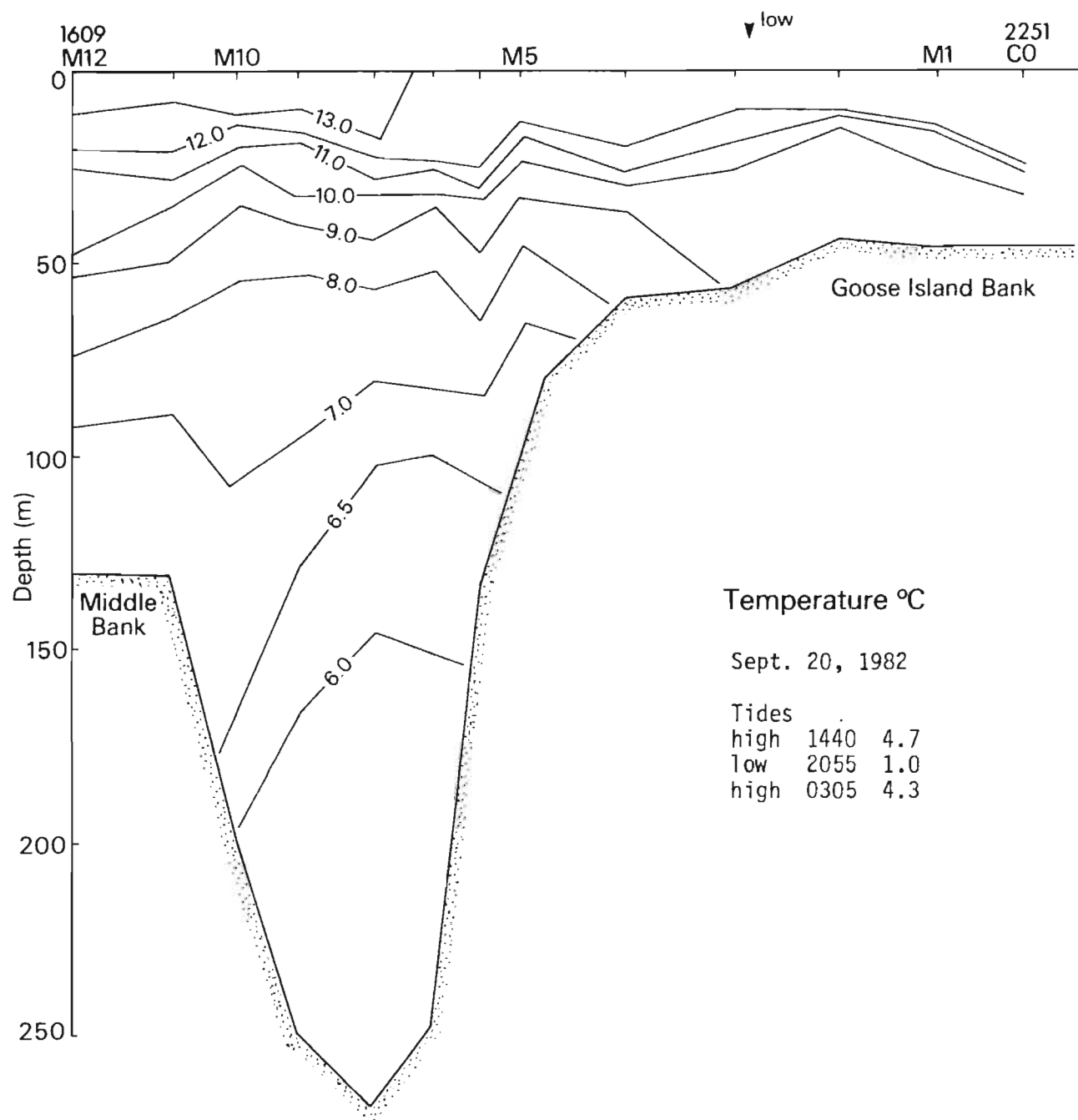


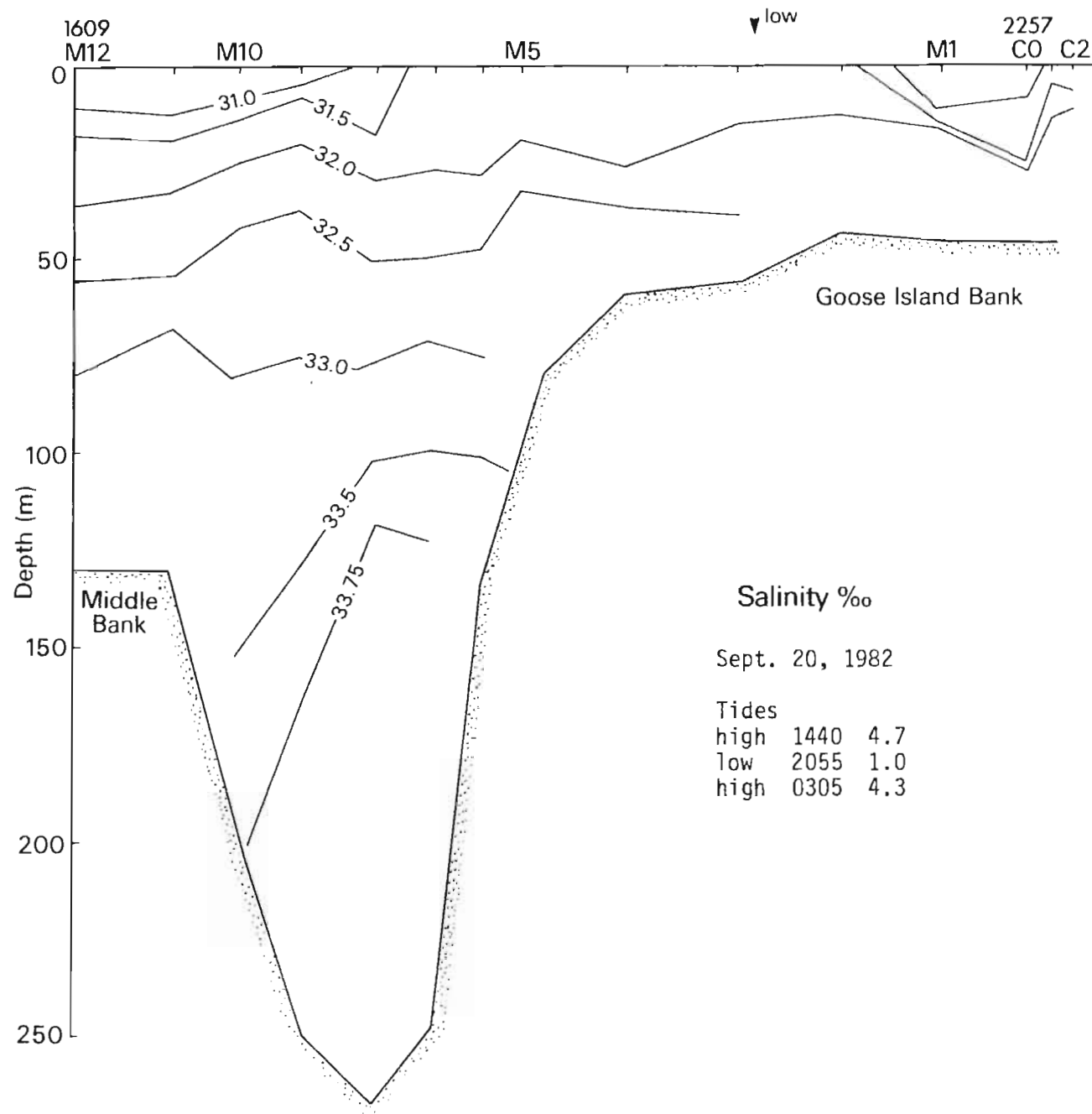


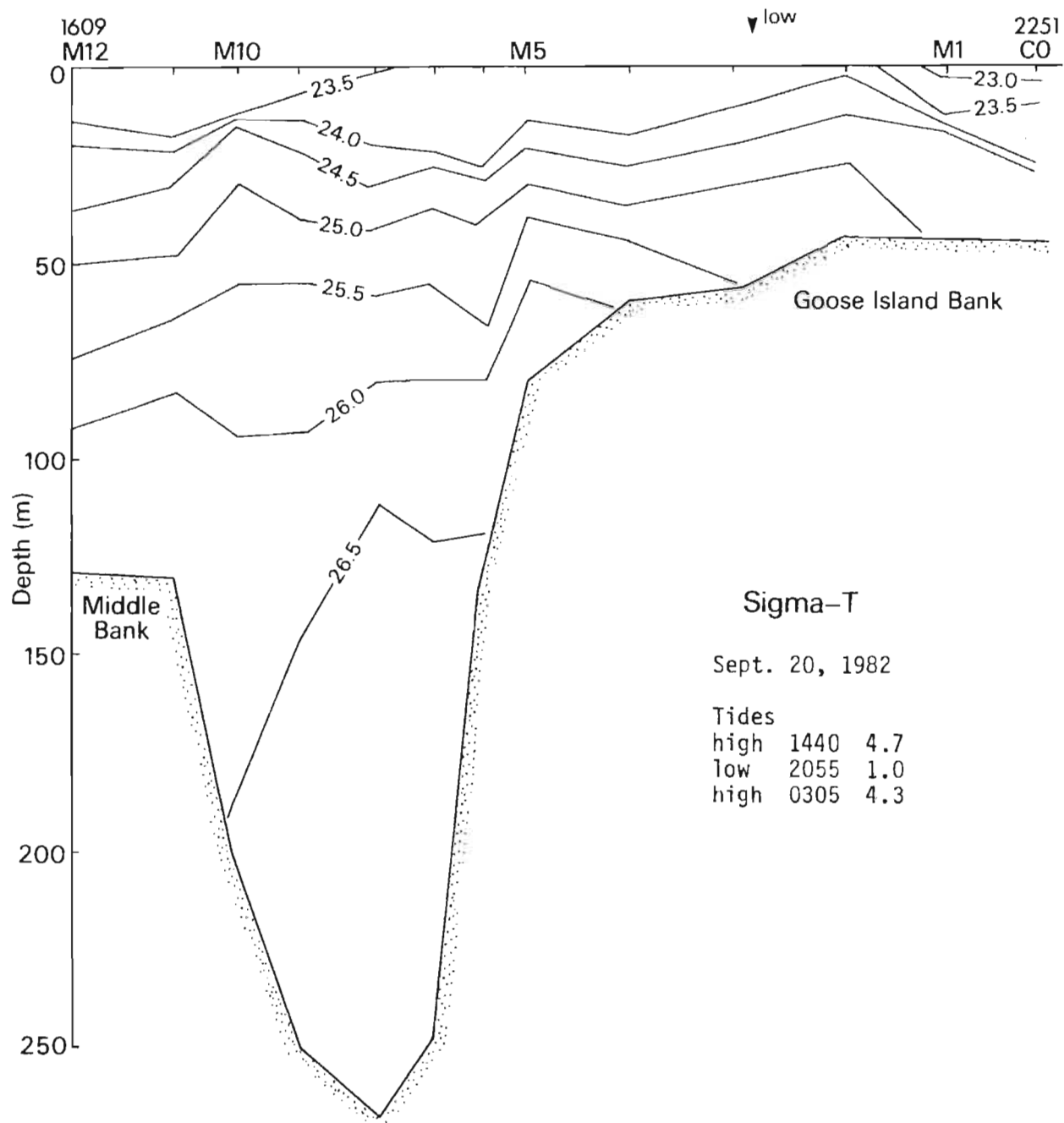


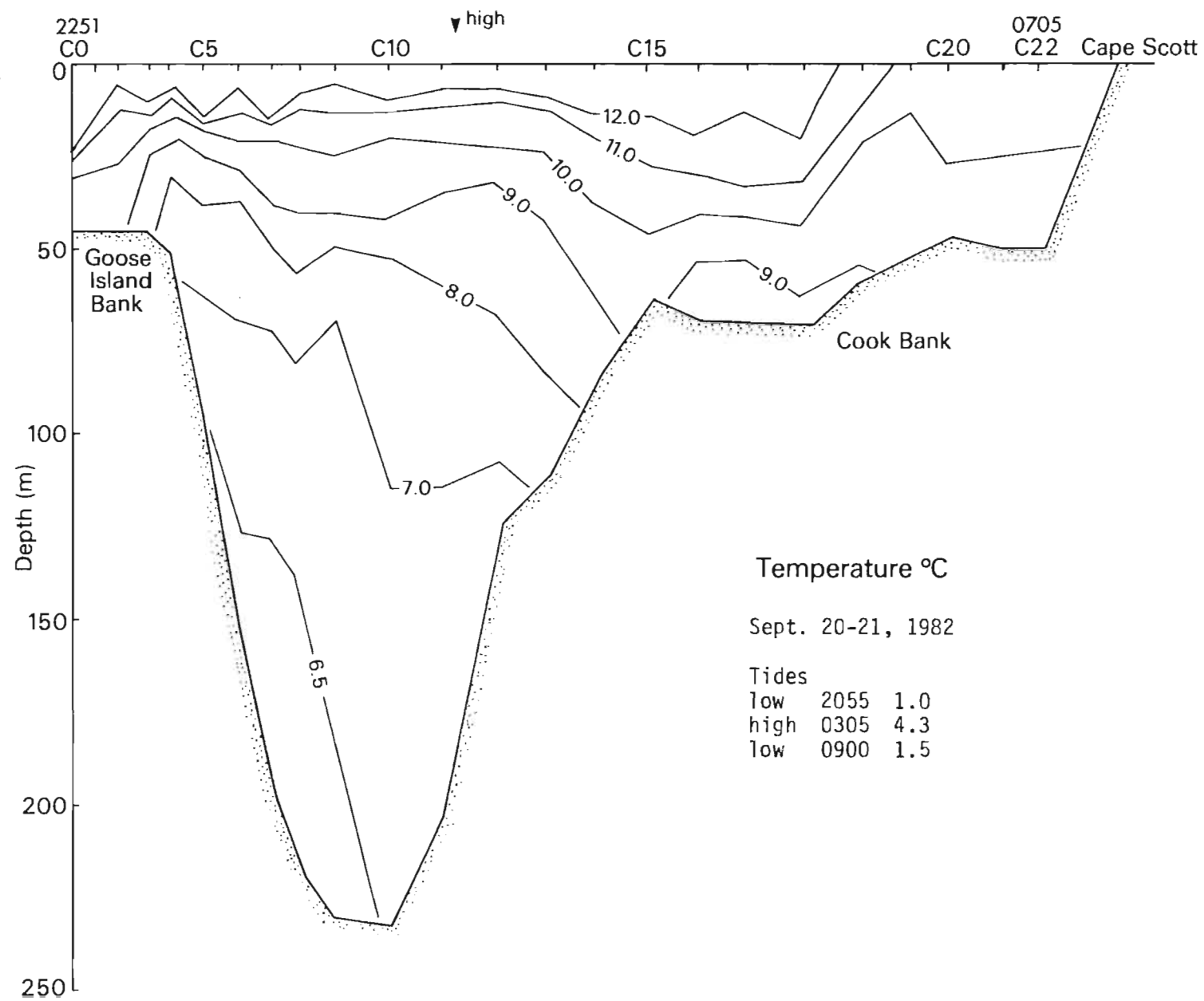


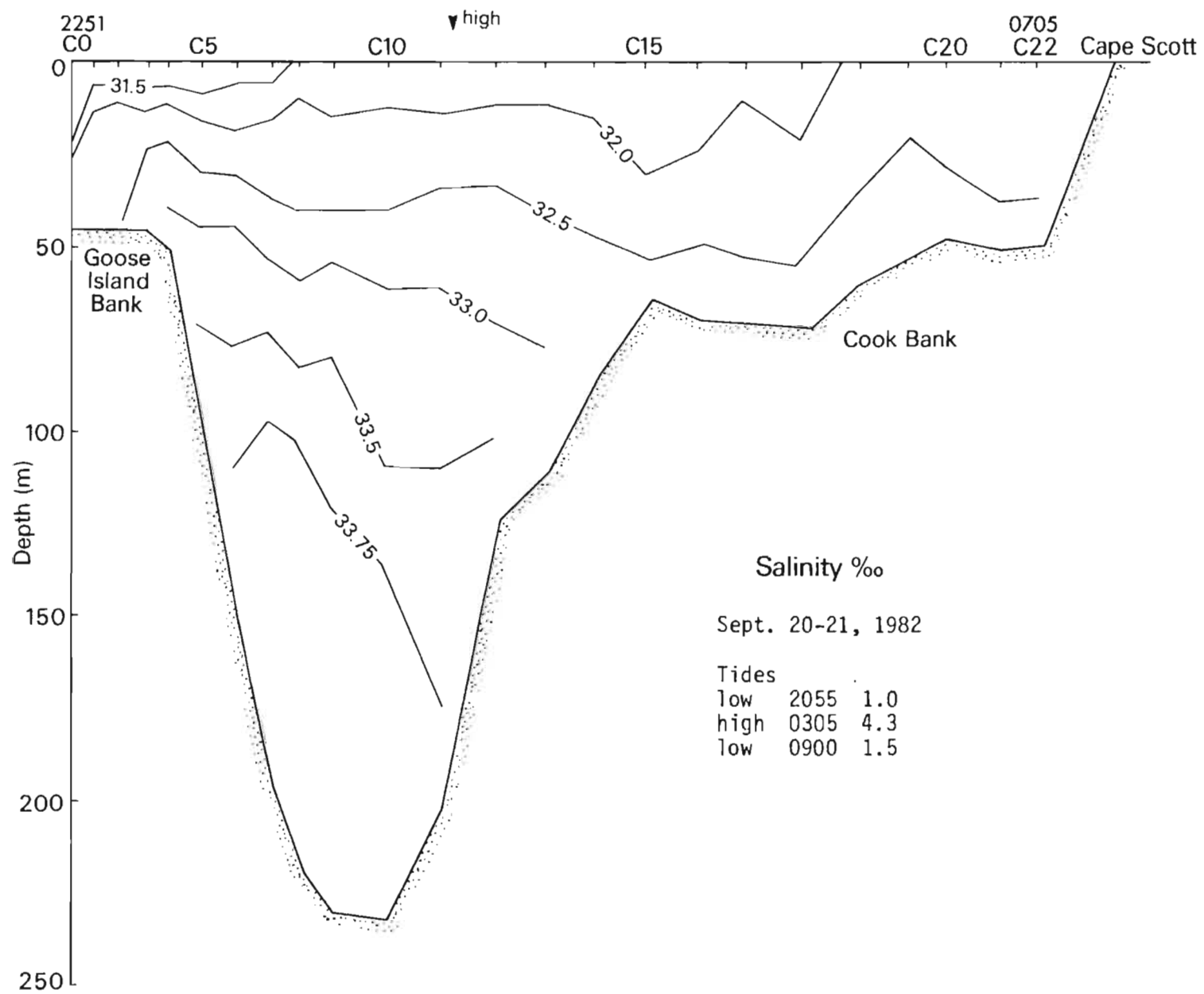


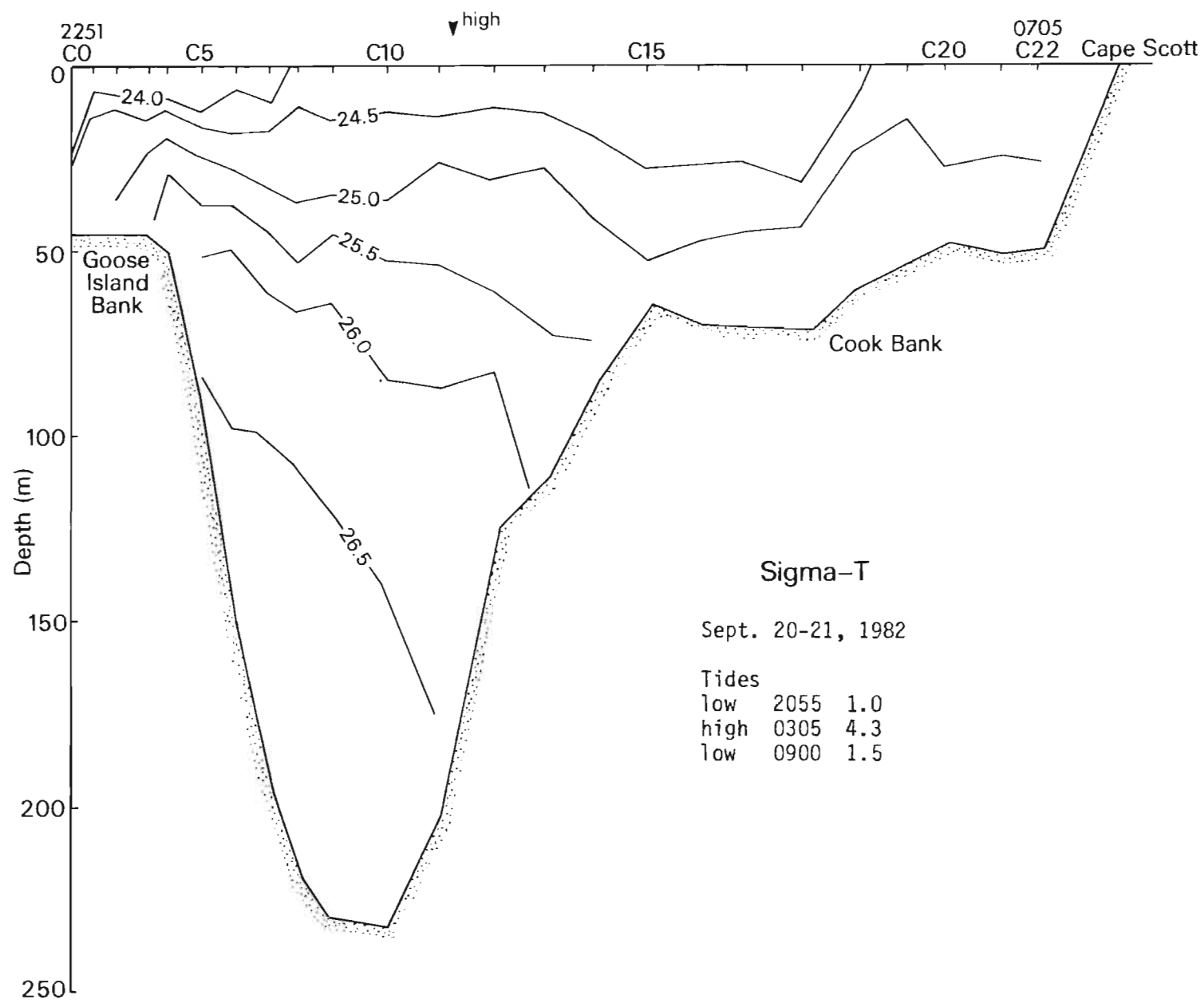


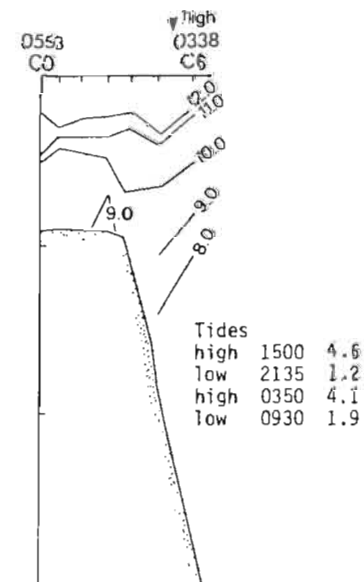
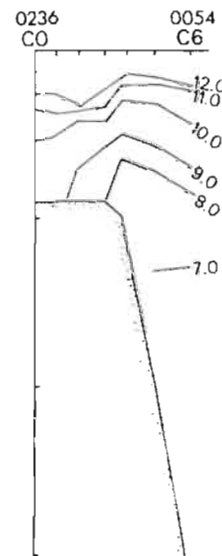
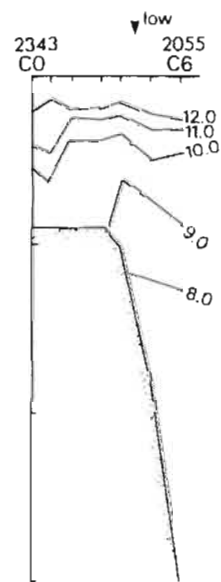
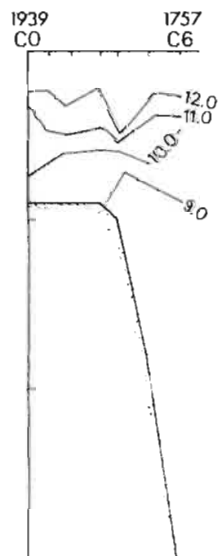
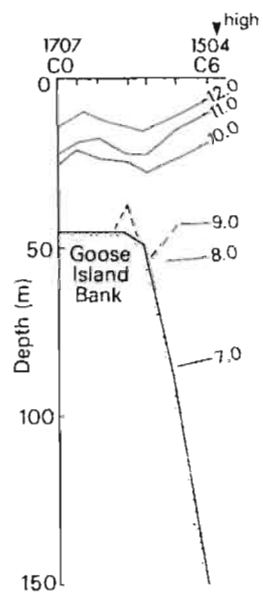






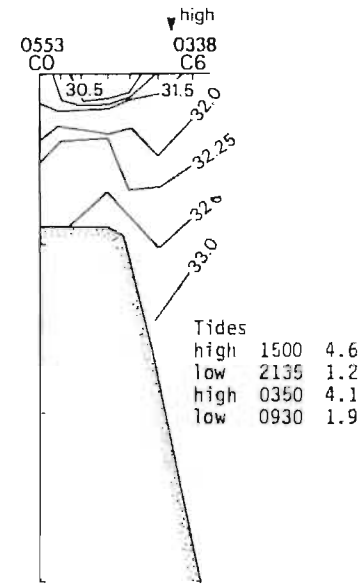
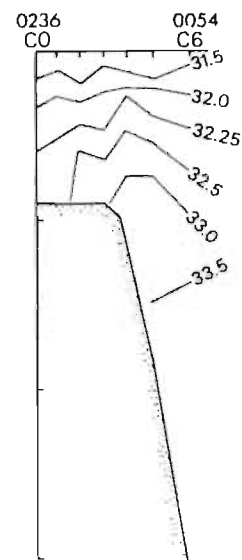
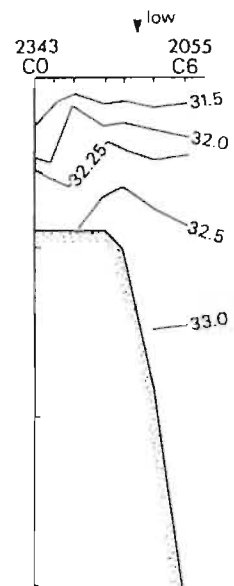
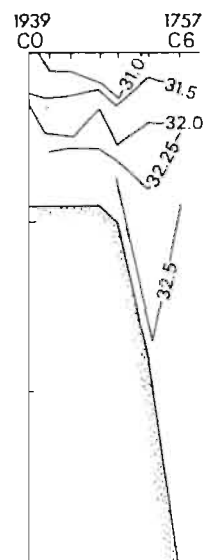
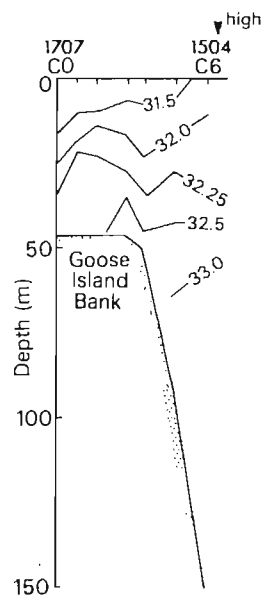






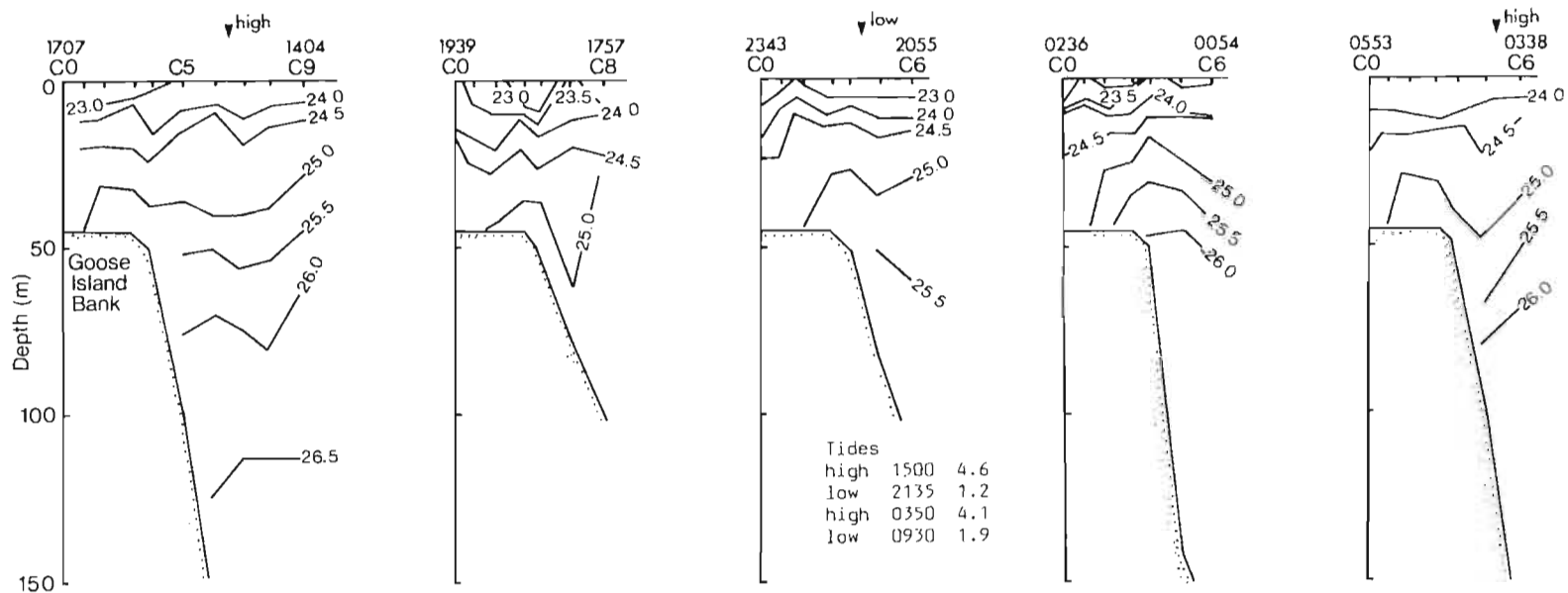
Tides		
high	1500	4.6
low	2135	1.2
high	0350	4.1
low	0930	1.9

Time Series Between C6 - C0
1504 Sept. 21 - 0553 Sept. 22, 1982
Temperature °C



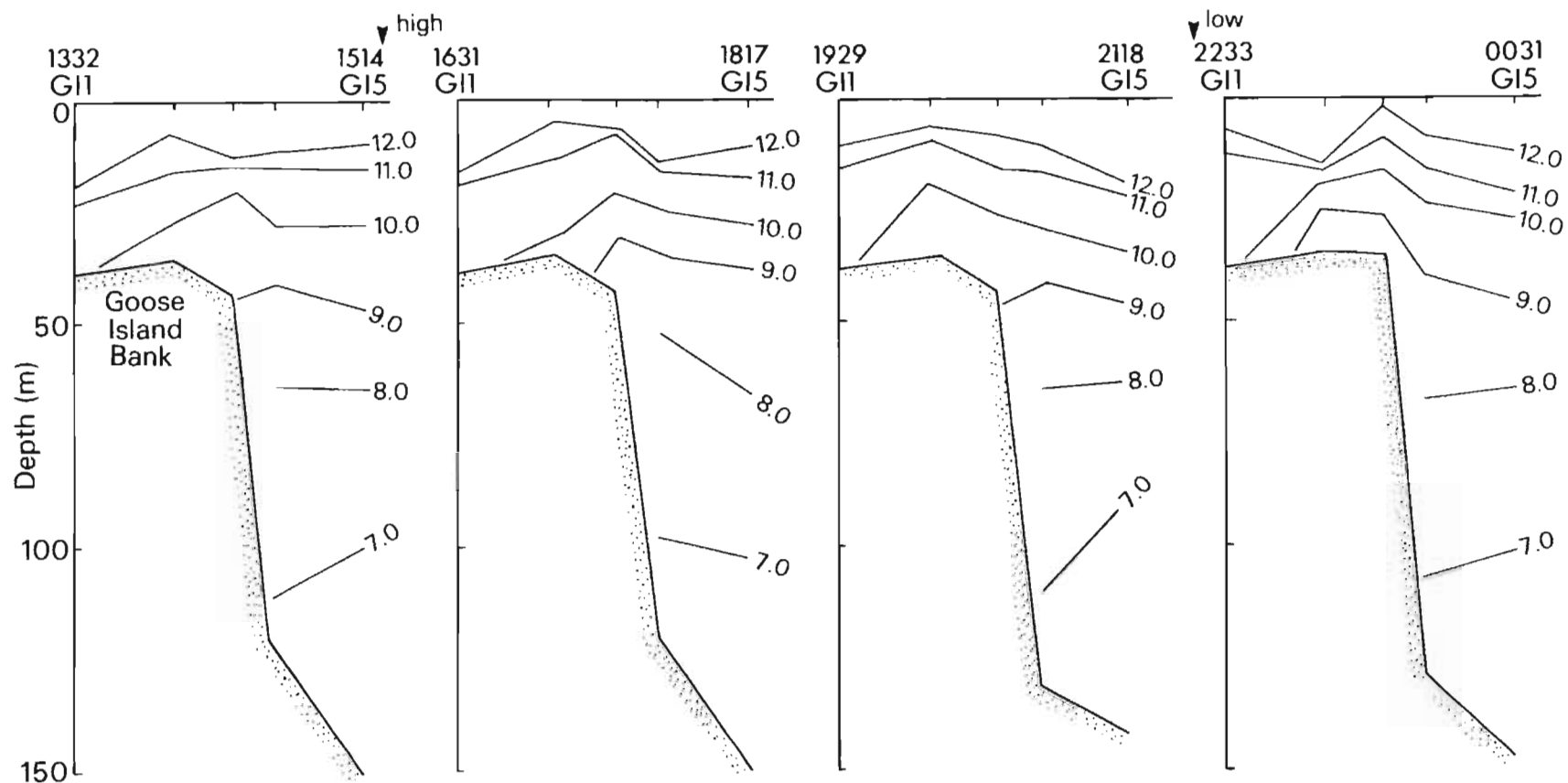
Tides		
high	1500	4.6
low	2135	1.2
high	0350	4.1
low	0930	1.9

Time Series Between C6 - C0
1504 Sept. 21 - 0553 Sept. 22, 1982
Salinity ‰



Time Series Between C9 - C0
1404 Sept. 21 - 0553 Sept. 22, 1982

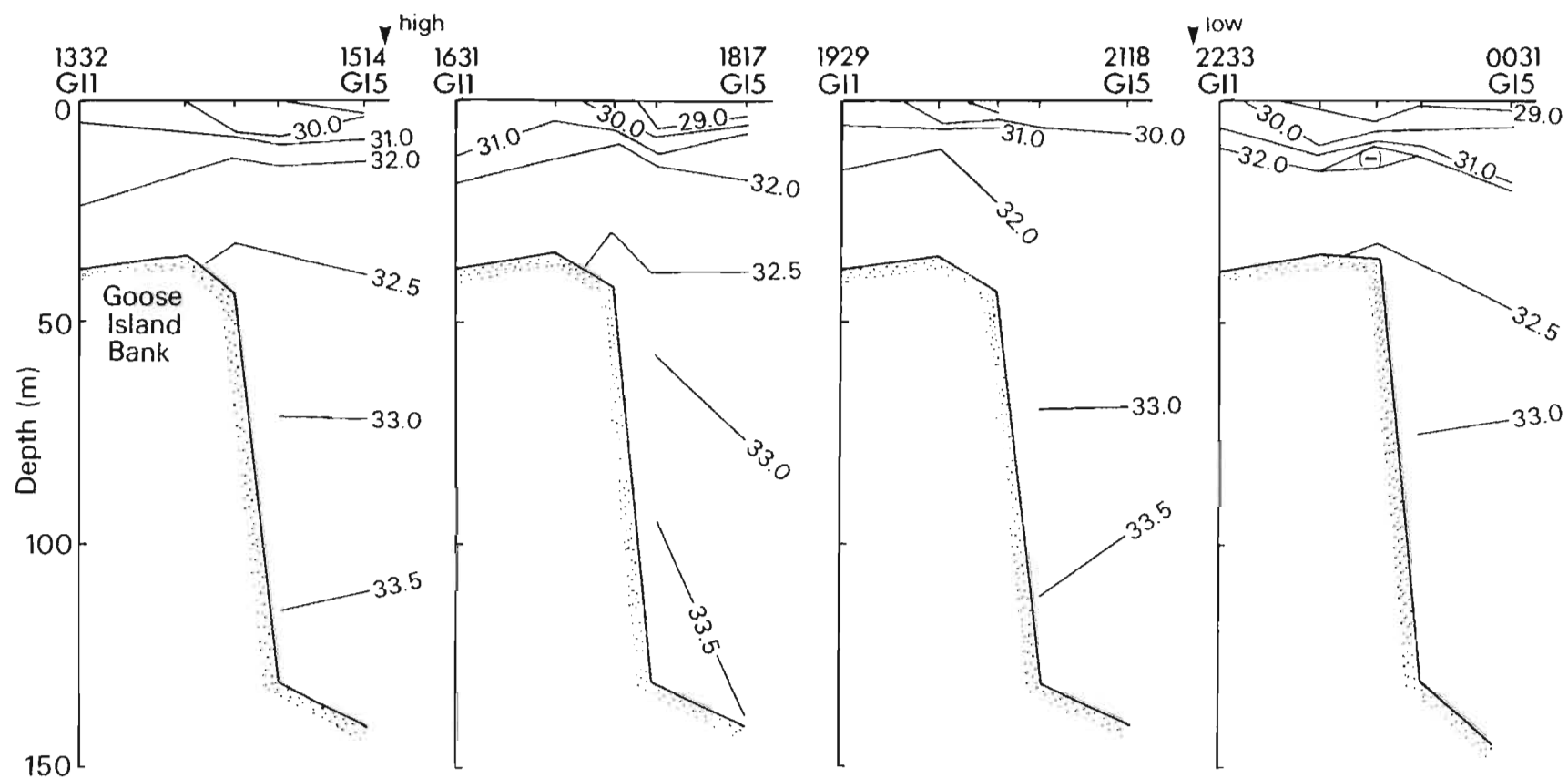
Sigma-T



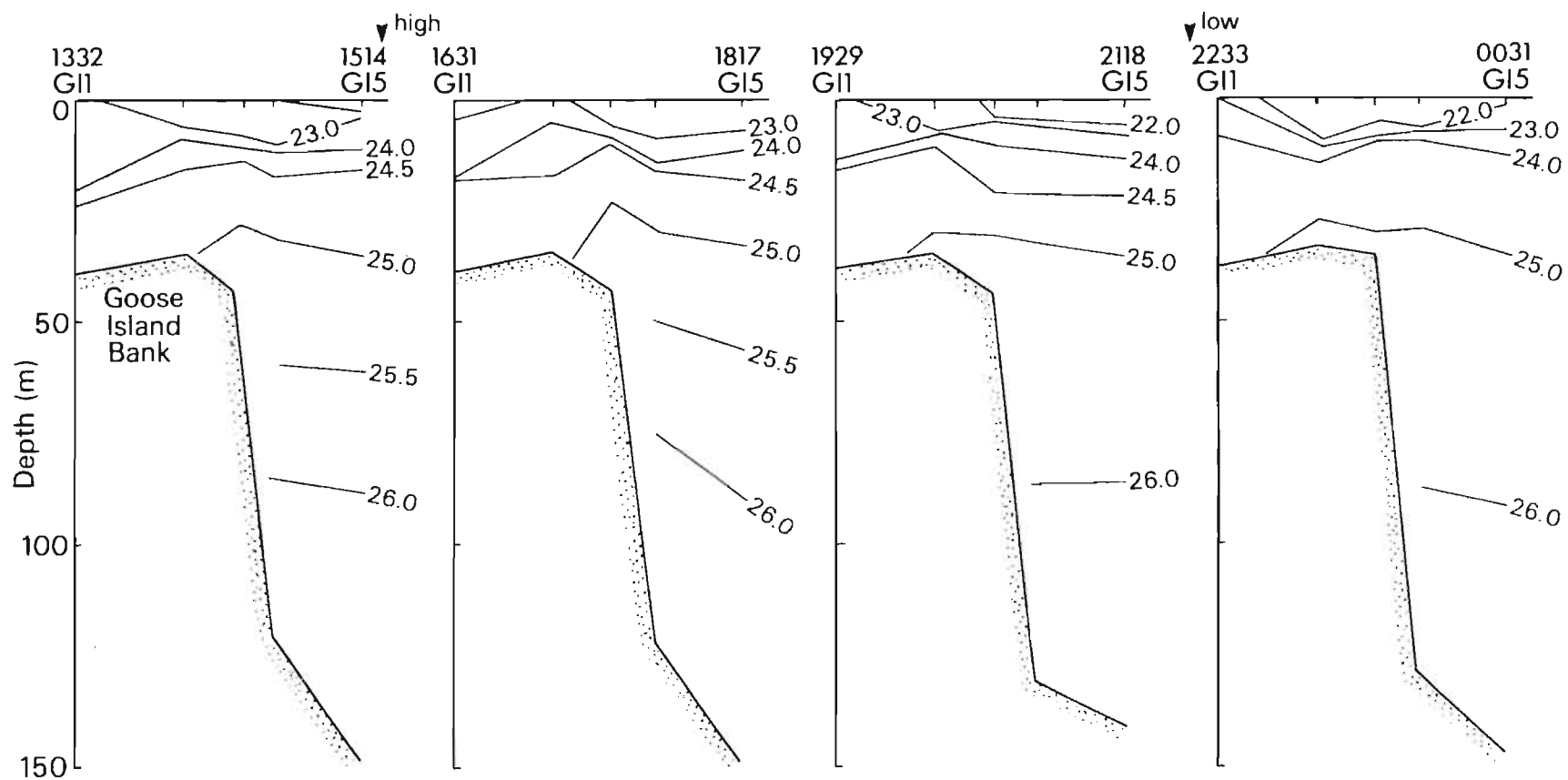
Time Series Between GI1 - GI5
1332 Sept. 22 - 0031 Sept. 23, 1982

Temperature °C

Tides		
low	0930	1.9
high	1545	4.4
low	2220	1.3
high	0440	3.8



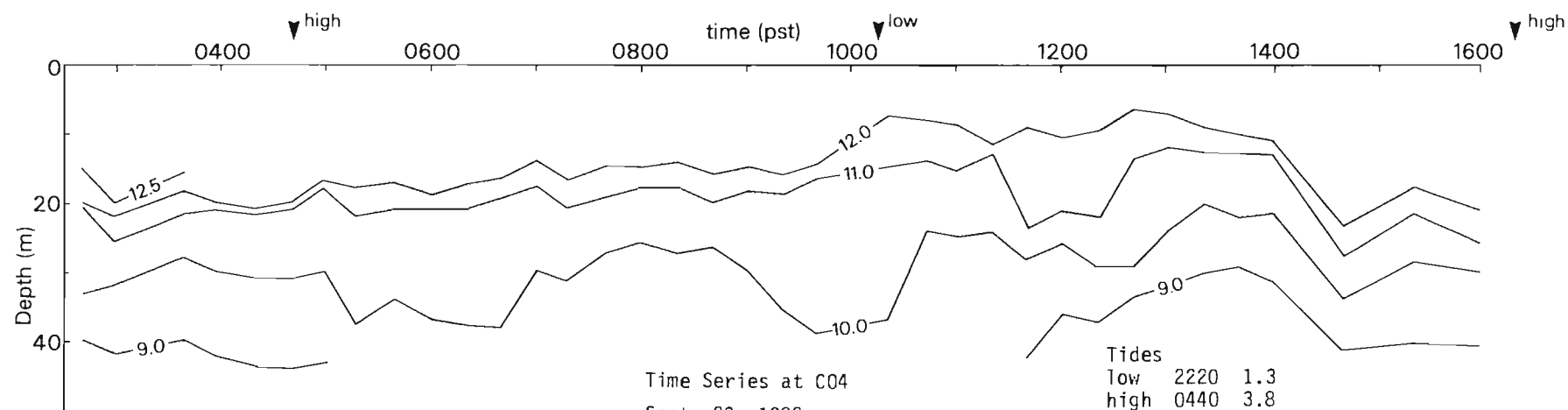
Tides		
low	0930	1.9
high	1545	4.4
low	2220	1.3
high	0440	3.8



Time Series Between GI1 - GI5
1332 Sept. 22 - 0031 Sept. 23, 1982

Sigma-T

Tides		
low	0930	1.9
high	1545	4.4
low	2220	1.3
high	0440	3.8



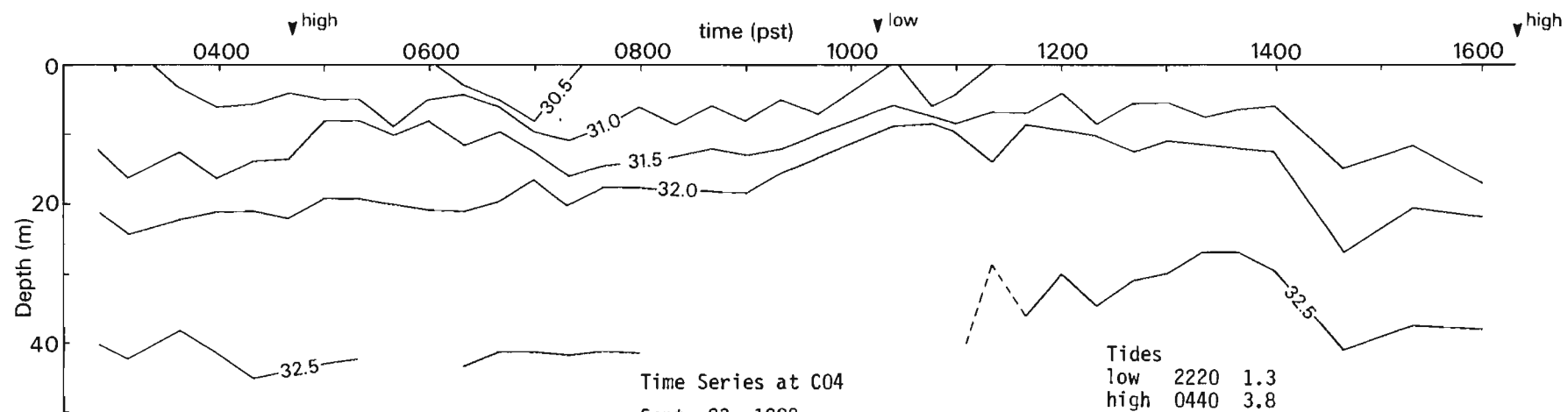
Time Series at C04

Sept. 23, 1982

Temperature °C

Tides

low	2220	1.3
high	0440	3.8
low	1015	2.2
high	1620	4.2
low	2320	1.6



Time Series at C04
 Sept. 23, 1982
 Salinity ‰

Tides		
low	2220	1.3
high	0440	3.8
low	1015	2.2
high	1620	4.2
low	2320	1.6

