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Monthly Means of Temperature and Salinity in the Scotian Shelf Region

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IN THE SCOTIAN SHELF REGION

by

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ABSTRACT

Drinkwater, K.F., and R.W. Trites. 1987. Monthly means of temperature and salinity in the Scotian Shelf region. Can. Tech. Rep. Fish. Aquat. Sci. 1539: iv + 101 p.

Monthly means of temperature and salinity in the Scotian Shelf region off the coast of Nova Scotia are presented. The region was divided into 35 subareas extending from the Laurentian Channel in the north to Georges Bank in the south and the means calculated from historical bottle data collected between 1910 and 1982. The data were linearly interpolated vertically to standard depths then averaged within the subareas by month. A graphical presentation of the mean temperature and salinity data for selected subareas are also provided.

RESUME

Drinkwater, K.F., and R.W. Trites. 1987. Monthly means of temperature and salinity in the Scotian Shelf region. Can. Tech. Rep. Fish. Aquat. Sci. 1539: iv + 101 p.

Les auteurs présentent des moyennes mensuelles de température et de salinité dans la zone de la plate-forme Neo-Ecossaise au large de la Nouvelle-Ecosse. Les données chronologiques collectées au moyen de bouteilles entre 1910 et 1982 ont été réparties en 35 sous-secteurs allant du chenal Laurentien au nord jusqu'au banc de Georges au sud. Les données ont été interpolées linéairement et verticalement à des profondeurs normalisées, puis des moyennes mensuelles ont été calculées à l'intérieur des sous-secteurs. Une présentation graphique est aussi donnée pour les données de température et de salinité dans certains des sous-secteurs.

INTRODUCTION

This report presents monthly means of temperature and salinity in the Scotian Shelf region. Previous reports of mean conditions on the Shelf were limited to data collected at a few specific locations (Drinkwater and Taylor, 1982; Smith, 1983) or to spatial averages of surface temperatures (Loucks et al., 1986). Monthly means of temperature and salinity along the Halifax Section, a standard section consisting of 7 stations running southeastward from Halifax, Nova Scotia, across the Scotian Shelf were calculated by Drinkwater and Taylor (1982). The data were collected between 1950 and 1967 using Knudsen bottles and reversing thermometers and from 1967 to 1977 with a continuous profiling CTD. Monthly means of salinity for the Browns Bank region were reported by Smith (1983) from moored current meters equipped with thermistor and conductivity sensors. Loucks et al. (1986) calculated monthly mean surface temperatures from data collected by ships-of-opportunity for the northern, central and southern portions of the Shelf. In the present study spatially-averaged means of temperature and salinity are calculated from archived bottle data. It represents the most detailed investigation of mean hydrographic properties over the Scotian Shelf yet undertaken.

This report is a companion volume to Drinkwater and Trites (1986) which presented mean temperature and salinity conditions in the Grand Banks region off Newfoundland.

DATA AND ANALYSIS

Historical temperature and salinity data from the Scotian Shelf and surrounding region were obtained from the Marine Environmental Data Service in Ottawa. Temperatures were measured by reversing thermometers and salinities determined from bottle samples by titration or, in later years, using salinometers. The data were collected between 1910 and 1982, inclusive, with approximately 85% of the data gathered from 1950 on. They were sorted into 35 subareas from the Laurentian Channel in the north to Georges Bank in the south (Fig. 1). The area extended inshore to within a few kilometers of the Nova Scotia coast and offshore to approximately 200 km beyond the continental shelf. The latitudes and longitudes of the corners defining the subareas are listed in Table 1. The subareas were selected primarily on the basis of topography but some consideration was given to their being large enough to contain sufficient data to define the monthly means but small enough to avoid significant horizontal gradients.

After grouping the data into subareas, all duplicate samples and those of questionable quality were eliminated. Further, only those stations containing measurements at three or more depths were retained. This left a total of over 6200 stations with an average of 9 depths per station. The average number of stations per subarea was 177, the median was 153 and the values ranged from 4 (subarea 31) to 489 (subarea 28). The frequency distribution of the number of stations per subarea is shown in Fig. 2.

The seasonal distribution of the data shows a maximum in summer and a minimum in winter (Fig. 3). The number of stations within a month ranged from over 950 in August to slightly less than 200 in December.

Following the initial quality checks the data were linearly interpolated to standard depths (16 between the surface and 1000 m) where necessary. Data were not extrapolated beyond their depth range. The monthly means and standard deviations of temperature and salinity were calculated at the standard depths from the data within each subarea. The results are listed in the Appendix together with the number of observations. Salinities are reported as a ratio following the Practical Salinity Scale 1978 and in accordance with the International System of Units (SI units). No means are listed for subarea 31 because of the limited data.

The standard deviations of temperature and salinity result from both spatial as well as temporal variability. Caution must therefore be exercised when interpreting anomalies from the spatial means especially when based on single point measurements.

No adjustments were made to the means for temporal or spatial aliasing. Temporal aliasing would occur if most data within a subarea were collected in a single year or near the beginning or end of a month. Spatial aliasing may result if the data were collected at a single site or within a small region of a subarea in which there was a mean horizontal gradient. The large standard deviations in the temperature and salinity beyond the continental slope (subareas 30-35) are in part due to the effects of Gulf Stream eddies.

A graphical presentation of the mean data from ten of the subareas are also provided. They were chosen as representative of different oceanographic regions or regimes. Figure 4 shows the time-depth distribution of the monthly mean temperature and salinity and Fig. 5 displays the seasonal variation of the means at selected depths. Finally, the horizontal distribution of surface temperature and salinity over the entire region appears in Fig. 6.

ACKNOWLEDGEMENTS

We thank G. Coughtry and G. Horne for their part in this study. The majority of the analysis was undertaken through a contract with Wycove Systems Limited and supported by funds from the Office of Energy and Research Development (OERD) of the Department of Energy, Mines and Resources. Thanks also to L. Petrie and L. Allen for technical support.

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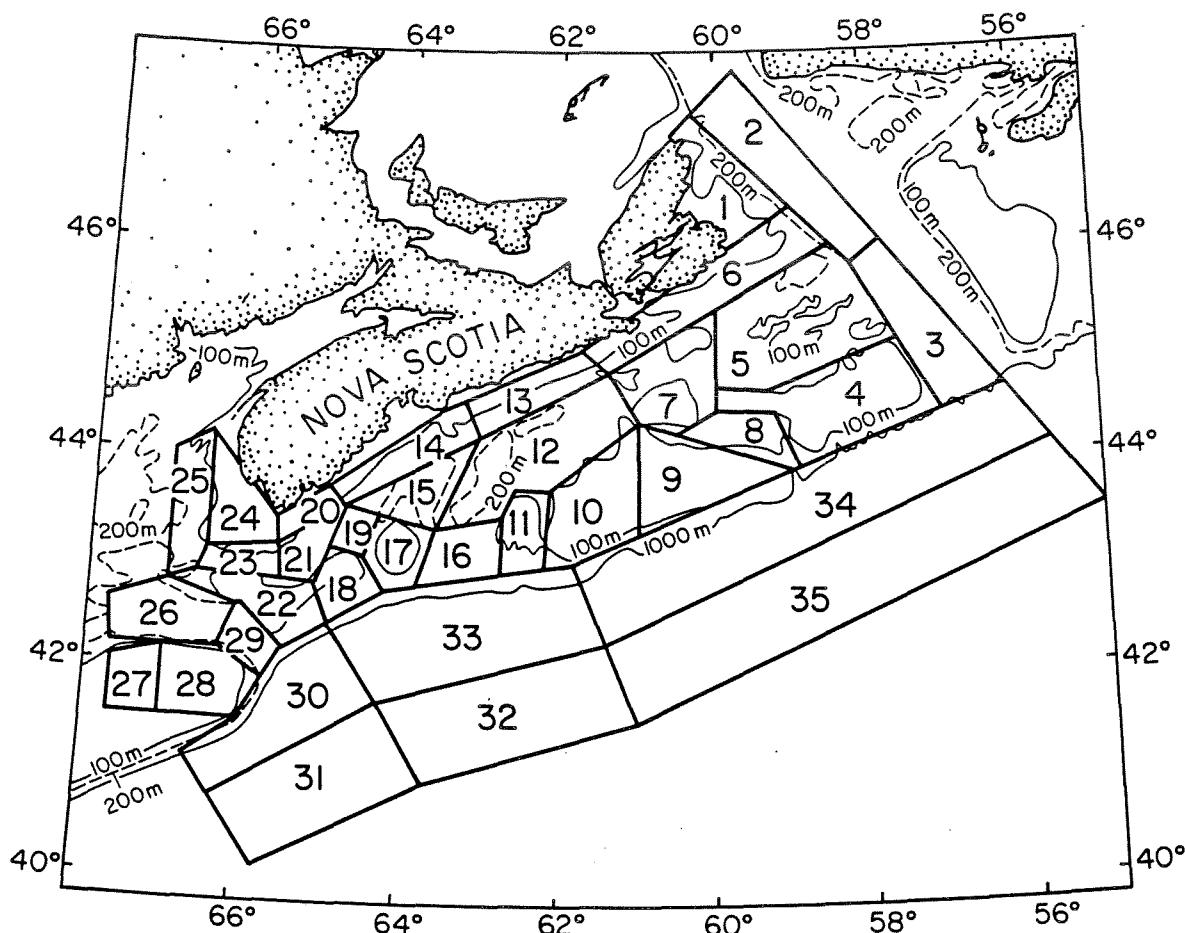
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Table 1

The latitude and longitude of the corners defining the subareas shown in Figure 1.

Subarea	Latitude ($^{\circ}$ N), Longitude ($^{\circ}$ W)
1	$47.25^{\circ}, 60.35^{\circ}; 46.38^{\circ}, 59.03^{\circ}; 45.78^{\circ}, 60.25^{\circ}; 47.06^{\circ}, 60.60^{\circ}$
2	$47.65^{\circ}, 59.76^{\circ}; 46.05^{\circ}, 57.80^{\circ}; 45.82^{\circ}, 58.20^{\circ}; 47.25^{\circ}, 60.35^{\circ}$
3	$46.05^{\circ}, 57.80^{\circ}; 44.68^{\circ}, 56.25^{\circ}; 44.45^{\circ}, 57.06^{\circ}; 45.82^{\circ}, 58.20^{\circ}$
4	$45.12^{\circ}, 57.60^{\circ}; 44.45^{\circ}, 57.06^{\circ}; 43.91^{\circ}, 58.88^{\circ}; 44.42^{\circ}, 59.21^{\circ};$ $44.44^{\circ}, 60.00^{\circ}; 44.66^{\circ}, 60.06^{\circ}$
5	$46.02^{\circ}, 58.50^{\circ}; 45.82^{\circ}, 58.20^{\circ}; 45.12^{\circ}, 57.60^{\circ}; 44.53^{\circ}, 59.35^{\circ};$ $44.66^{\circ}, 60.00^{\circ}; 45.41^{\circ}, 60.00^{\circ}$
6	$46.38^{\circ}, 59.03^{\circ}; 46.02^{\circ}, 58.50^{\circ}; 44.80^{\circ}, 61.40^{\circ}; 45.02^{\circ}, 61.73^{\circ}$
7	$44.80^{\circ}, 61.40^{\circ}; 45.41^{\circ}, 60.00^{\circ}; 44.44^{\circ}, 60.00^{\circ}; 44.25^{\circ}, 60.50^{\circ};$ $44.35^{\circ}, 61.00^{\circ}$
8	$44.44^{\circ}, 60.00^{\circ}; 44.42^{\circ}, 59.21^{\circ}; 43.91^{\circ}, 58.88^{\circ}; 43.90^{\circ}, 58.97^{\circ};$ $44.25^{\circ}, 60.50^{\circ}$
9	$44.35^{\circ}, 61.00^{\circ}; 43.90^{\circ}, 58.97^{\circ}; 43.30^{\circ}, 61.00^{\circ}$
10	$44.35^{\circ}, 61.00^{\circ}; 43.30^{\circ}, 61.00^{\circ}; 43.01^{\circ}, 61.82^{\circ}; 42.96^{\circ}, 62.20^{\circ};$ $43.70^{\circ}, 62.15^{\circ}$
11	$43.71^{\circ}, 62.56^{\circ}; 43.70^{\circ}, 62.15^{\circ}; 42.96^{\circ}, 62.20^{\circ}; 42.91^{\circ}, 62.77^{\circ};$ $43.45^{\circ}, 62.75^{\circ}$
12	$44.80^{\circ}, 61.40^{\circ}; 44.35^{\circ}, 61.00^{\circ}; 43.70^{\circ}, 62.15^{\circ}; 43.71^{\circ}, 62.56^{\circ};$ $43.45^{\circ}, 62.75^{\circ}; 43.32^{\circ}, 63.63^{\circ}; 44.21^{\circ}, 63.07^{\circ}$
13	$45.02^{\circ}, 61.73^{\circ}; 44.80^{\circ}, 61.40^{\circ}; 44.21^{\circ}, 63.07^{\circ}; 44.55^{\circ}, 63.25^{\circ}$
14	$44.55^{\circ}, 63.25^{\circ}; 44.21^{\circ}, 63.07^{\circ}; 43.54^{\circ}, 64.80^{\circ}; 43.71^{\circ}, 64.97^{\circ}$
15	$44.21^{\circ}, 63.07^{\circ}; 43.32^{\circ}, 63.63^{\circ}; 43.54^{\circ}, 64.80^{\circ}$
16	$43.45^{\circ}, 62.75^{\circ}; 42.91^{\circ}, 62.77^{\circ}; 42.79^{\circ}, 63.85^{\circ}; 43.32^{\circ}, 63.63^{\circ}$
17	$43.45^{\circ}, 64.33^{\circ}; 43.32^{\circ}, 63.63^{\circ}; 42.79^{\circ}, 63.85^{\circ}; 42.73^{\circ}, 64.23^{\circ};$ $43.08^{\circ}, 64.52^{\circ}$
18	$43.15^{\circ}, 64.98^{\circ}; 43.08^{\circ}, 64.52^{\circ}; 42.73^{\circ}, 64.23^{\circ}; 42.42^{\circ}, 64.95^{\circ};$ $42.80^{\circ}, 65.18^{\circ}$

Subarea	Latitude ($^{\circ}$ N), Longitude ($^{\circ}$ W)
19	43.54 $^{\circ}$, 64.80 $^{\circ}$; 43.45 $^{\circ}$, 64.33 $^{\circ}$; 43.08 $^{\circ}$, 64.52 $^{\circ}$; 43.15 $^{\circ}$, 64.98 $^{\circ}$
20	43.71 $^{\circ}$, 64.97 $^{\circ}$; 43.54 $^{\circ}$, 64.80 $^{\circ}$; 43.16 $^{\circ}$, 65.60 $^{\circ}$; 43.40 $^{\circ}$, 65.61 $^{\circ}$
21	43.54 $^{\circ}$, 64.80 $^{\circ}$; 42.80 $^{\circ}$, 65.18 $^{\circ}$; 42.82 $^{\circ}$, 65.55 $^{\circ}$; 43.16 $^{\circ}$, 65.60 $^{\circ}$
22	42.80 $^{\circ}$, 65.18 $^{\circ}$; 42.42 $^{\circ}$, 64.95 $^{\circ}$; 42.13 $^{\circ}$, 65.55 $^{\circ}$; 42.56 $^{\circ}$, 66.10 $^{\circ}$; 42.79 $^{\circ}$, 67.00 $^{\circ}$; 42.88 $^{\circ}$, 66.62 $^{\circ}$
23	43.10 $^{\circ}$, 66.52 $^{\circ}$; 43.16 $^{\circ}$, 65.60 $^{\circ}$; 42.82 $^{\circ}$, 65.55 $^{\circ}$; 42.88 $^{\circ}$, 66.62 $^{\circ}$
24	44.21 $^{\circ}$, 66.50 $^{\circ}$; 43.40 $^{\circ}$, 65.61 $^{\circ}$; 43.16 $^{\circ}$, 65.60 $^{\circ}$; 43.10 $^{\circ}$, 66.52 $^{\circ}$
25	44.21 $^{\circ}$, 66.50 $^{\circ}$; 43.10 $^{\circ}$, 66.52 $^{\circ}$; 42.88 $^{\circ}$, 66.62 $^{\circ}$; 42.79 $^{\circ}$, 67.00 $^{\circ}$; 44.00 $^{\circ}$, 67.00 $^{\circ}$
26	42.79 $^{\circ}$, 67.00 $^{\circ}$; 42.56 $^{\circ}$, 66.10 $^{\circ}$; 42.18 $^{\circ}$, 66.32 $^{\circ}$; 42.18 $^{\circ}$, 67.70 $^{\circ}$; 42.58 $^{\circ}$, 67.75 $^{\circ}$
27	42.18 $^{\circ}$, 67.00 $^{\circ}$; 41.50 $^{\circ}$, 67.00 $^{\circ}$; 41.50 $^{\circ}$, 67.68 $^{\circ}$; 42.03 $^{\circ}$, 67.68 $^{\circ}$
28	42.18 $^{\circ}$, 67.00 $^{\circ}$; 42.18 $^{\circ}$, 66.32 $^{\circ}$; 41.90 $^{\circ}$, 65.72 $^{\circ}$; 41.50 $^{\circ}$, 66.00 $^{\circ}$; 41.15 $^{\circ}$, 66.70 $^{\circ}$; 41.50 $^{\circ}$, 67.00 $^{\circ}$
29	42.56 $^{\circ}$, 66.10 $^{\circ}$; 42.13 $^{\circ}$, 65.55 $^{\circ}$; 41.90 $^{\circ}$, 65.72 $^{\circ}$; 42.18 $^{\circ}$, 66.32 $^{\circ}$
30	42.42 $^{\circ}$, 64.95 $^{\circ}$; 41.68 $^{\circ}$, 64.30 $^{\circ}$; 41.09 $^{\circ}$, 65.62 $^{\circ}$; 40.77 $^{\circ}$, 66.33 $^{\circ}$; 41.15 $^{\circ}$, 66.70 $^{\circ}$; 41.50 $^{\circ}$, 66.00 $^{\circ}$; 41.90 $^{\circ}$, 65.72 $^{\circ}$; 42.13 $^{\circ}$, 65.55 $^{\circ}$
31	41.68 $^{\circ}$, 64.30 $^{\circ}$; 40.92 $^{\circ}$, 63.73 $^{\circ}$; 40.10 $^{\circ}$, 65.71 $^{\circ}$; 40.77 $^{\circ}$, 66.33 $^{\circ}$
32	42.25 $^{\circ}$, 61.40 $^{\circ}$; 41.50 $^{\circ}$, 61.00 $^{\circ}$; 40.92 $^{\circ}$, 63.73 $^{\circ}$; 41.68 $^{\circ}$, 64.30 $^{\circ}$
33	42.73 $^{\circ}$, 64.23 $^{\circ}$; 43.01 $^{\circ}$, 61.82 $^{\circ}$; 42.25 $^{\circ}$, 61.40 $^{\circ}$; 41.68 $^{\circ}$, 64.30 $^{\circ}$; 42.42 $^{\circ}$, 64.95 $^{\circ}$
34	44.68 $^{\circ}$, 56.25 $^{\circ}$; 44.15 $^{\circ}$, 55.68 $^{\circ}$; 42.25 $^{\circ}$, 61.40 $^{\circ}$; 43.01 $^{\circ}$, 61.82 $^{\circ}$
35	44.15 $^{\circ}$, 55.68 $^{\circ}$; 43.51 $^{\circ}$, 55.09 $^{\circ}$; 41.50 $^{\circ}$, 61.00 $^{\circ}$; 42.25 $^{\circ}$, 61.40 $^{\circ}$



- | | |
|--------------------------|-----------------------|
| 1. SYDNEY BIGHT | 19. ROSEWAY BANK |
| 2. N. LAURENTIAN CHANNEL | 20. SHELBOURNE |
| 3. S. LAURENTIAN CHANNEL | 21. ROSEWAY BASIN |
| 4. BANQUEREAU | 22. BROWNS BANK |
| 5. MISAIN BANK | 23. ROSEWAY CHANNEL |
| 6. CANSO | 24. LURCHER SHOALS |
| 7. MIDDLE BANK | 25. E. GULF OF MAINE |
| 8. THE GULLY | 26. GEORGES BASIN |
| 9. SABLE ISLAND | 27. GEORGES SHOAL |
| 10. WESTERN BANK | 28. E. GEORGES BANK |
| 11. EMERALD BANK | 29. N.E. CHANNEL |
| 12. EMERALD BASIN | 30. SOUTHERN SLOPE |
| 13. EASTERN SHORE | 31. SOUTHERN OFFSHORE |
| 14. SOUTH SHORE | 32. CENTRAL OFFSHORE |
| 15. LAHAVE BASIN | 33. CENTRAL SLOPE |
| 16. SADDLE | 34. NORTHERN SLOPE |
| 17. LAHAVE BANK | 35. NORTHERN OFFSHORE |
| 18. BACCARO BANK | |

Fig. 1. The Scotian Shelf and adjacent regions showing the subareas for which mean temperature and salinity were calculated.

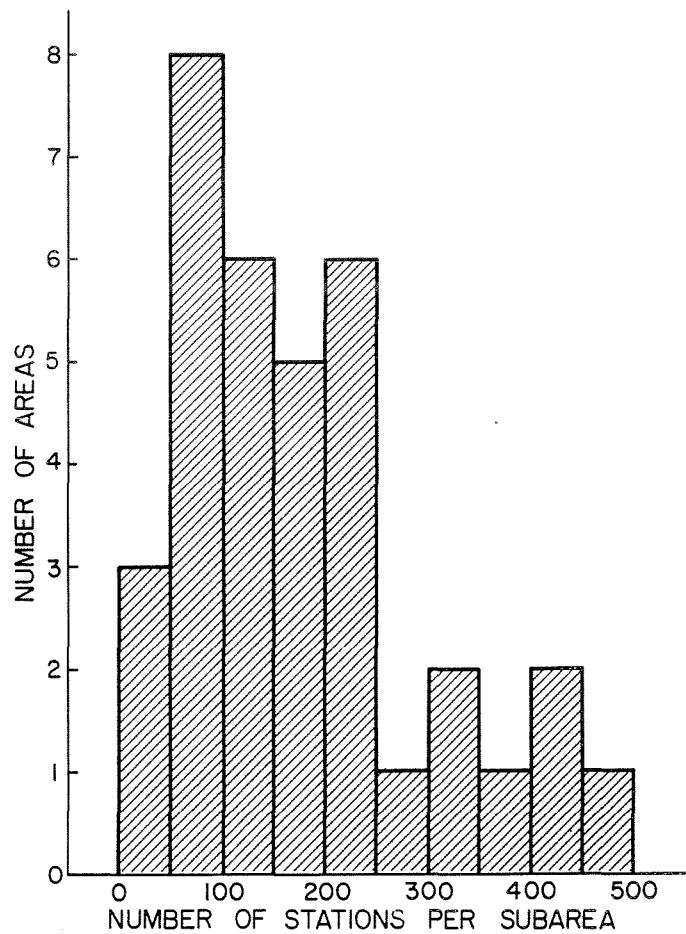


Fig. 2 A histogram of the number of stations per subarea.

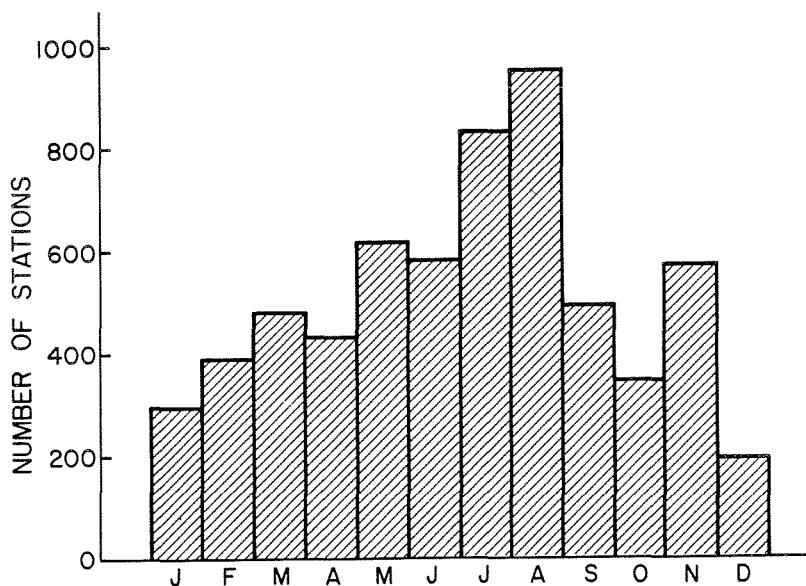


Fig. 3 A histogram of the total number of stations by month.

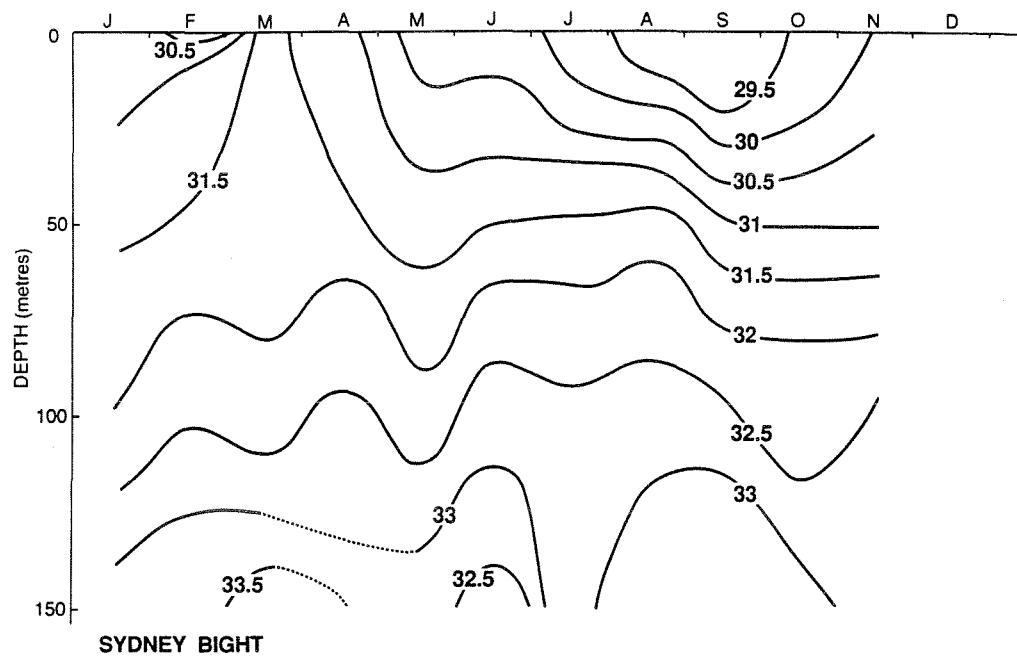
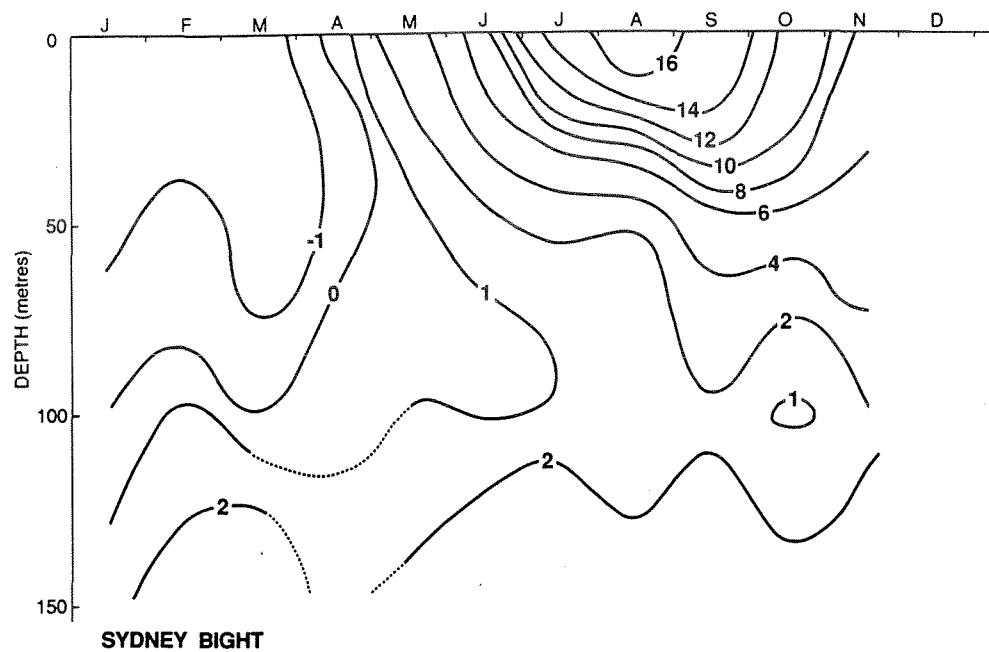


Fig. 4a The time-depth distribution of the mean temperature and salinity for subarea 1, Sydney Bight.

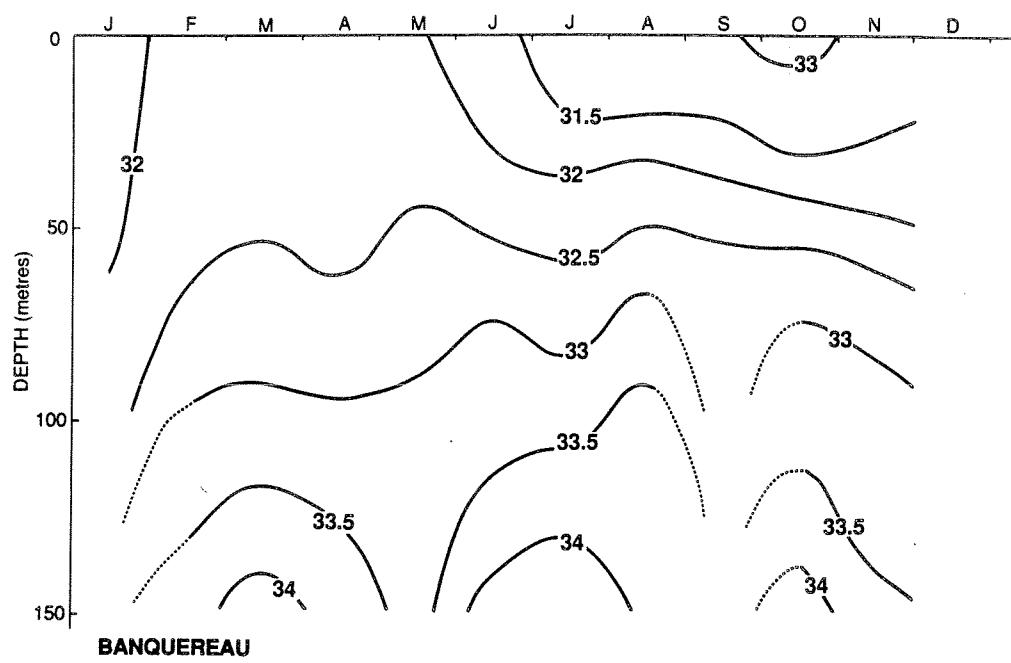
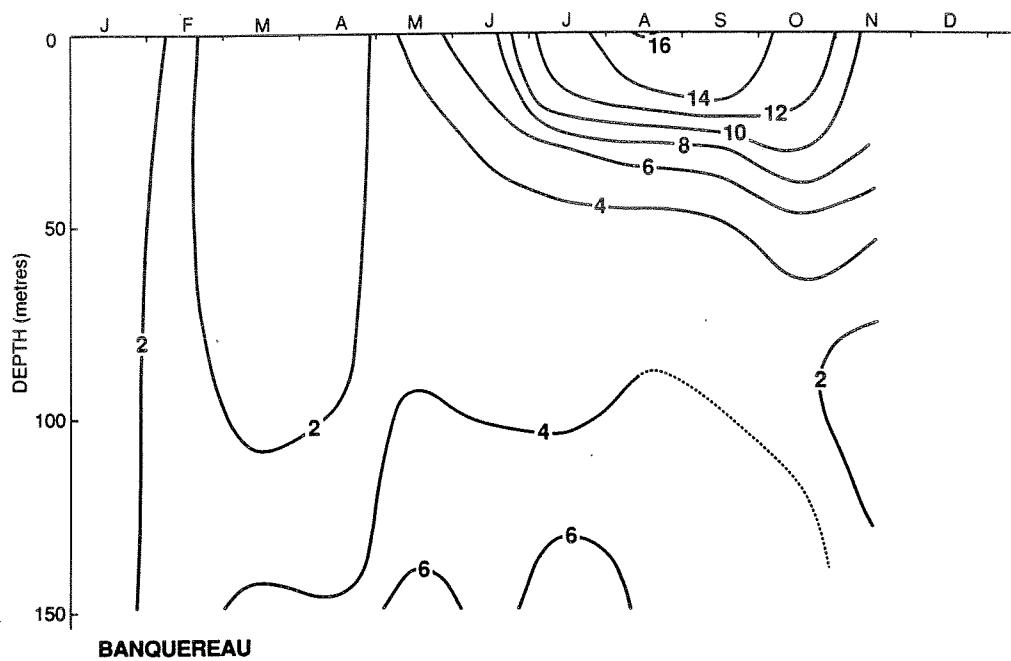


Fig. 4b The time and depth distribution of the mean temperature and salinity for subarea 4, Banquereau.

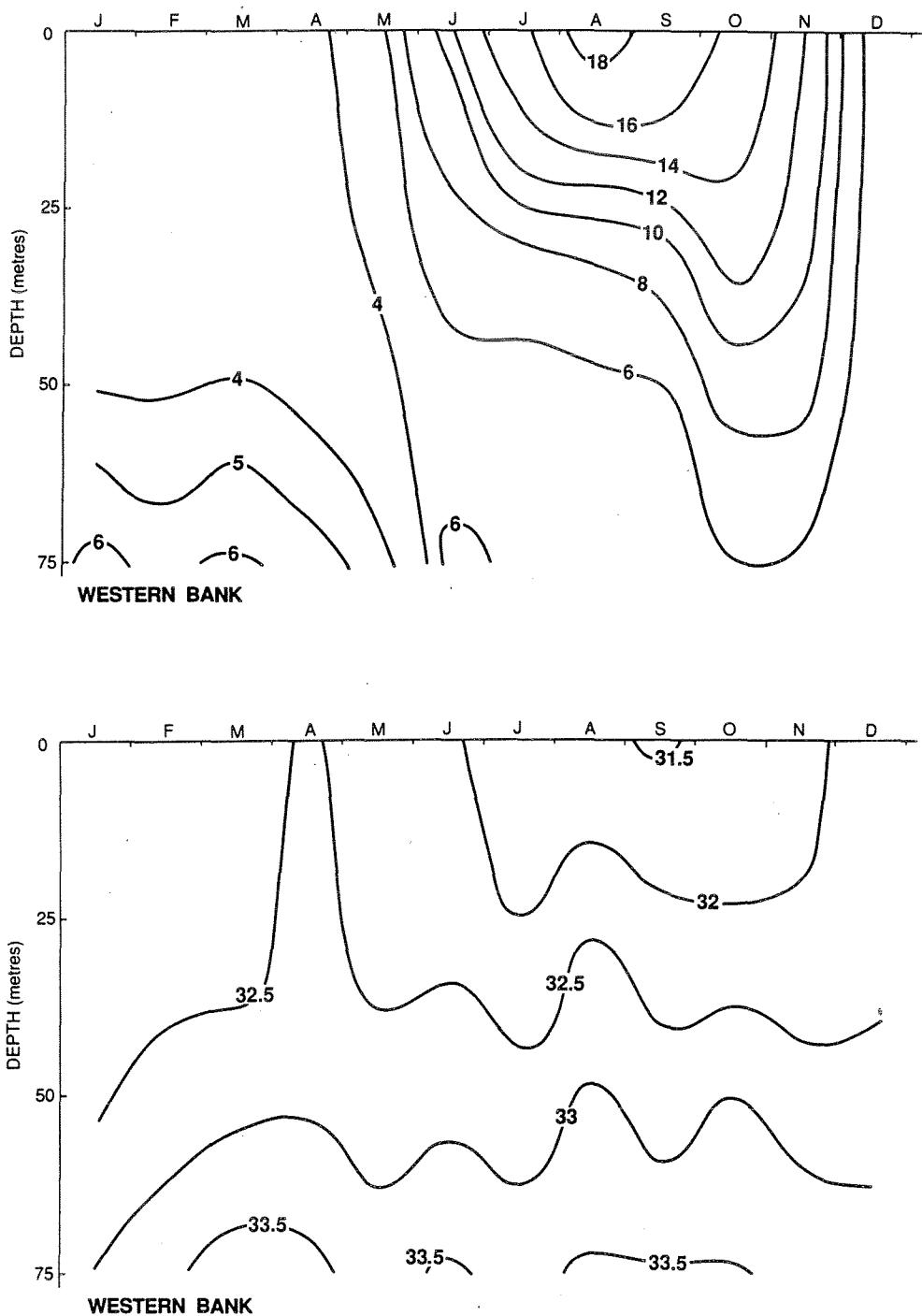


Fig. 4c The time and depth distribution of the mean temperature and salinity for subarea 10, Western Bank.

12

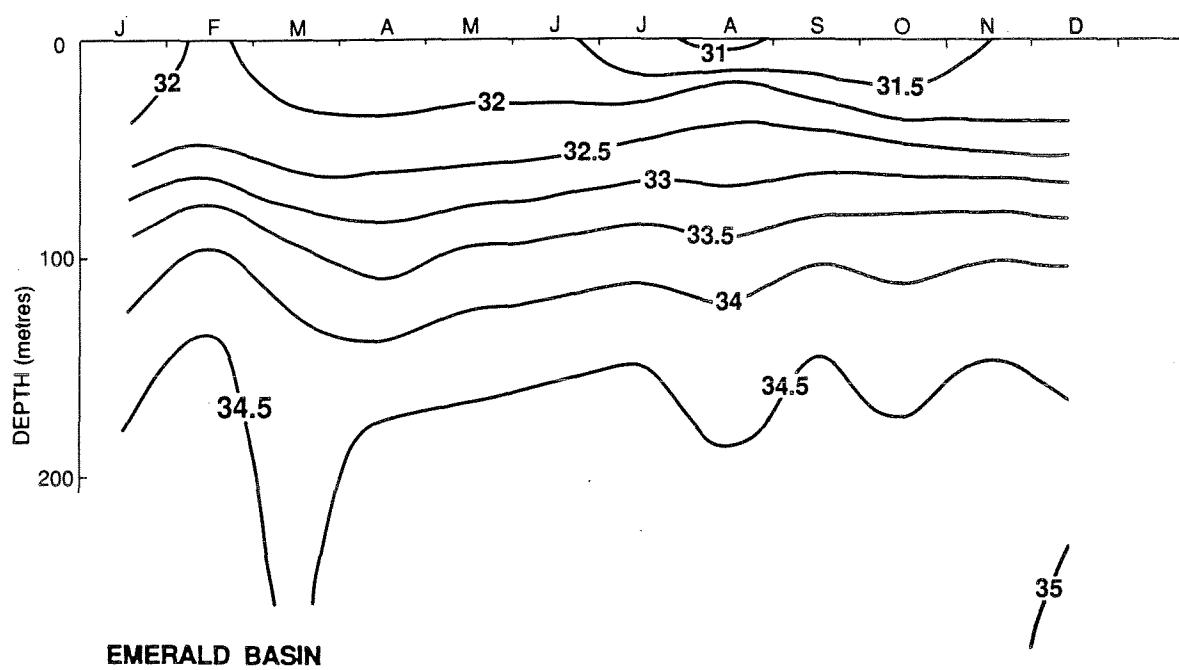
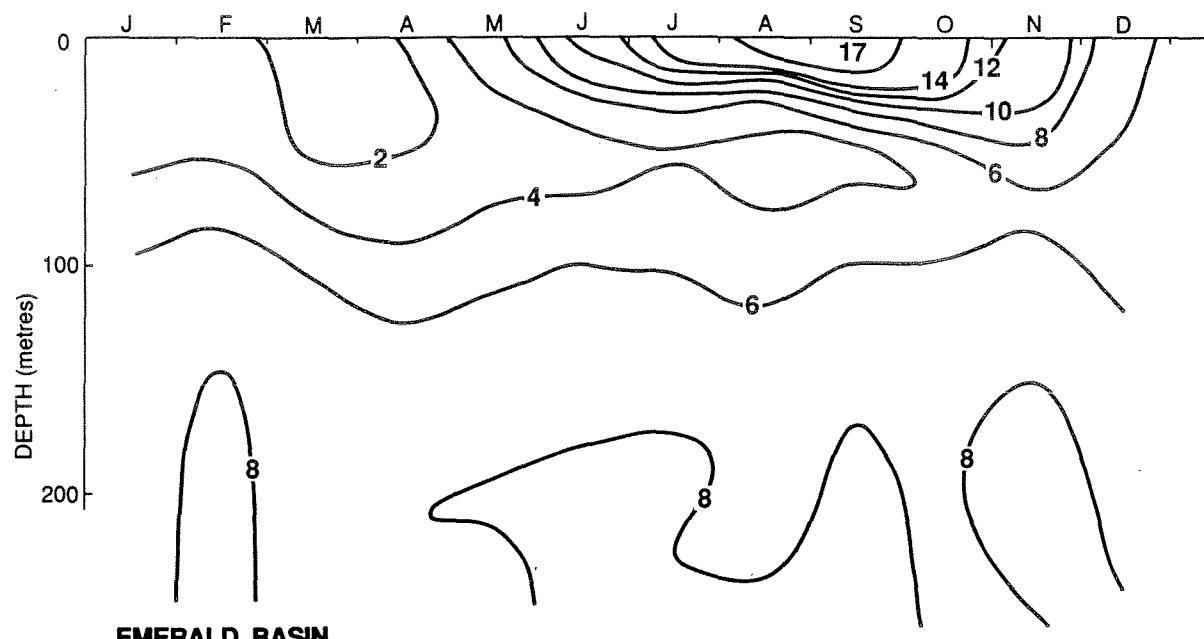


Fig. 4d The time and depth distribution of the mean temperature and salinity for subarea 12, Emerald Basin.

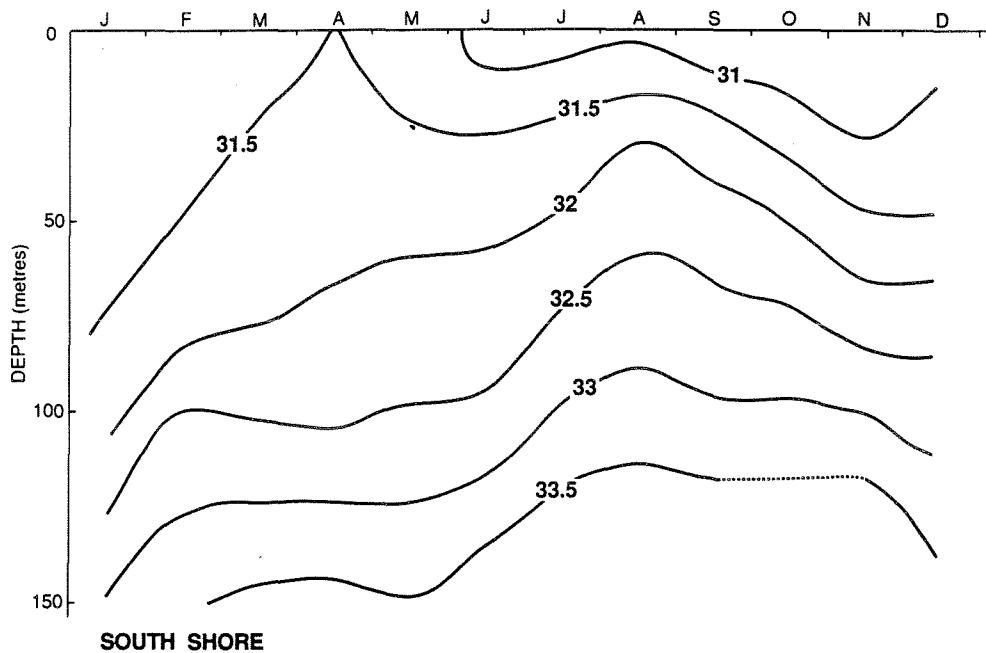
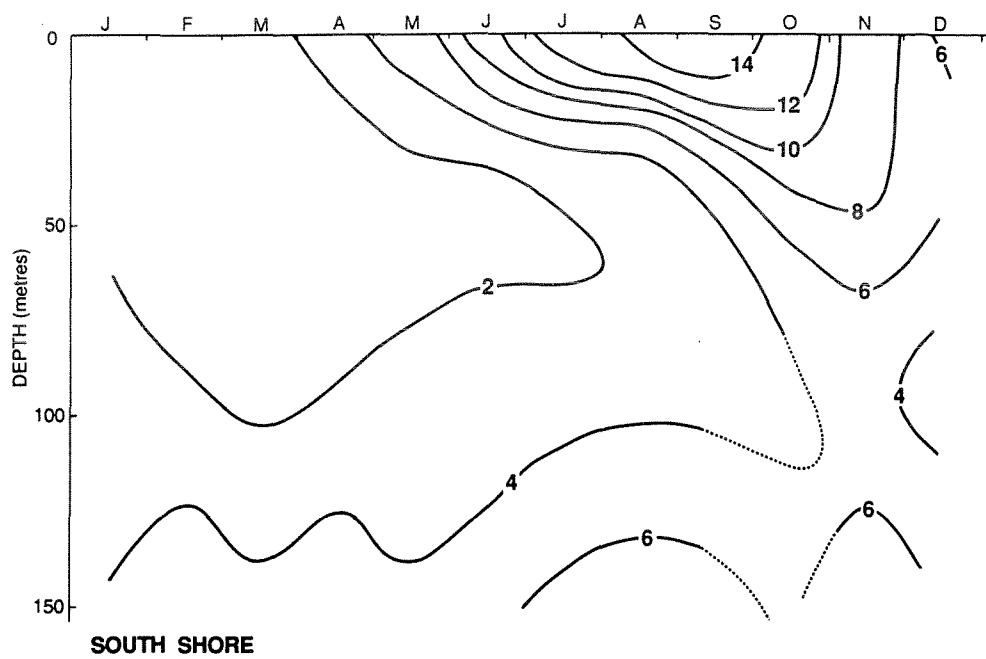


Fig. 4e The time and depth distribution of the mean temperature and salinity for subarea 14, South Shore.

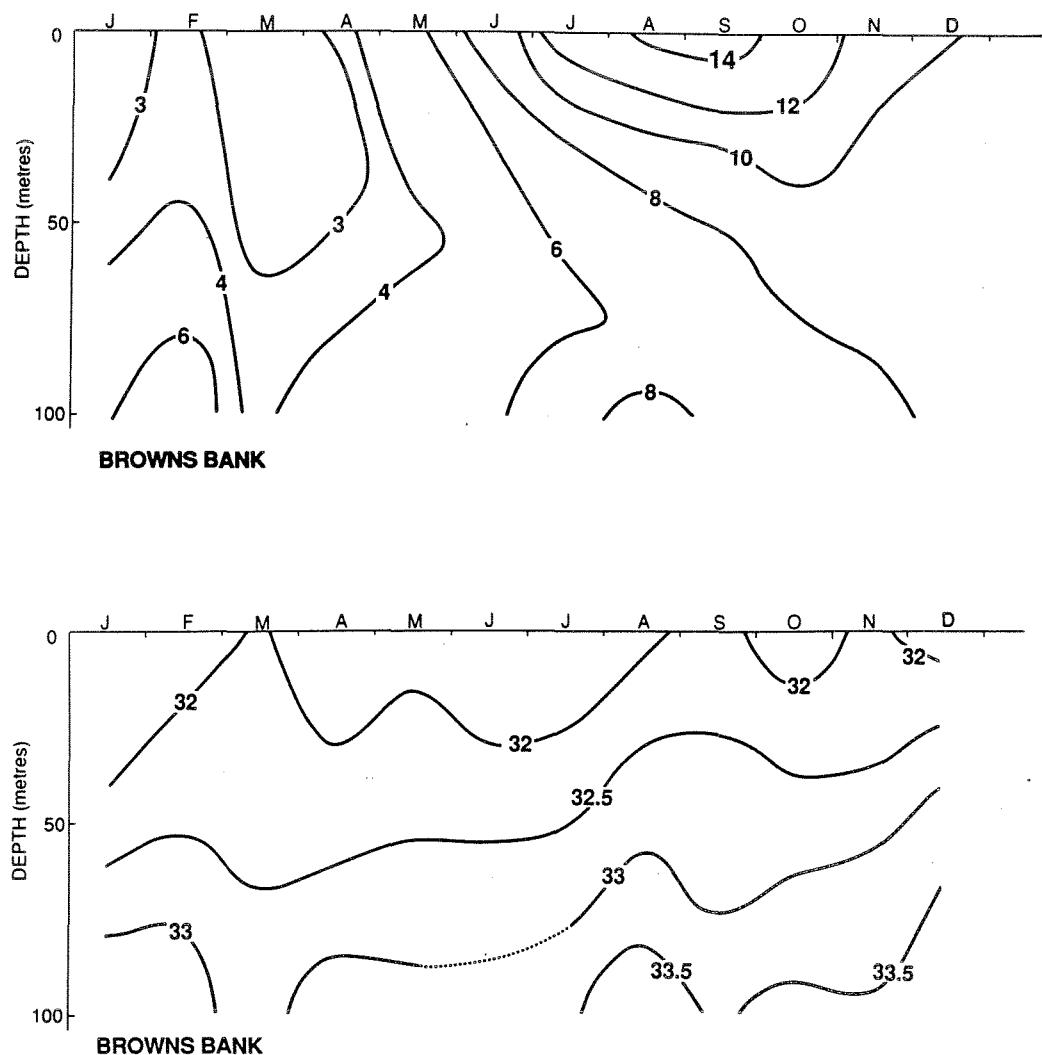


Fig. 4f The time and depth distribution of the mean temperature and salinity for subarea 22, Browns Bank.

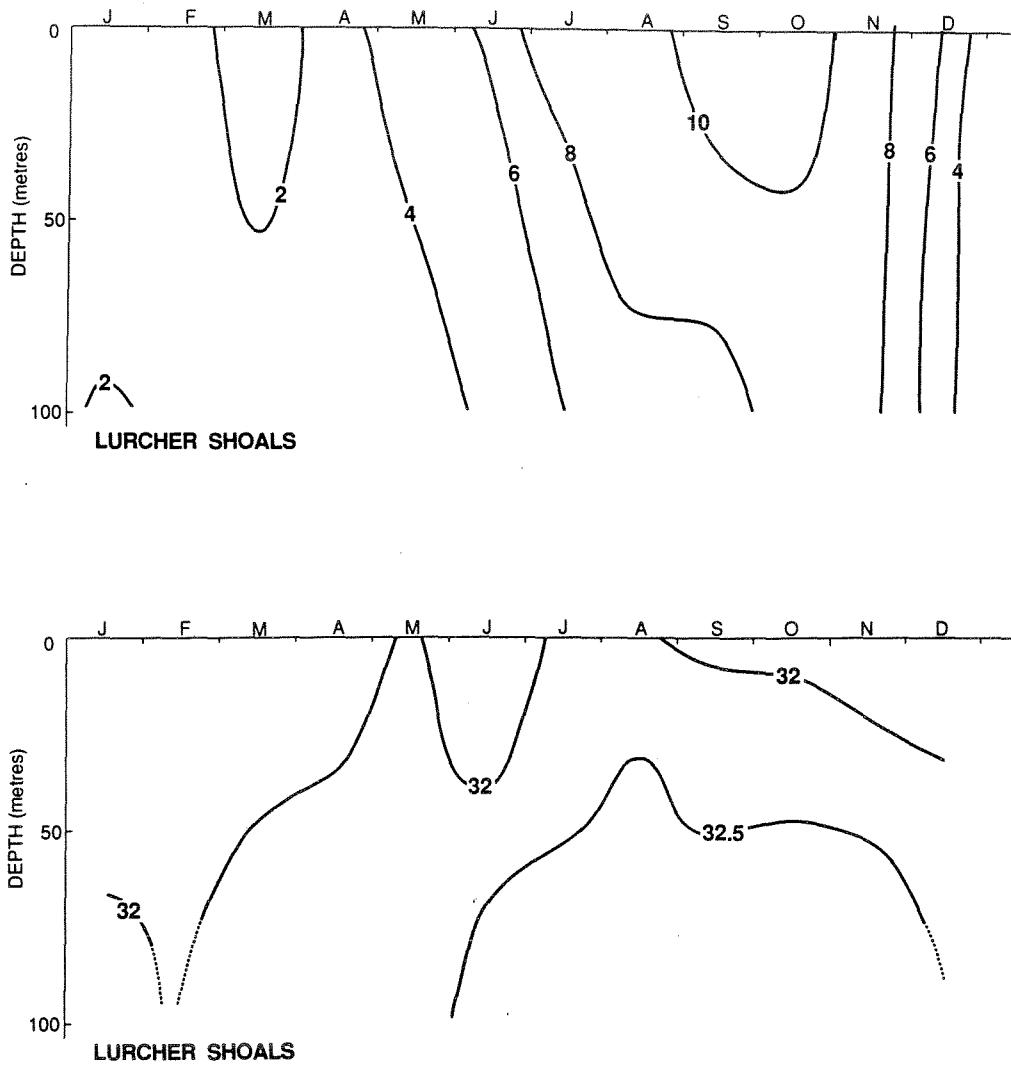


Fig. 4g The time and depth distribution of the mean temperature and salinity for subarea 24, Lurcher Shoals.

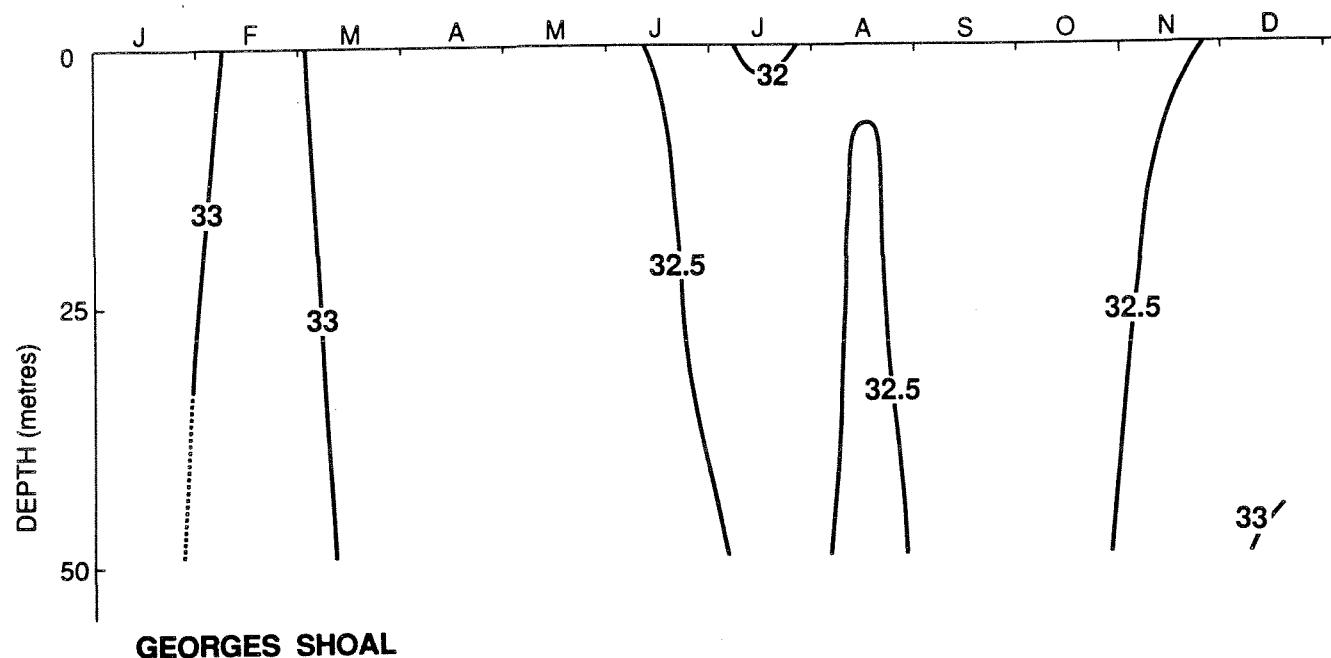
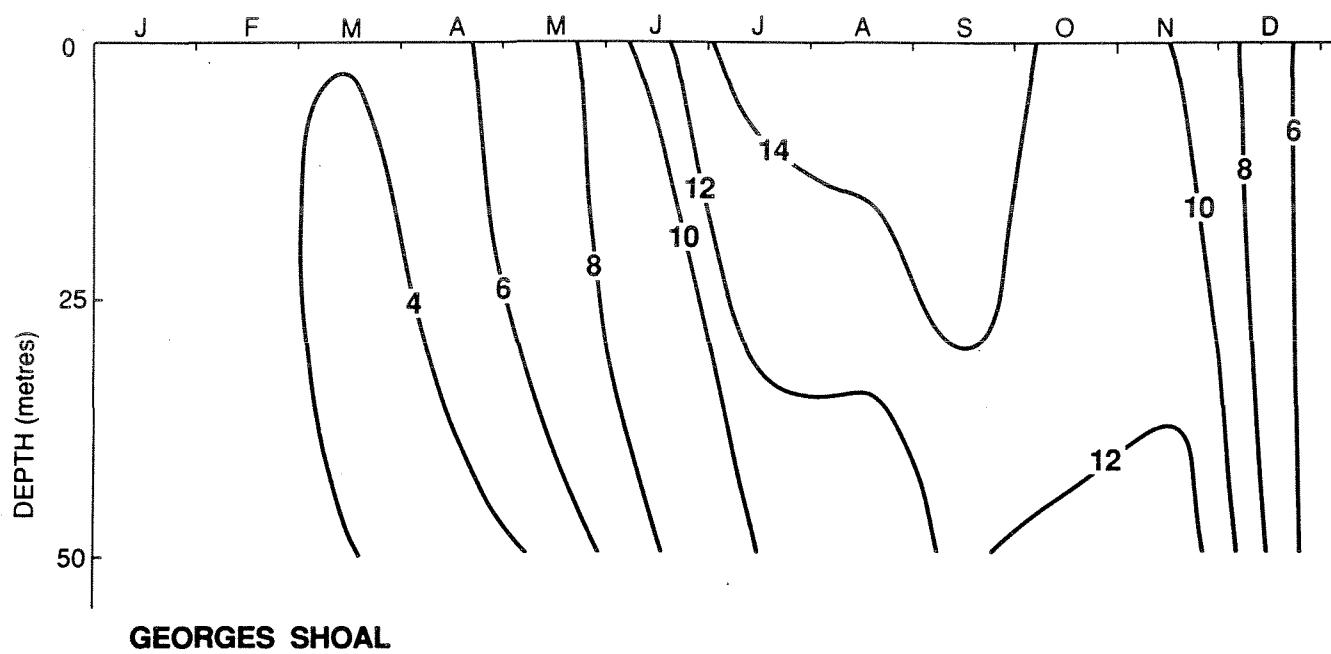


Fig. 4h The time and depth distribution of the mean temperature and salinity for subarea 27, Georges Shoal.

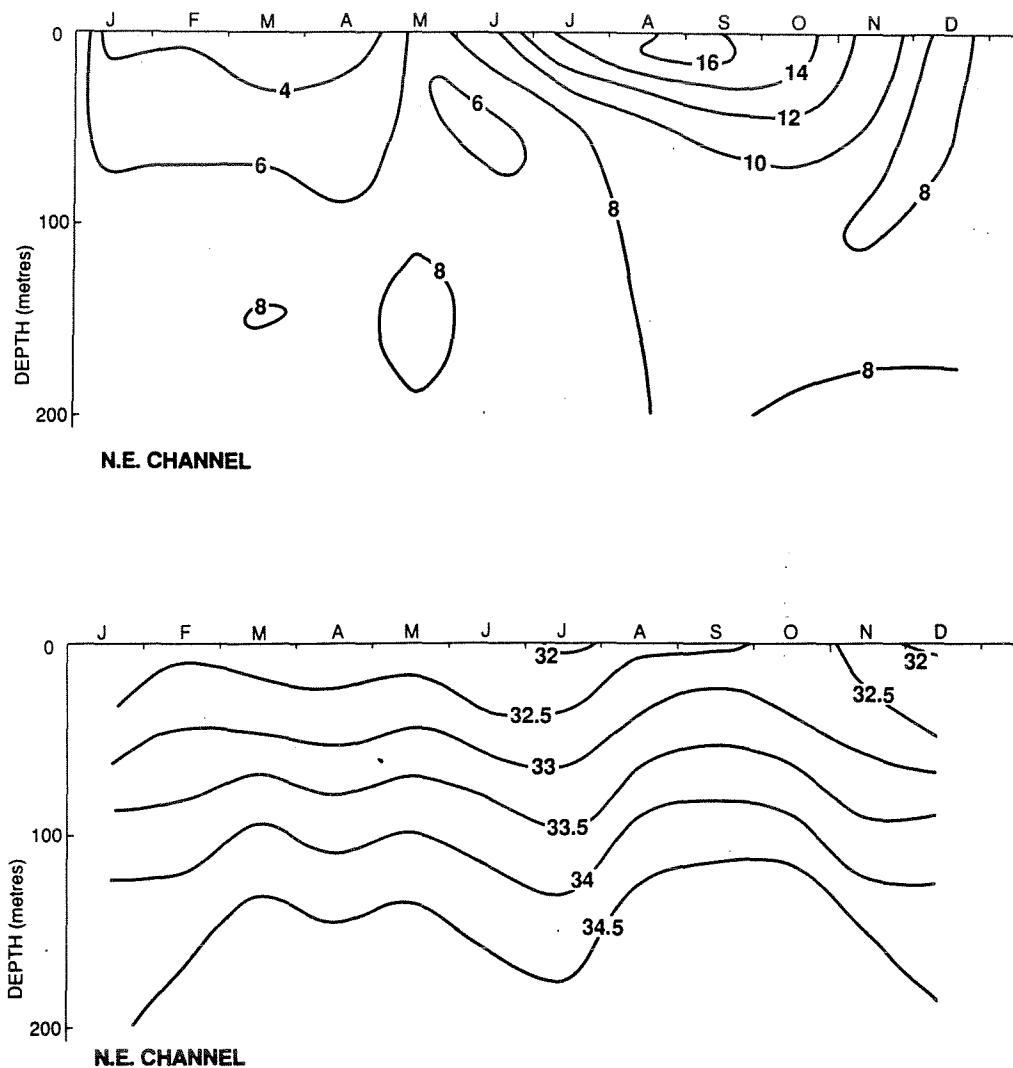


Fig. 4i The time and depth distribution of the mean temperature and salinity for subarea 29, Northeast Channel.

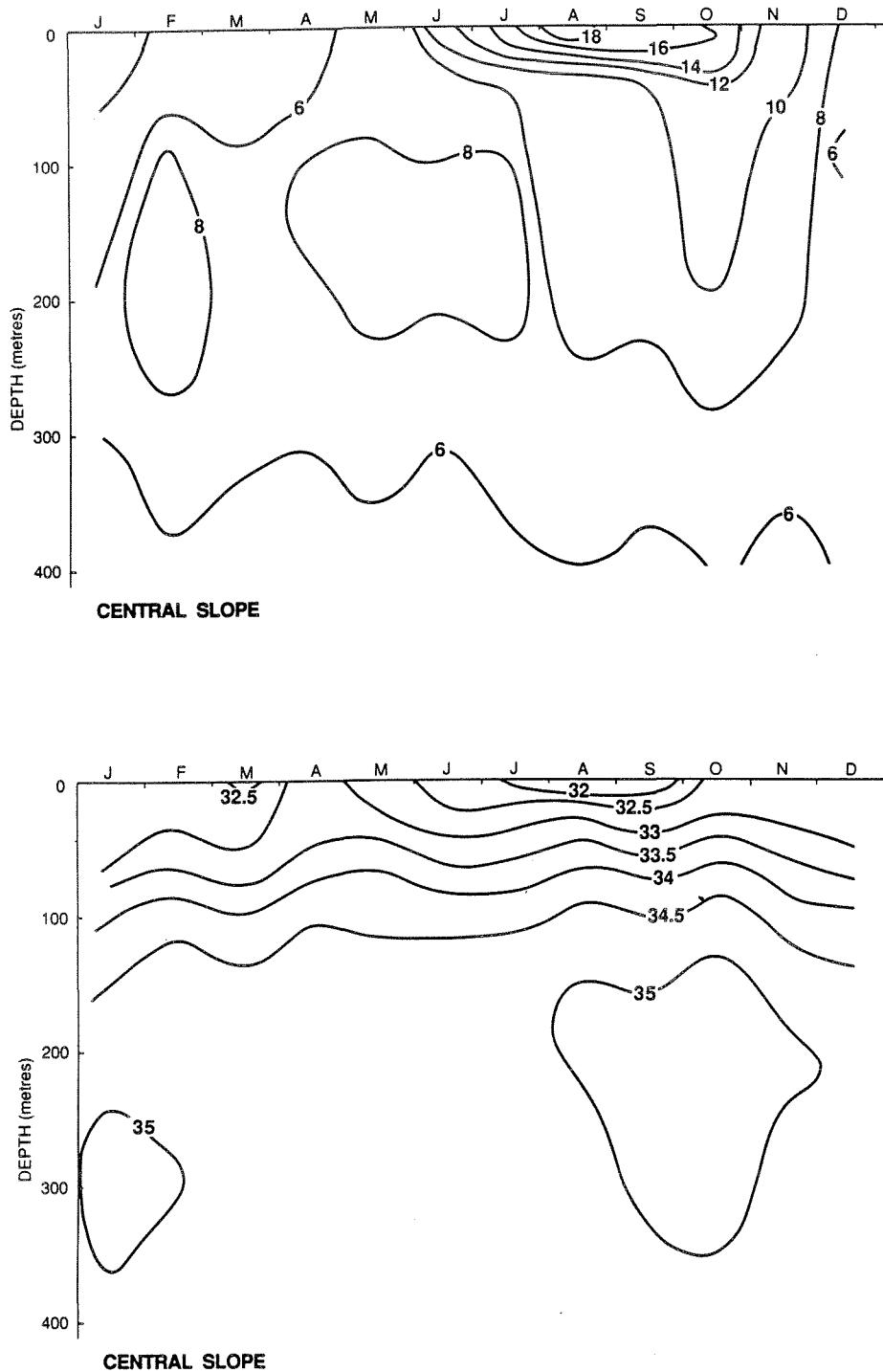


Fig. 4j The time and depth distribution of the mean temperature and salinity for subarea 33, the Central Slope.

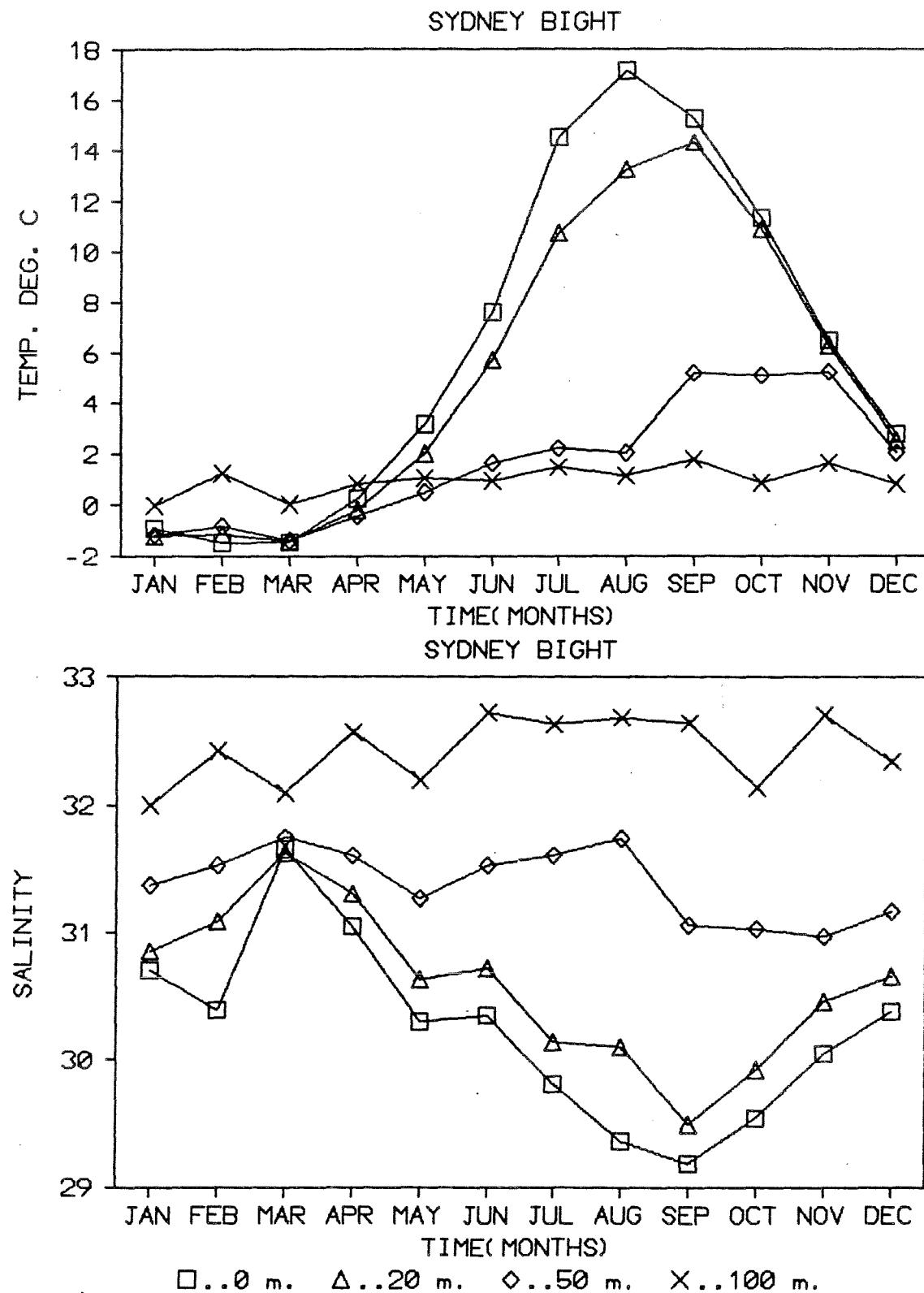
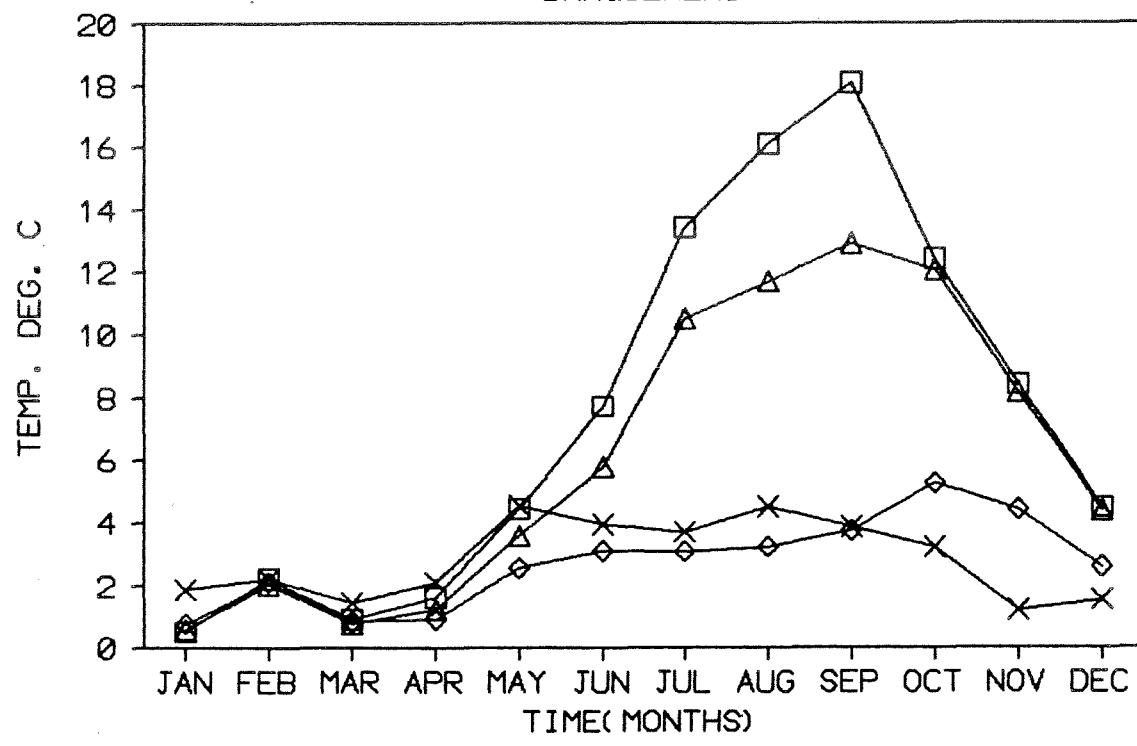


Fig. 5a The seasonal variations of the monthly mean temperature and salinity for subarea 1, Sydney Bight.

BANQUEREAU



BANQUEREAU

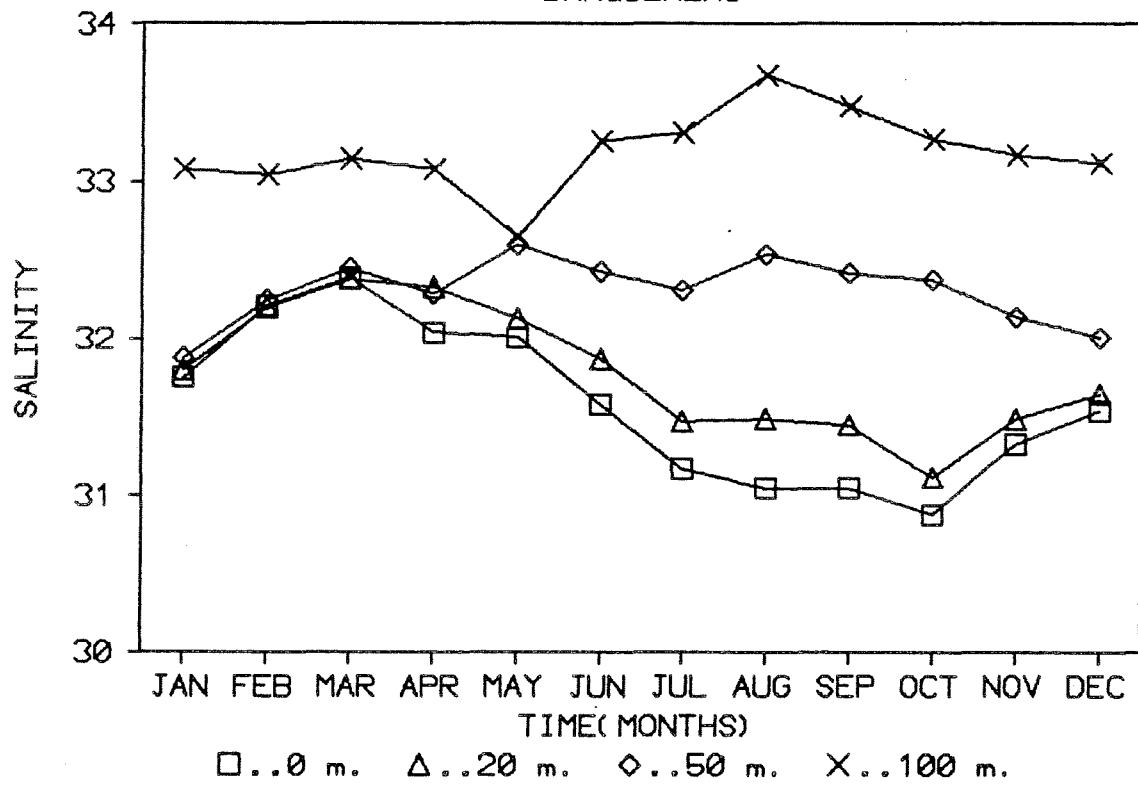


Fig. 5b The seasonal variations of the monthly mean temperature and salinity for subarea 4, Banquereau.

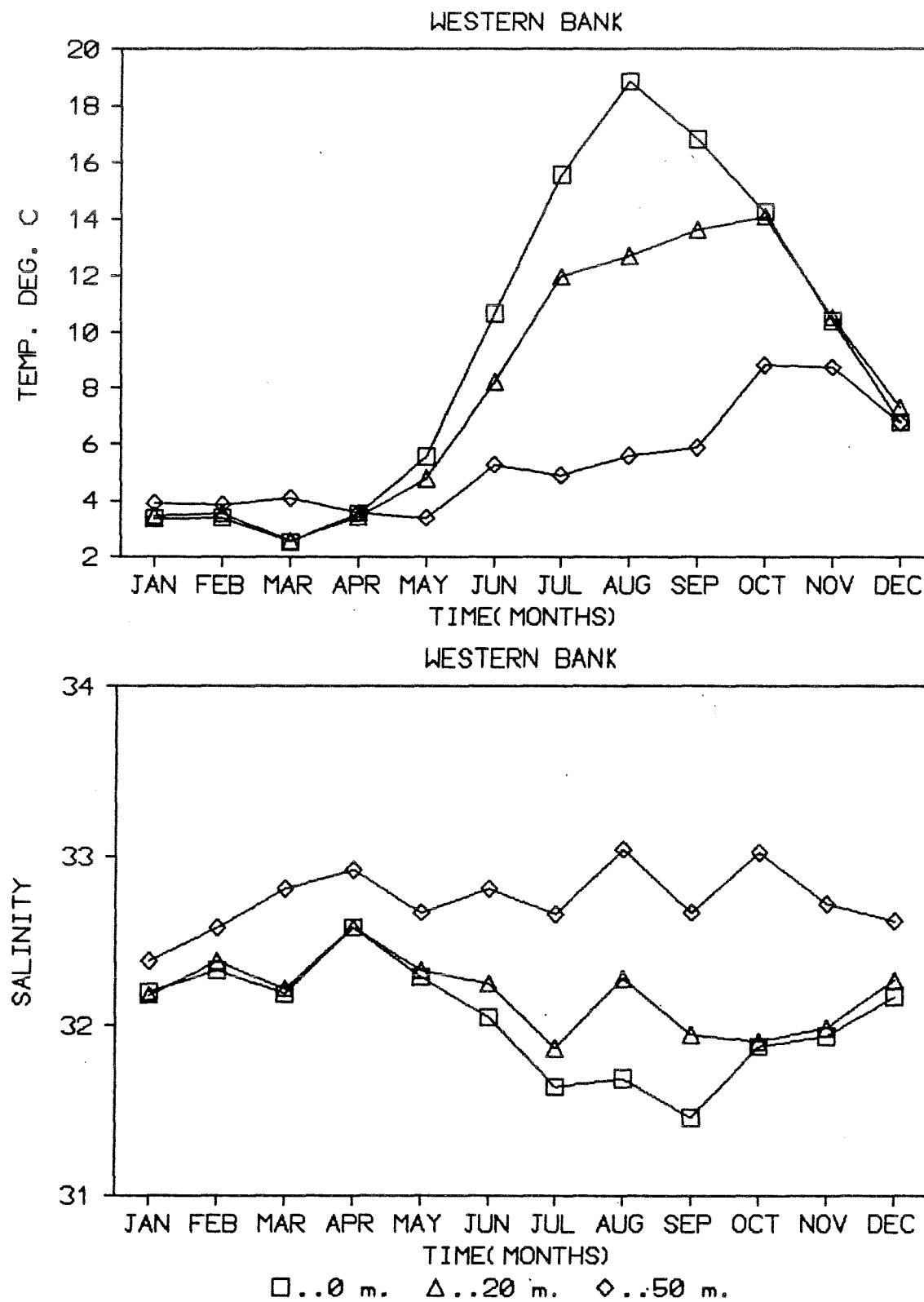


Fig. 5c The seasonal variations of the monthly mean temperature and salinity for subarea 10, Western Bank.

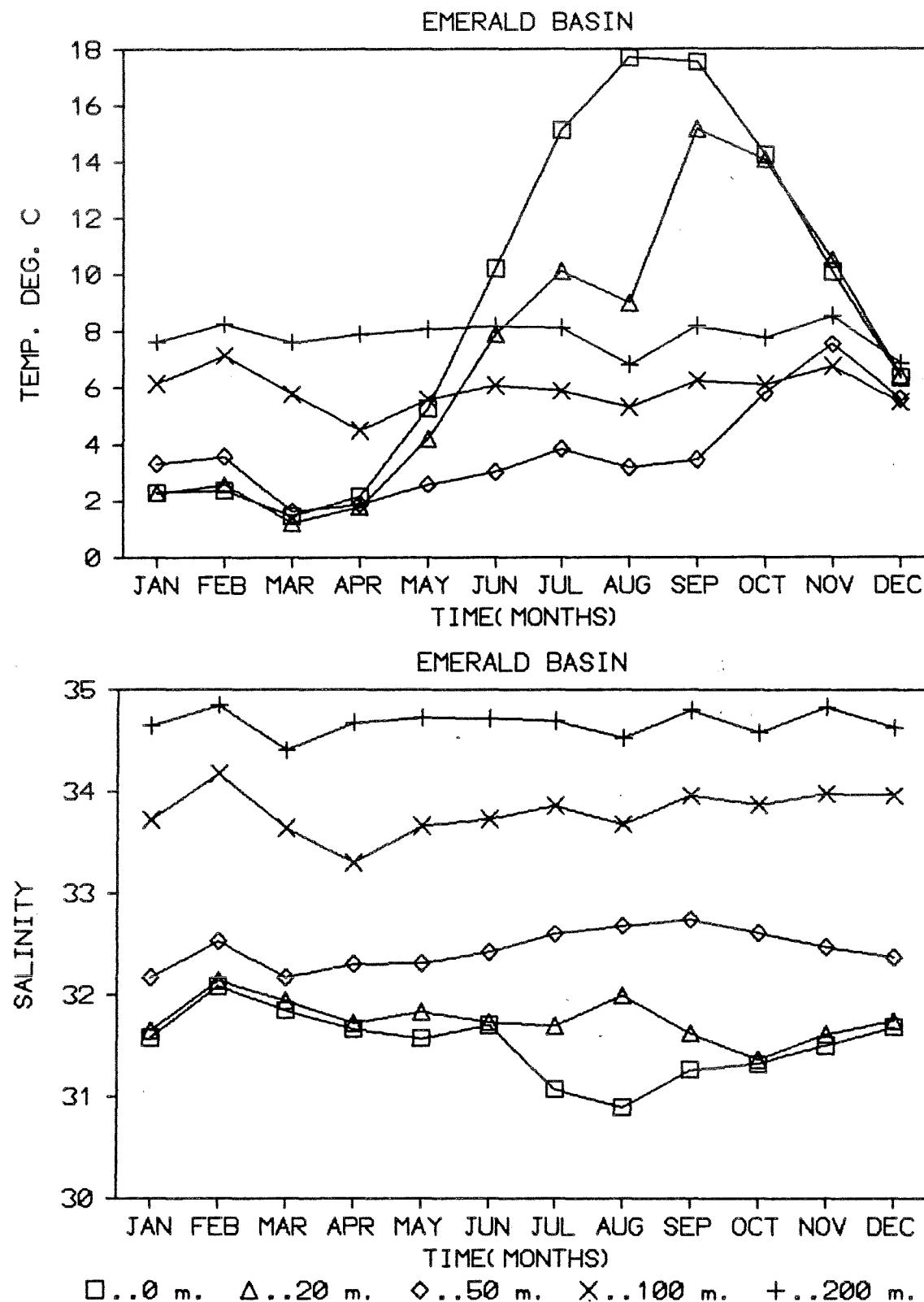


Fig. 5d The seasonal variations of the monthly mean temperature and salinity for subarea 12, Emerald Basin.

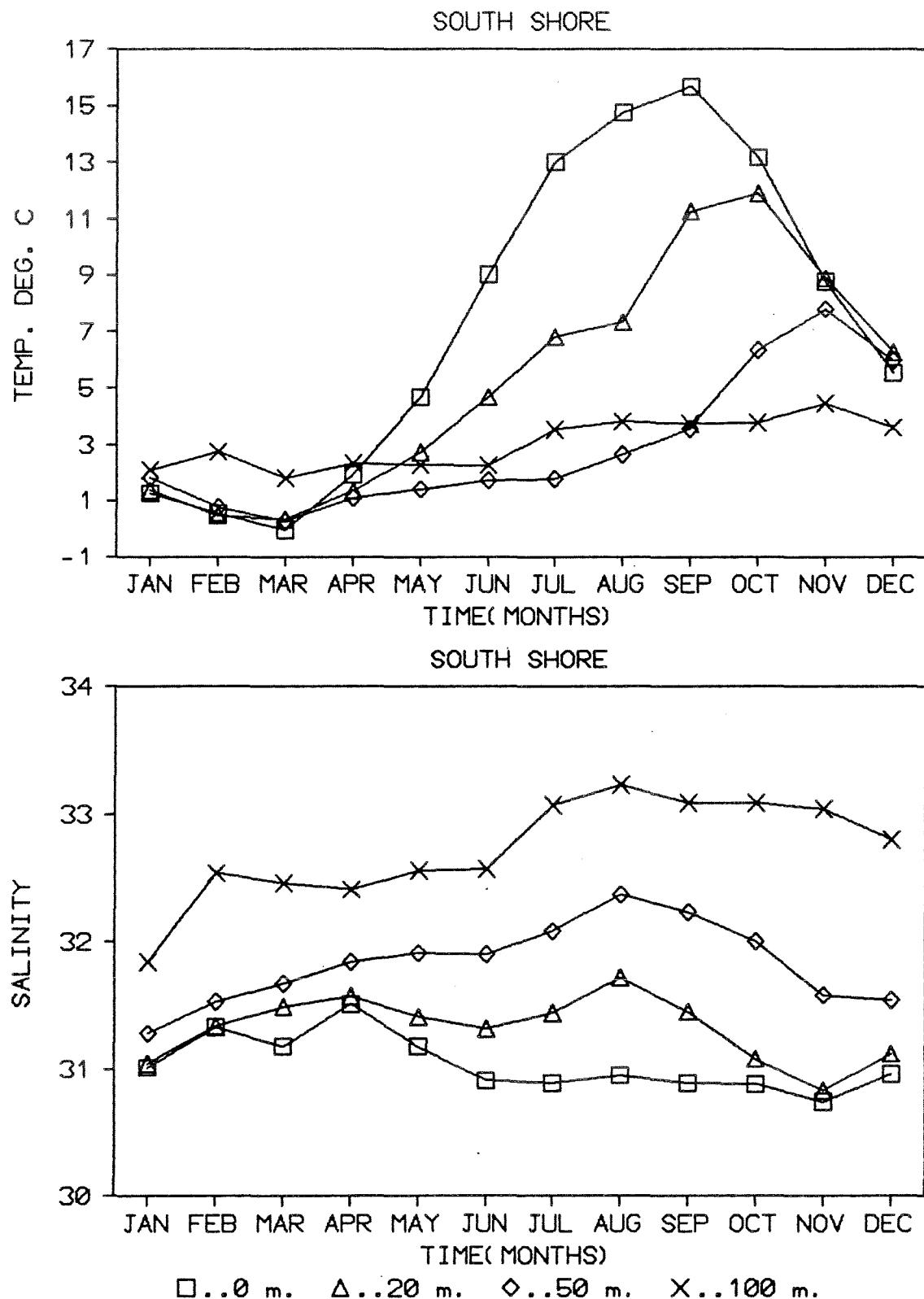


Fig. 5e The seasonal variations of the monthly mean temperature and salinity for subarea 14, South Shore.

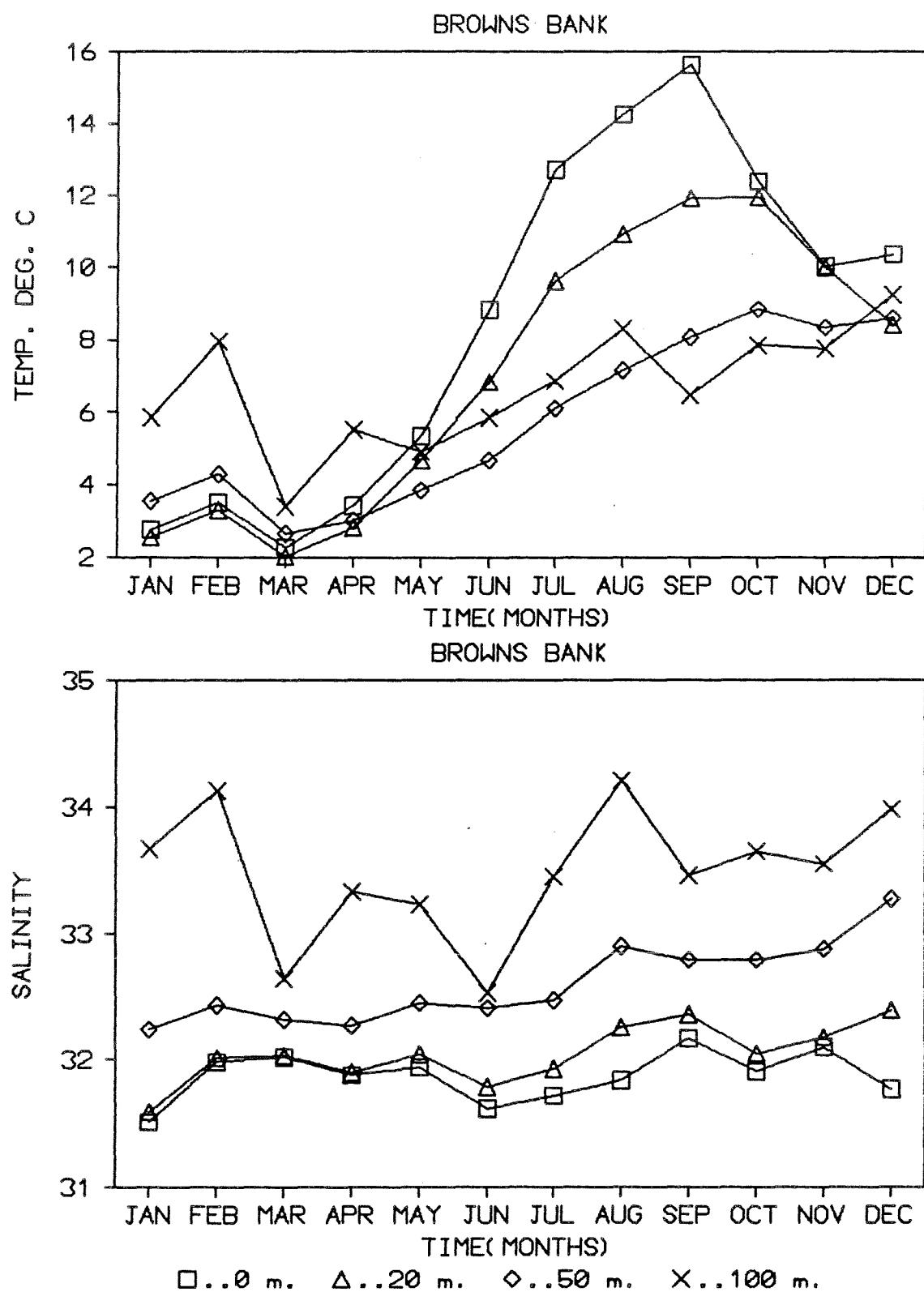


Fig. 5f The seasonal variations of the monthly mean temperature and salinity for subarea 22, Browns Bank.

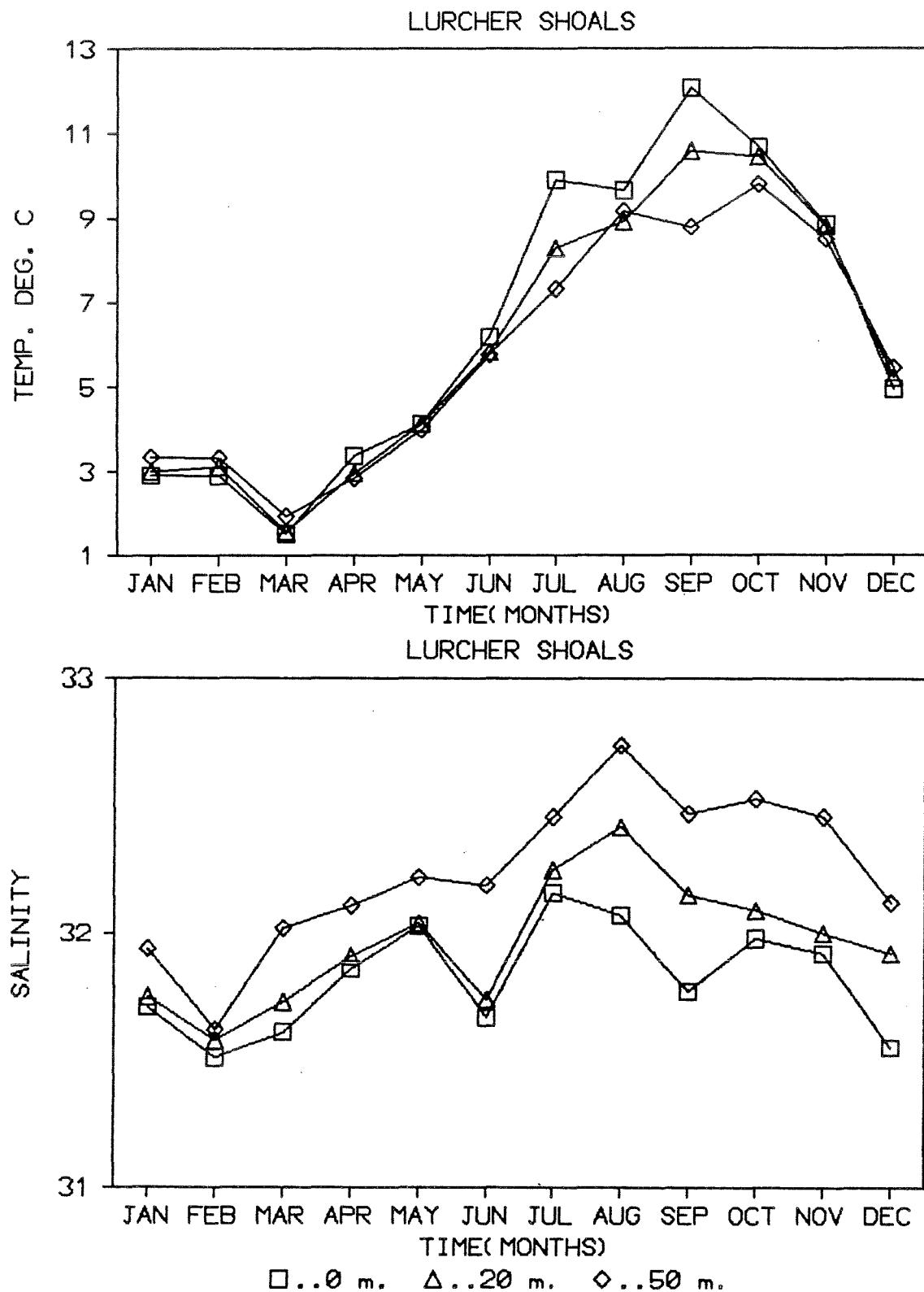
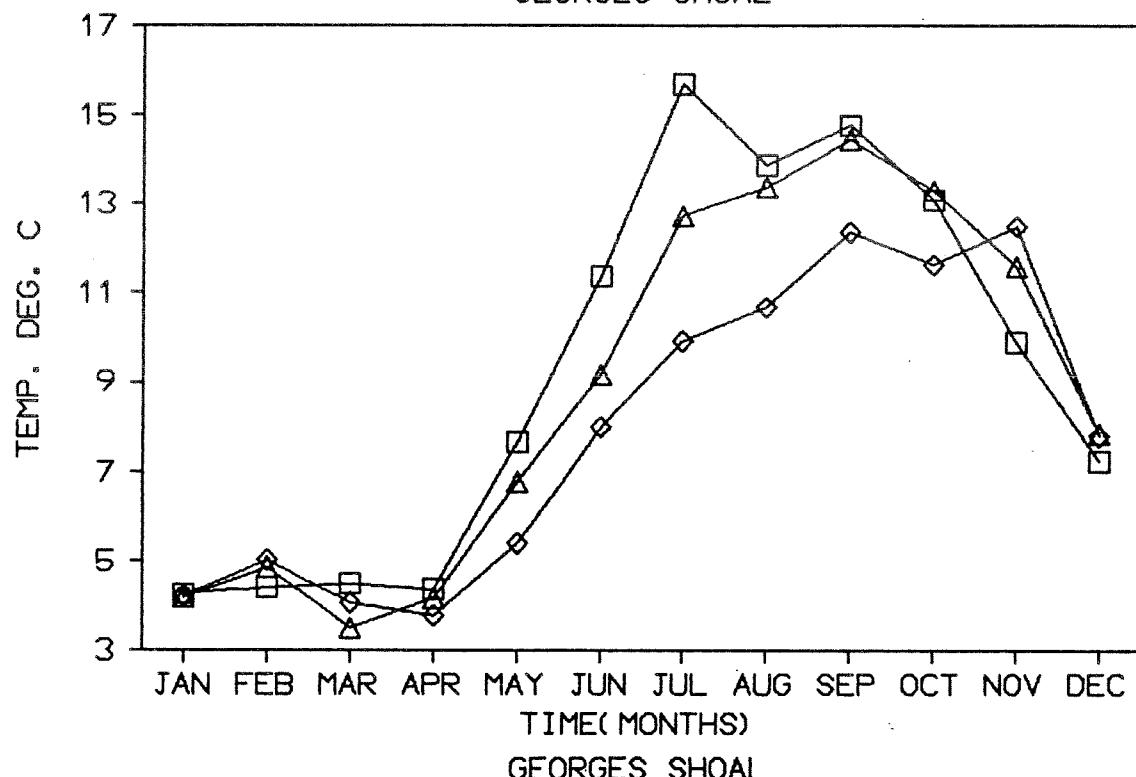


Fig. 5g The seasonal variations of the monthly mean temperature and salinity for subarea 24, Lurker Shoals.

GEORGES SHOAL



GEORGES SHOAL

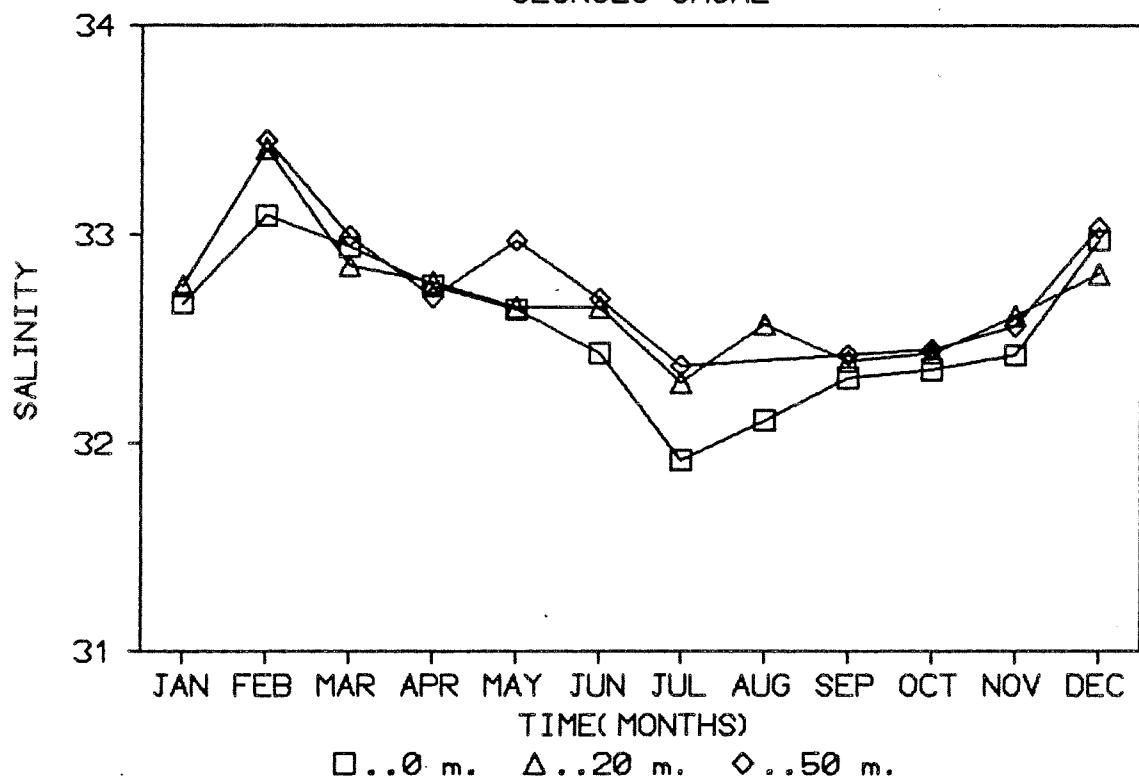


Fig. 5h The seasonal variations of the monthly mean temperature and salinity for subarea 27, Georges Shoal.

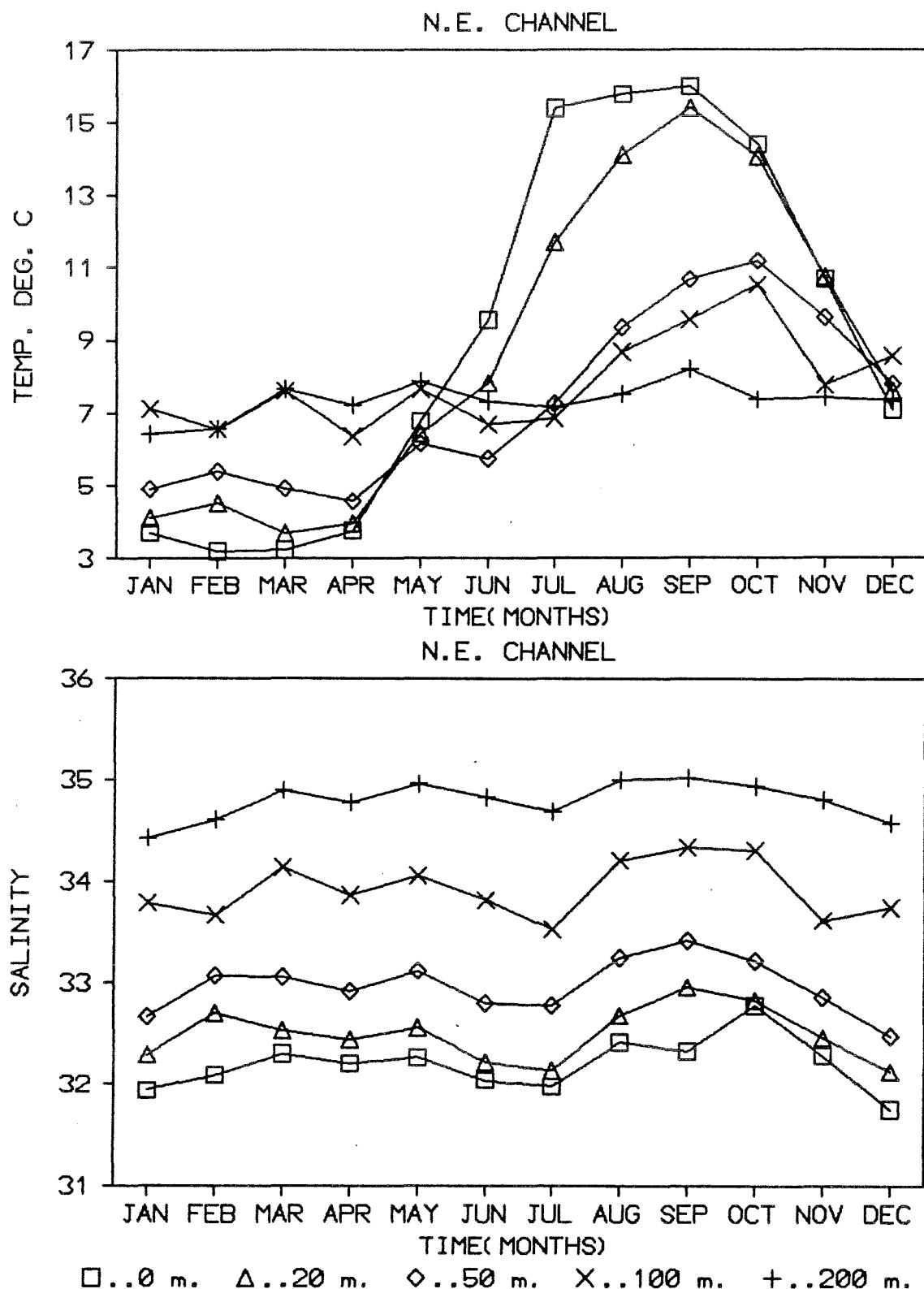


Fig. 5i The seasonal variations of the monthly mean temperature and salinity for subarea 29, Northeast Channel.

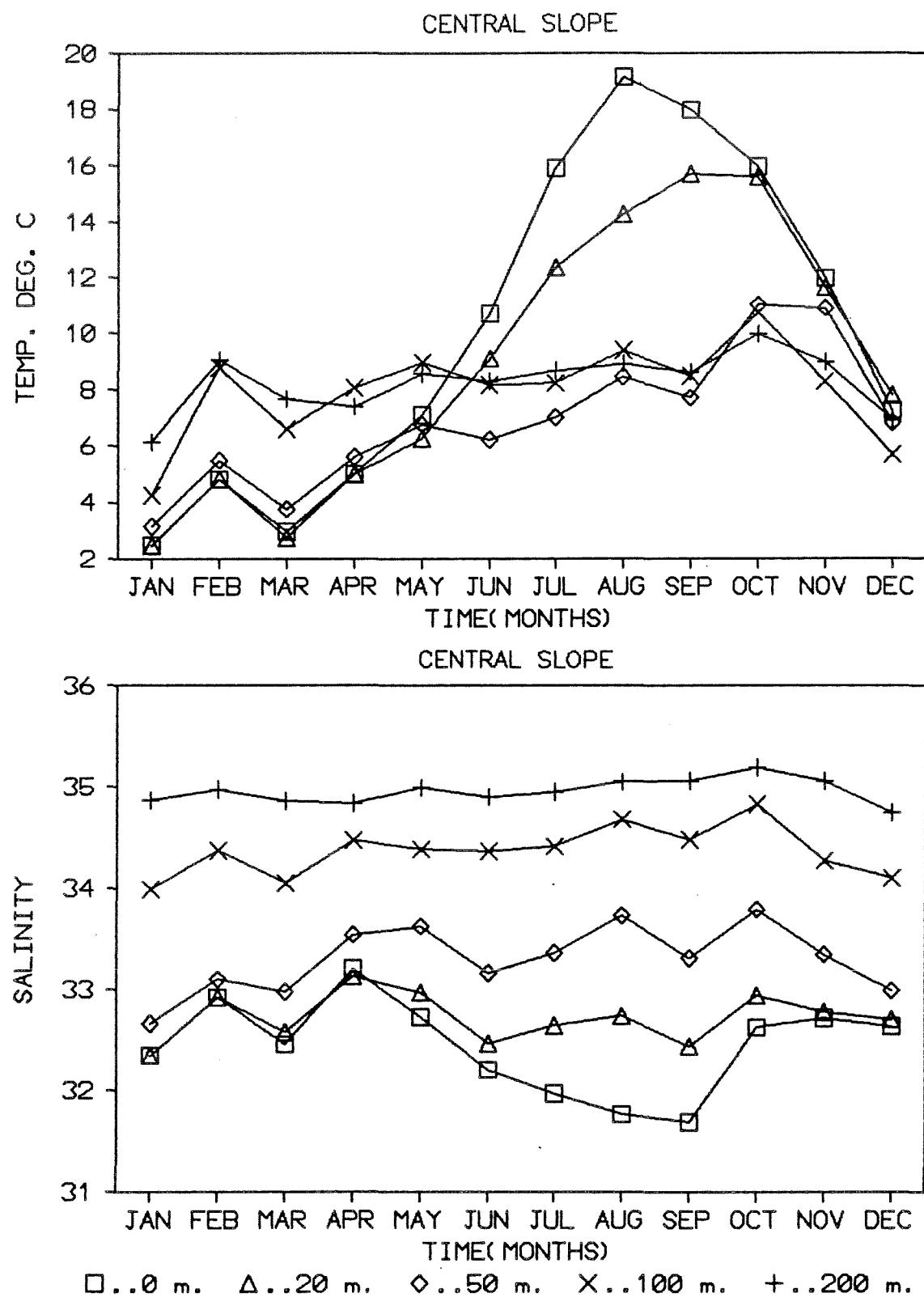


Fig. 5j The seasonal variations of the monthly mean temperature and salinity for subarea 33, Central Slope.

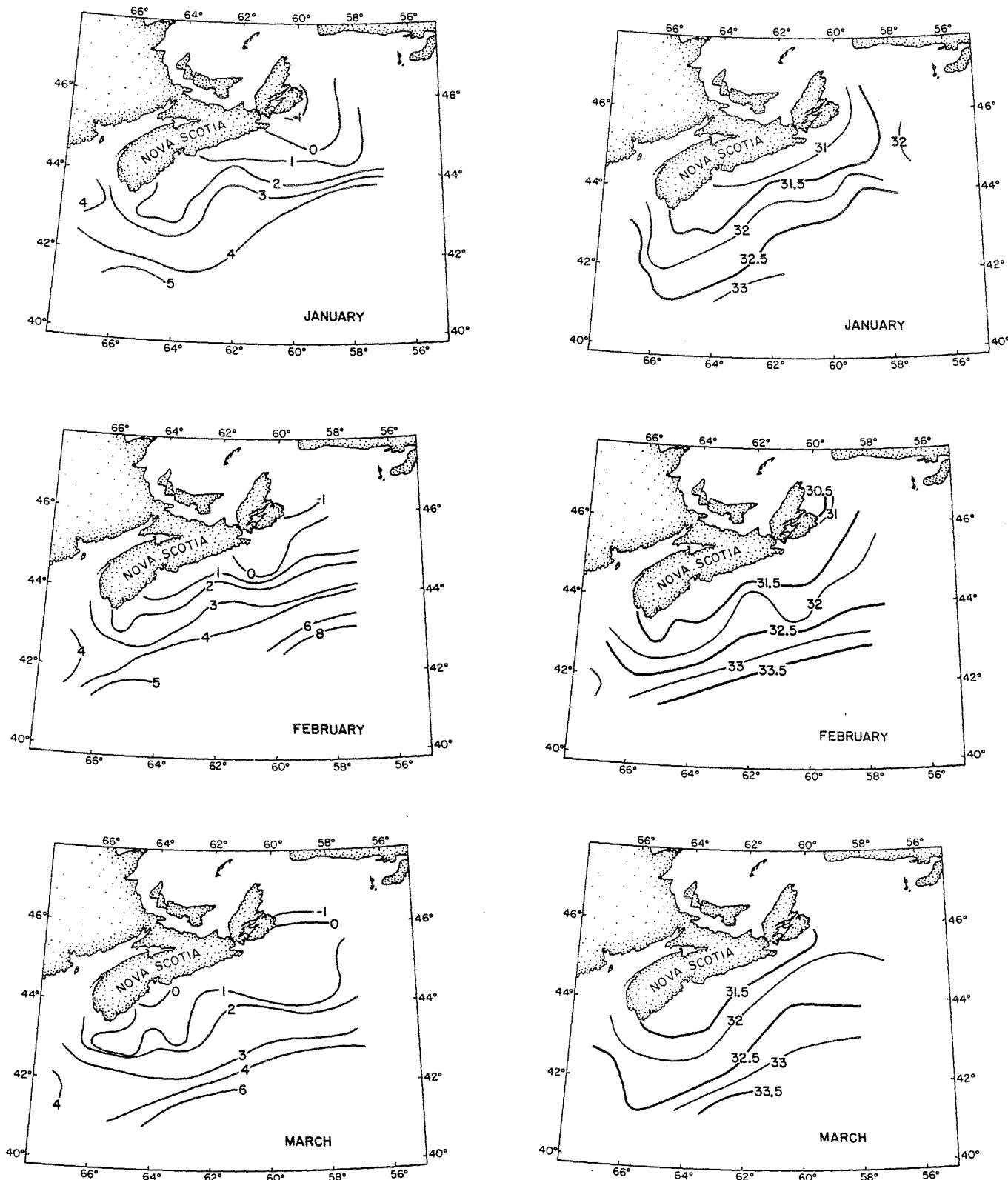


Fig. 6a Monthly mean surface temperature and salinity, January to March.

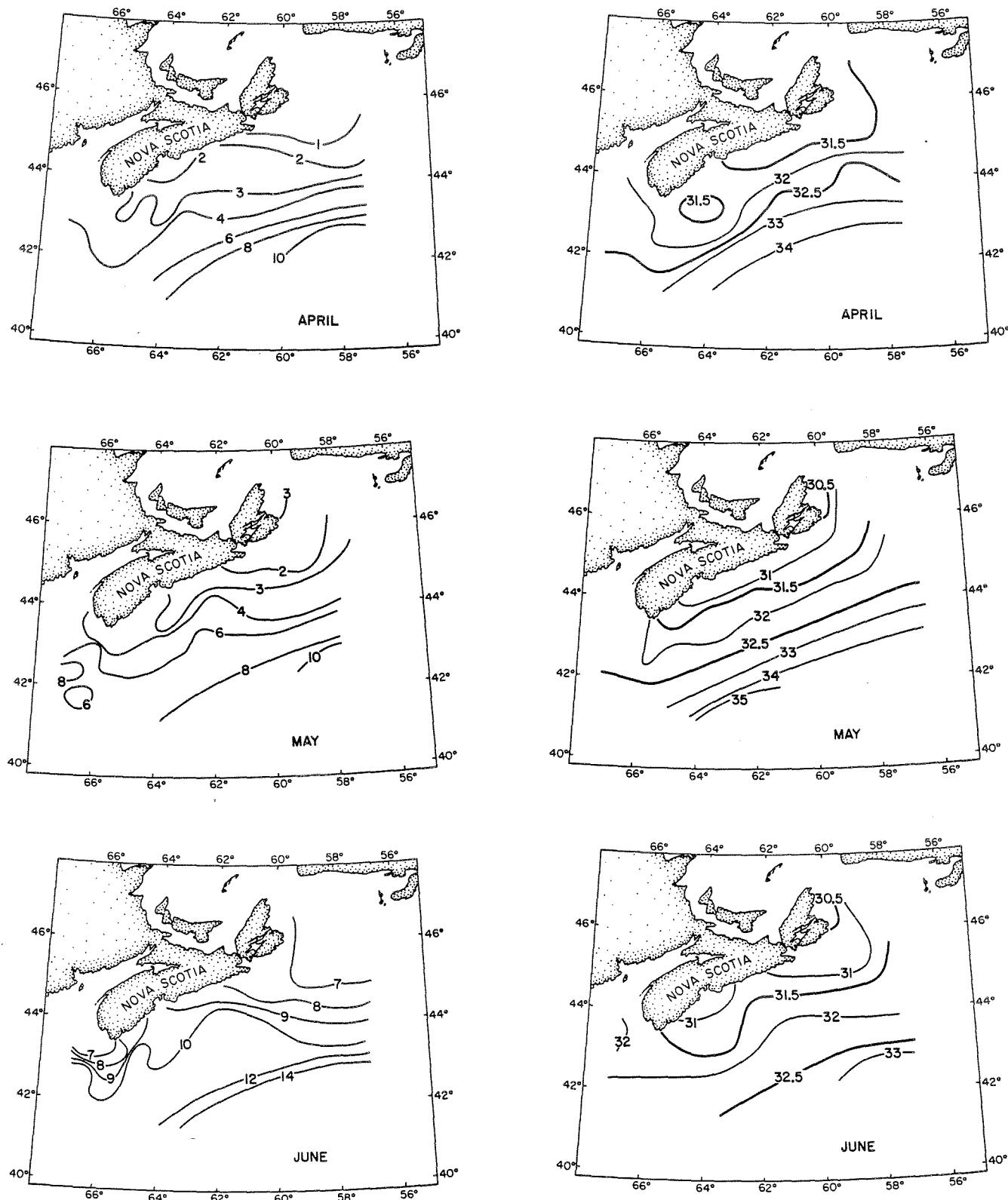


Fig. 6b Monthly mean surface temperature and salinity, April to June.

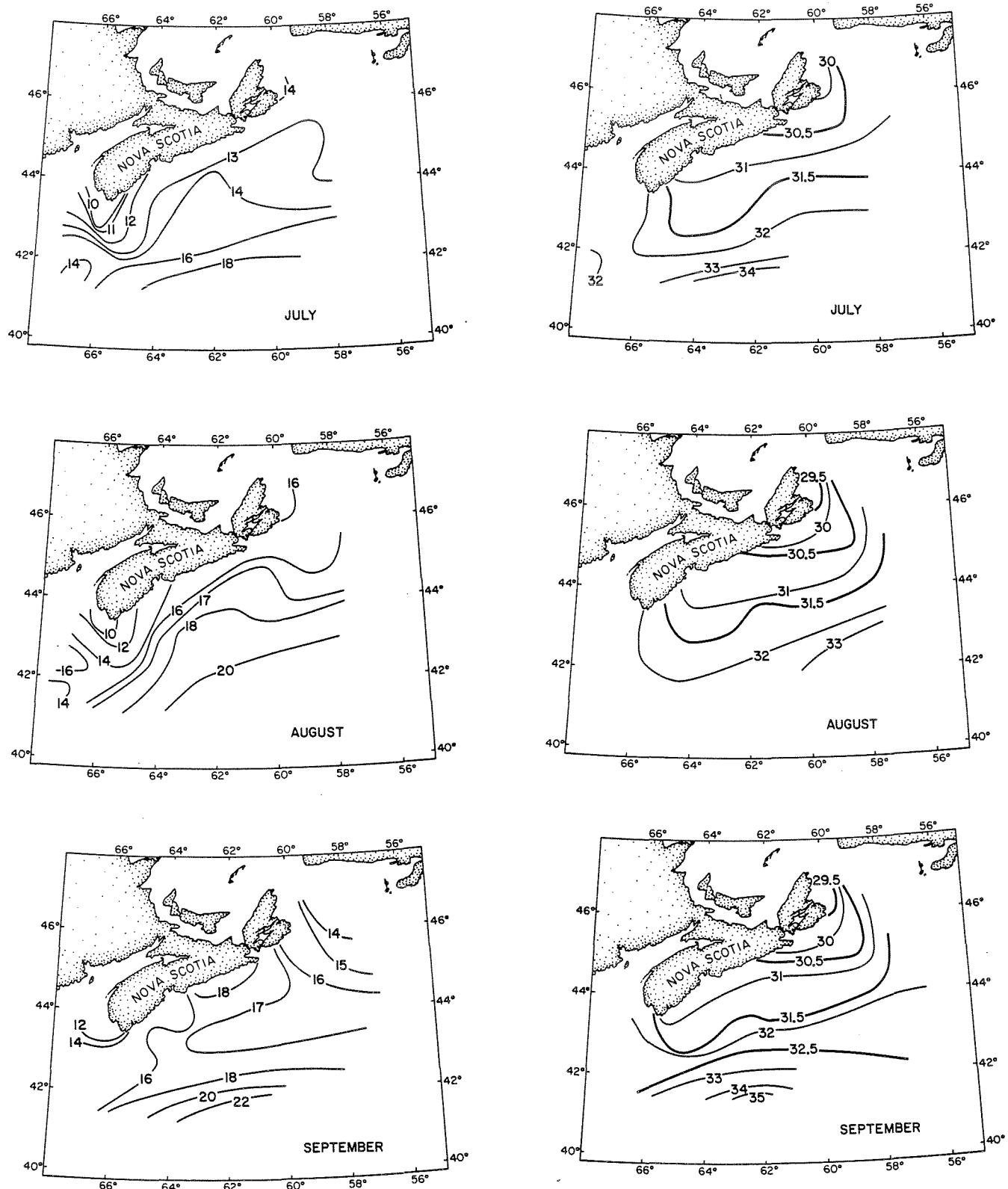


Fig. 6c Monthly mean surface temperature and salinity, July to September.

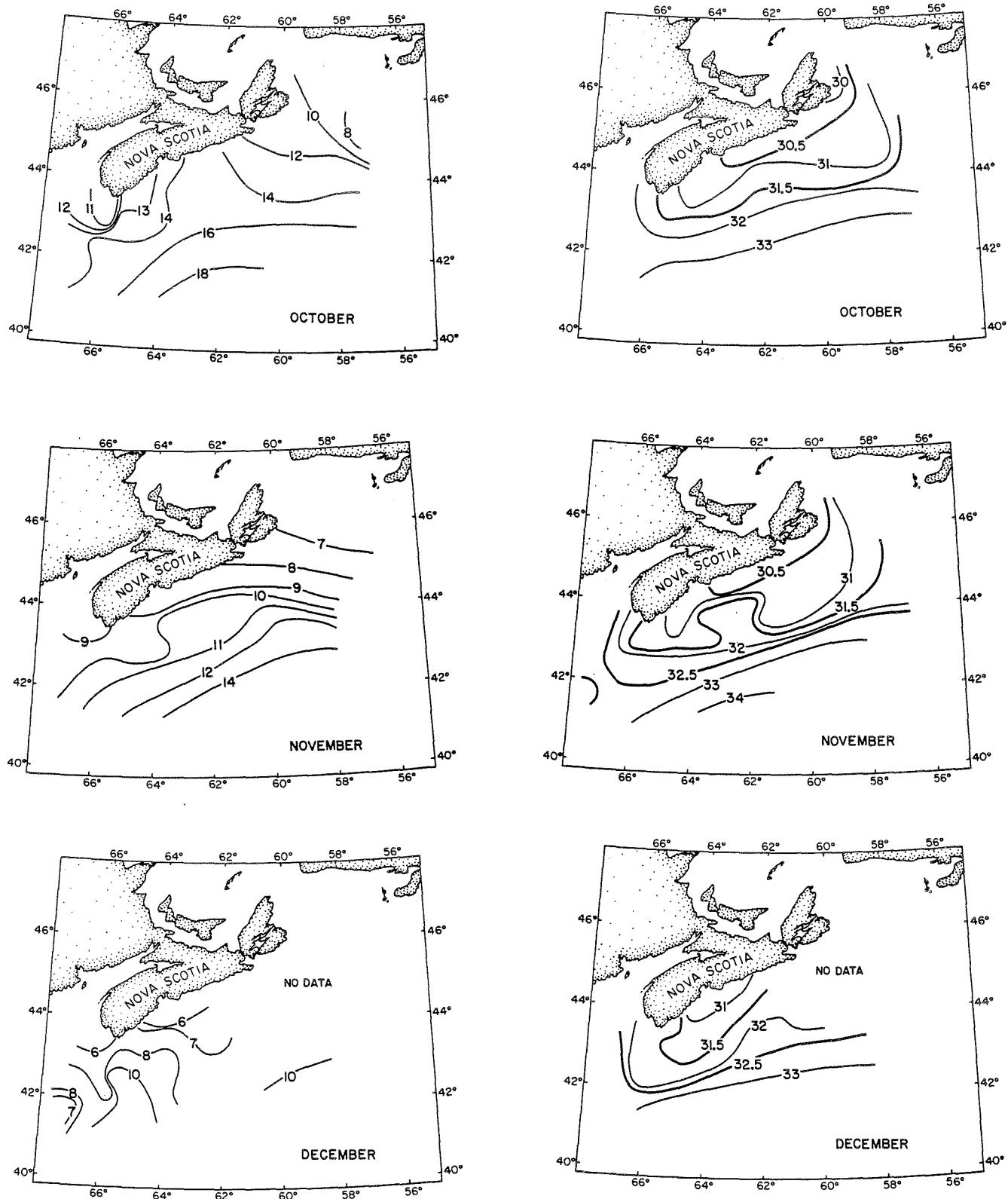


Fig. 6d Monthly mean surface temperature and salinity, October to December.

APPENDIX

Monthly Mean Temperature and Salinity Data

plus their Standard Deviations and Number of Observations

(Note: There is no listing for Subarea 31 due to lack of data)

TEMPERATURE FOR SUBAREA 1 SYDNEY BIGHT

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	-.91 .45 11	-1.46 .52 4	-1.45 .54 19	.26 1.08 9	3.18 1.99 13	7.61 2.11 26	14.53 3.14 24	17.14 1.28 38	15.26 1.72 18	11.32 1.98 9	6.49 1.33 21	0.00 0.00 0
10	-1.19 .52 11	-1.16 .79 6	-1.44 .56 29	.01 1.01 9	2.48 1.71 14	7.05 2.39 28	13.43 3.31 24	16.58 1.71 38	15.03 1.83 18	11.51 1.96 11	6.46 1.29 29	0.00 0.00 0
20	-1.21 .52 11	-1.13 .84 6	-1.42 .60 29	-.17 .97 9	2.03 1.67 14	5.74 2.37 28	10.74 4.10 24	13.25 4.32 38	14.31 2.63 18	10.89 1.95 11	6.29 1.38 29	0.00 0.00 0
30	-1.14 .52 11	-1.09 .86 6	-1.40 .65 29	-.25 .93 9	1.65 1.64 13	4.30 2.53 28	6.44 3.73 24	7.78 4.36 40	12.20 3.68 18	9.55 2.17 11	6.07 1.50 29	0.00 0.00 0
50	-1.16 .58 11	-.81 .86 6	-1.37 .69 29	-.42 .85 9	.50 1.28 13	1.66 2.16 27	2.23 1.66 23	2.06 1.14 40	5.22 4.72 17	5.12 3.27 10	5.25 1.46 29	0.00 0.00 0
75	-.82 .60 8	-.38 1.00 5	-1.01 .86 20	.33 .84 6	.56 .85 10	.78 1.33 19	1.07 .72 17	1.18 .88 31	3.03 4.10 14	2.00 1.72 6	3.91 1.55 13	0.00 0.00 0
100	-.01 .82 7	1.24 .87 2	.04 .87 11	.83 1.56 4	1.06 .53 9	.95 .48 13	1.49 .51 15	1.15 .53 25	1.80 1.39 12	.86 .59 4	1.65 .47 8	0.00 0.00 0
150	1.76 .90 4	2.67 .90 2	3.90 .64 7	0.00 0.00 0	2.30 1.39 7	3.40 .58 5	3.46 1.46 8	2.61 1.10 11	2.96 1.42 7	2.43 .25 2	2.83 1.58 3	0.00 0.00 0
200	0.00 0.00 0	0.00 .27 0	4.83 0.00 3	0.00 0.00 0	0.00 0.00 0	4.30 0.00 1	4.32 0.00 1	4.83 0.00 1	3.55 0.00 1	2.77 0.00 1	4.83 .59 3	0.00 0.00 0
250	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	4.87 0.00 1	6.75 0.00 1	0.00 0.00 0	4.40 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0
300	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	4.91 0.00 1	5.99 0.00 1	0.00 0.00 0	4.20 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0
	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	1 1 1	1 1 1	0 0 0	1 1 0	0 0 0	0 0 0	0 0 0

TEMPERATURE FOR SUBAREA 2 N. LAURENTIAN CHANNEL

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	-.22	-1.30	-1.13	.15	2.79	6.37	13.10	15.65	13.40	8.65	6.08	0.00
	1.05	.63	1.13	.86	1.33	1.74	2.71	1.40	1.90	1.99	1.49	0.00
	11	13	44	21	31	58	35	75	31	17	59	0
10	-.26	-1.00	-1.16	.13	2.39	5.87	11.89	14.48	13.14	8.37	6.00	0.00
	.99	.91	1.02	.84	1.41	1.74	2.53	2.55	2.03	2.07	1.41	0.00
	11	15	48	22	34	60	36	78	31	26	59	0
20	-.27	-.93	-1.15	.08	2.06	4.42	6.89	9.45	9.72	7.29	5.96	0.00
	1.00	.93	1.02	.84	1.46	1.78	3.19	4.36	4.11	1.91	1.46	0.00
	11	15	48	22	34	60	36	78	31	26	59	0
30	-.21	-.80	-1.11	.04	1.67	2.47	3.21	4.56	5.72	6.01	5.60	0.00
	1.00	.95	1.04	.87	1.66	1.68	2.27	3.05	4.07	2.01	1.42	0.00
	11	15	48	22	34	60	36	78	31	26	59	0
50	.20	-.37	-.99	.01	.97	.40	.90	1.52	3.23	2.80	3.39	0.00
	.82	.93	1.15	.89	1.55	.90	.80	.94	3.58	1.55	1.74	0.00
	11	15	48	22	34	60	36	78	31	26	59	0
75	.50	.09	-.77	.39	.80	.23	.64	1.01	2.04	1.42	1.47	0.00
	.69	.93	1.13	.65	1.09	.62	.78	.80	2.44	.58	1.15	0.00
	11	15	48	22	34	59	36	78	30	26	59	0
100	.73	.60	-.09	.94	.97	.64	1.11	.84	1.48	1.74	1.11	0.00
	.55	.82	1.06	.61	1.04	.61	1.00	.64	1.35	1.25	.78	0.00
	11	15	48	22	34	59	36	78	30	26	59	0
150	1.71	2.08	2.47	2.78	2.11	2.53	3.25	2.39	2.51	4.04	2.39	0.00
	.53	.91	.63	.72	1.34	.94	.88	.94	.86	1.69	1.23	0.00
	11	15	48	22	34	58	36	77	30	26	56	0
200	3.58	4.36	4.61	4.55	3.74	4.47	4.92	4.05	3.97	5.32	4.26	0.00
	.67	.85	.54	.76	1.42	.84	.59	1.09	1.26	.82	.86	0.00
	11	14	47	22	34	57	36	77	30	25	54	0
250	4.75	4.89	5.28	4.76	4.45	4.90	5.11	4.54	4.25	5.21	4.76	0.00
	.71	.43	.29	.59	1.07	.52	.36	.70	1.39	.44	.60	0.00
	11	13	38	21	33	56	33	73	24	21	46	0
300	4.92	4.93	5.03	4.86	4.54	4.88	4.94	4.56	4.40	4.92	4.81	0.00
	.31	.48	.17	.38	.74	.34	.29	.48	1.03	.27	.49	0.00
	10	10	33	19	30	51	31	68	22	15	36	0
400	4.73	4.64	4.50	4.67	4.59	4.61	4.61	4.46	4.39	4.53	4.59	0.00
	.21	.16	0.00	.16	.54	.25	.17	.26	.21	.23	.26	0.00
	5	6	1	14	20	36	17	56	11	5	21	0
500	0.00	0.00	0.00	0.00	4.67	0.00	0.00	4.88	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	.39	0.00	0.00	.11	0.00	0.00	0.00	0.00
	0	0	0	0	3	0	0	3	0	0	0	0

TEMPERATURE FOR SUBAREA 3 S. LAURENTIAN CHANNEL

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	1.35 .38 2	.64 1.13 3	1.41 .14 2	1.03 1.34 6	4.07 .28 3	6.83 1.97 14	13.07 2.37 16	16.62 .72 22	14.60 .14 2	7.74 .54 2	7.00 .94 4	0.00 0.00 0
10	1.34 .38 2	.84 .99 4	1.45 .11 2	1.18 1.35 7	4.10 .39 3	6.14 1.73 14	11.28 3.78 16	16.36 .51 22	15.97 1.19 5	7.69 .52 2	7.07 .94 4	0.00 0.00 0
20	1.33 .38 2	.92 .95 4	1.51 .07 2	1.14 1.34 7	4.14 .53 3	5.12 1.91 14	8.33 3.39 16	9.97 3.74 22	13.56 .56 5	7.92 .19 2	7.06 .95 4	0.00 0.00 0
30	1.33 .38 2	.91 1.00 4	1.55 .05 2	1.01 1.30 7	4.18 .68 3	3.36 2.50 14	5.11 3.02 16	5.04 3.29 22	9.81 .87 5	7.63 .61 2	6.76 1.22 4	0.00 0.00 0
50	1.36 .35 2	1.06 1.03 4	1.76 .24 2	.76 1.45 7	4.25 .98 3	1.05 1.22 14	2.00 2.02 16	1.74 1.10 22	2.57 1.48 5	3.73 1.60 2	4.75 2.03 4	0.00 0.00 0
75	1.40 .30 2	1.22 1.04 4	2.31 .87 2	.77 1.38 7	4.07 1.54 3	.81 1.12 14	1.42 2.08 16	.68 .83 22	1.15 1.42 5	2.36 .32 2	.46 .67 4	0.00 0.00 0
100	1.43 .26 2	1.12 1.20 4	1.87 1.55 2	1.24 1.34 7	3.80 2.21 3	1.76 1.89 14	1.83 1.91 16	.50 1.18 22	1.51 1.87 5	2.16 .89 2	-.30 .67 4	0.00 0.00 0
150	1.51 .26 2	2.40 1.24 4	4.89 1.61 2	3.52 1.35 7	4.42 2.47 3	3.48 2.15 14	4.99 2.13 15	3.38 1.04 22	3.60 2.21 5	3.09 .86 2	3.88 .76 4	0.00 0.00 0
200	2.39 .77 2	3.91 1.19 4	0.00 0.00 0	4.97 .80 7	4.96 2.64 3	5.28 1.62 14	5.77 1.42 15	4.77 1.08 22	5.28 1.99 5	5.11 0.00 1	5.33 .28 4	0.00 0.00 0
250	3.09 0.00 1	4.21 2.02 3	0.00 0.00 0	5.39 .54 5	4.64 1.40 3	5.23 .84 10	5.23 1.37 14	4.88 .52 22	5.34 1.90 3	5.21 0.00 1	4.36 1.18 2	0.00 0.00 0
300	4.45 0.00 1	4.71 .93 3	0.00 0.00 0	5.10 .37 5	4.42 .51 3	5.01 .53 10	4.60 1.92 12	4.84 .34 22	4.40 1.23 2	0.00 0.00 0	4.96 0.00 1	0.00 0.00 0
400	4.28 0.00 1	4.53 .02 2	0.00 0.00 0	4.77 .10 2	4.03 .04 2	4.43 .35 9	3.78 2.07 8	4.49 .17 18	4.30 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0

TEMPERATURE FOR SUBAREA 4 BANQUEREAU

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	.52	2.20	.91	1.61	4.43	7.72	13.41	16.08	0.00	12.41	8.43	0.00
	.62	.71	.85	.94	1.43	1.77	3.62	2.30	0.00	2.35	1.91	0.00
	5	5	10	8	10	26	41	26	0	9	13	0
10	.62	2.01	.80	1.47	4.04	6.87	13.31	15.19	18.05	12.12	8.33	0.00
	.56	.50	.82	.96	1.27	1.57	2.67	3.43	.94	2.22	1.85	0.00
	5	10	10	8	10	31	41	26	4	11	13	0
20	.60	2.03	.77	1.24	3.58	5.76	10.51	11.69	12.88	12.06	8.18	0.00
	.56	.48	.80	1.12	1.19	1.54	2.63	3.34	2.20	2.22	1.86	0.00
	5	10	10	8	10	31	41	26	4	11	13	0
30	.57	2.05	.75	1.16	3.33	4.32	5.95	6.94	7.71	10.34	7.91	0.00
	.57	.49	.79	1.01	1.02	1.88	2.29	2.66	3.79	2.92	1.92	0.00
	5	10	10	8	10	30	41	25	4	11	13	0
50	.78	2.10	.85	.90	2.55	3.09	3.07	3.22	3.73	5.26	4.42	0.00
	.41	.36	.86	.99	.83	2.12	1.30	1.93	1.34	2.41	2.12	0.00
	5	9	10	8	9	26	36	18	4	9	11	0
75	1.98	2.17	.85	1.03	3.12	3.70	2.28	3.49	2.66	3.29	2.00	0.00
	.45	.41	.94	.59	1.19	2.42	1.60	2.08	.17	2.24	1.27	0.00
	4	7	6	5	2	13	18	10	2	6	5	0
100	0.00	2.20	1.45	2.10	4.53	3.95	3.69	4.51	0.00	3.21	1.21	0.00
	0.00	.79	1.76	1.92	0.00	2.68	1.96	2.60	0.00	2.22	1.15	0.00
	0	7	6	5	2	12	13	10	0	6	5	0
150	0.00	3.61	4.41	4.10	6.42	5.69	7.48	5.94	0.00	5.53	2.54	0.00
	0.00	.62	.81	1.27	2.64	2.12	2.10	3.93	0.00	2.28	2.49	0.00
	0	6	5	4	2	7	7	6	0	3	5	0
200	0.00	4.52	4.45	5.69	7.42	6.00	7.92	5.79	0.00	7.95	5.55	0.00
	0.00	1.58	.62	1.09	3.30	1.89	.67	3.29	0.00	.81	.63	0.00
	0	5	4	4	2	4	3	6	0	2	5	0
250	0.00	4.73	5.31	5.34	5.15	4.93	7.16	5.86	0.00	6.59	5.82	0.00
	0.00	1.40	0.00	.58	.51	1.85	.01	2.19	0.00	0.00	1.11	0.00
	0	2	1	4	2	3	2	5	0	1	5	0
300	0.00	4.85	0.00	5.02	4.76	3.45	6.71	5.87	0.00	5.91	5.43	0.00
	0.00	.17	0.00	.41	.38	2.90	0.00	.82	0.00	0.00	.93	0.00
	0	2	0	4	2	3	1	5	0	1	5	0
400	0.00	4.94	0.00	4.72	0.00	4.40	0.00	5.57	0.00	5.39	4.72	0.00
	0.00	0.00	0.00	.41	0.00	.17	0.00	0.00	0.00	0.00	.39	0.00
	0	1	0	3	0	3	0	1	0	1	3	0
500	0.00	0.00	0.00	4.58	0.00	4.26	0.00	0.00	0.00	0.00	4.47	0.00
	0.00	0.00	0.00	.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0	3	0	1	0	0	0	0	1	0
600	0.00	0.00	0.00	0.00	0.00	4.07	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0	0	0	1	0	0	0	0	0	0
800	0.00	0.00	0.00	0.00	0.00	3.82	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0	0	0	1	0	0	0	0	0	0

TEMPERATURE FOR SUBAREA 5 MISAIN BANK

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	-.64	.78	.66	.60	2.79	6.77	14.40	16.73	15.13	11.63	7.61	0.00
	.79	.96	.83	.97	1.27	1.75	1.44	1.28	.91	3.95	2.42	0.00
	9	10	12	8	22	21	44	31	6	14	23	0
10	-.40	.86	.46	.45	2.54	6.26	13.60	16.24	15.96	11.85	7.75	0.00
	.78	.62	.85	.95	1.20	1.55	2.07	1.45	1.20	2.73	1.65	0.00
	9	11	13	8	22	26	44	31	9	15	25	0
20	-.36	.99	.54	.30	2.20	4.81	9.26	11.03	14.23	11.85	7.66	0.00
	.79	.60	.89	.95	1.31	1.54	3.35	3.21	3.42	2.67	1.64	0.00
	9	11	13	8	22	26	44	31	9	15	25	0
30	-.27	1.07	.62	.06	2.08	2.97	4.16	5.62	7.99	9.52	7.17	0.00
	.69	.62	.86	.99	1.26	1.75	2.05	2.47	5.46	1.77	1.77	0.00
	9	11	13	8	22	26	44	31	9	15	25	0
50	.25	1.23	.75	-.20	1.61	.98	1.56	1.72	2.26	3.94	4.39	0.00
	.56	.66	.89	.89	1.26	1.31	.94	.80	1.07	1.55	2.06	0.00
	9	10	13	8	21	26	44	31	9	15	25	0
75	1.24	2.09	.79	.12	1.43	.76	1.46	1.04	1.58	2.25	2.28	0.00
	.48	.85	.88	.88	1.00	1.05	.71	.57	.34	.55	.56	0.00
	9	9	11	8	17	25	38	25	8	14	21	0
100	1.88	2.51	1.14	.25	1.51	1.09	1.73	1.03	1.40	2.27	2.23	0.00
	.35	.33	1.01	.63	1.10	.73	.78	.51	.36	.19	.46	0.00
	4	5	9	6	12	16	27	16	4	8	12	0
150	2.13	2.65	2.34	1.90	1.69	2.60	2.84	2.06	.90	2.34	2.13	0.00
	0.00	.30	.27	1.07	.80	.83	1.03	1.28	0.00	.44	.70	0.00
	1	3	3	4	7	9	16	10	1	4	4	0
200	0.00	2.71	0.00	2.42	1.74	3.08	3.18	2.10	0.00	2.18	2.75	0.00
	0.00	.62	0.00	.68	1.27	.40	1.19	.96	0.00	0.00	1.17	0.00
	0	3	0	2	4	6	12	6	0	1	4	0
250	0.00	0.00	0.00	3.02	2.15	3.44	4.06	2.58	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	.74	0.00	.64	.94	0.00	0.00	0.00	0.00
	0	0	0	1	3	1	4	4	0	0	0	0
300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0	0	0	0	0	1	0	0	0	0

TEMPERATURE FOR SUBAREA 6 CANSO

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	-1.03 .80 14	-.79 .53 9	.50 .88 7	.52 .52 5	2.42 1.08 13	7.22 2.01 20	13.41 2.21 24	17.35 1.67 32	15.48 1.30 15	11.71 3.96 15	7.83 1.23 16	0.00 0.00 0
10	-1.12 .54 14	-.74 .63 10	.15 .73 7	.40 .59 5	1.96 .97 13	6.23 1.64 24	10.84 2.12 24	16.08 1.65 32	14.85 1.63 16	11.09 2.88 19	7.58 .95 20	0.00 0.00 0
20	-1.04 .63 14	-.67 .67 10	.13 .68 7	.38 .64 5	1.46 .92 13	4.43 1.44 24	8.04 1.99 20	12.42 2.79 29	12.57 3.47 15	10.45 2.97 18	7.51 1.03 20	0.00 0.00 0
30	-1.03 .68 14	-.59 .69 10	.22 .61 7	.22 .69 5	.92 .96 13	2.82 1.32 23	4.31 2.39 16	6.73 3.15 24	9.03 5.16 11	9.71 3.08 15	7.32 1.04 20	0.00 0.00 0
50	-.88 .68 14	-.48 .73 10	.13 .76 6	.03 .71 5	.59 1.04 13	1.44 1.43 22	2.46 3.27 14	2.44 1.52 24	4.06 2.25 9	6.43 2.57 13	6.24 .80 16	0.00 0.00 0
75	-.32 .82 11	-.06 .81 7	.29 .80 5	.89 .82 3	.35 .88 7	.72 .72 18	1.87 3.36 13	1.33 .87 21	2.19 1.65 7	2.89 1.00 9	4.60 1.07 12	0.00 0.00 0
100	.70 .60 10	.88 1.17 5	.59 .55 3	1.24 .85 3	.63 .99 6	1.01 1.13 14	1.96 2.69 11	.97 .82 15	1.45 .89 4	2.63 .22 6	2.90 .99 8	0.00 0.00 0
150	2.24 .77 5	2.01 0.00 1	1.14 0.00 1	3.10 1.75 2	0.00 0.00 0	1.85 1.25 7	2.23 1.58 4	3.07 1.22 2	3.32 .66 2	3.41 1.31 3	.80 0.00 1	0.00 0.00 0
200	4.30 .43 3	4.78 0.00 1	0.00 0.00 0	4.59 0.00 1	0.00 0.00 0	0.00 0.00 0	5.75 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0
250	5.12 0.00 1	4.80 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0

TEMPERATURE FOR SUBAREA 7 MIDDLE BANK

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	.28	-.13	.74	2.04	3.75	7.73	14.28	17.27	17.45	0.00	8.65	0.00
	.76	.67	.84	.62	1.89	1.32	1.98	1.45	.35	0.00	1.42	0.00
	11	3	3	2	14	5	30	15	2	0	6	0
10	.34	-.37	.40	1.95	3.04	6.50	12.79	16.71	17.66	0.00	8.77	0.00
	.70	.58	.94	.57	1.42	.73	3.36	1.69	.41	0.00	1.21	0.00
	11	3	3	2	14	7	30	15	3	0	12	0
20	.41	-.37	.37	1.88	2.19	4.90	8.89	11.55	11.44	0.00	8.53	0.00
	.69	.60	.91	.50	.97	.54	2.96	3.71	2.50	0.00	1.29	0.00
	11	3	3	2	14	7	30	15	3	0	12	0
30	.51	-.36	.33	1.80	1.77	3.52	6.01	6.75	6.81	0.00	8.23	0.00
	.65	.59	.89	.52	1.30	1.27	2.11	2.65	3.83	0.00	1.54	0.00
	11	3	3	2	14	7	30	15	3	0	12	0
50	.92	-.58	.28	1.22	.90	1.07	3.46	2.00	2.03	0.00	6.33	0.00
	.63	.09	.83	0.00	1.07	1.08	3.27	1.20	1.55	0.00	2.10	0.00
	10	2	3	1	14	6	21	14	3	0	12	0
75	1.60	1.83	.97	2.96	.78	.29	2.31	1.25	1.37	0.00	4.34	0.00
	.63	0.00	.26	0.00	.86	.79	.53	.64	1.82	0.00	1.53	0.00
	5	1	3	1	10	4	11	8	2	0	11	0
100	1.91	2.10	1.15	4.51	.94	.91	2.59	1.12	.98	0.00	3.49	0.00
	.34	0.00	.13	0.00	1.00	.56	.69	.56	.88	0.00	.97	0.00
	5	1	2	1	8	3	8	7	2	0	7	0
150	1.65	2.53	1.50	0.00	1.21	1.04	2.92	1.21	.60	0.00	0.00	0.00
	.29	0.00	0.00	0.00	1.14	.60	.14	.58	0.00	0.00	0.00	0.00
	2	1	1	0	5	3	2	5	1	0	0	0
200	1.72	2.58	0.00	0.00	1.72	.99	0.00	1.57	.78	0.00	0.00	0.00
	.43	0.00	0.00	0.00	1.63	0.00	0.00	.51	0.00	0.00	0.00	0.00
	2	1	0	0	4	1	0	3	1	0	0	0

TEMPERATURE FOR SUBAREA 8 THE GULLY

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	1.27	0.00	.98	2.36	4.84	8.93	14.96	16.75	0.00	0.00	9.90	0.00
	0.00	0.00	.66	.50	2.25	1.10	1.45	.21	0.00	0.00	0.00	0.00
	1	0	6	10	7	2	16	2	0	0	1	0
10	1.32	2.27	.89	2.19	4.75	6.85	13.78	16.11	0.00	0.00	9.88	0.00
	0.00	.46	.66	.54	2.29	1.76	2.00	.52	0.00	0.00	0.00	0.00
	1	3	6	10	7	3	16	2	0	0	1	0
20	1.32	2.29	.74	2.10	4.25	5.60	9.96	14.48	0.00	0.00	9.90	0.00
	0.00	.44	.56	.47	2.03	1.85	2.32	1.74	0.00	0.00	0.00	0.00
	1	3	6	10	7	3	16	2	0	0	1	0
30	1.32	2.31	.68	1.93	3.39	4.11	5.88	7.02	0.00	0.00	9.91	0.00
	0.00	.42	.53	.52	1.05	1.46	2.02	.60	0.00	0.00	0.00	0.00
	1	3	6	10	7	3	13	2	0	0	1	0
50	1.34	2.38	.70	1.78	3.04	2.59	3.25	3.17	0.00	0.00	9.56	0.00
	0.00	.41	.51	.43	1.29	1.44	.83	.80	0.00	0.00	0.00	0.00
	1	3	6	8	6	3	13	2	0	0	1	0
75	1.51	3.03	.86	1.94	2.74	2.03	3.29	3.11	0.00	0.00	6.13	0.00
	0.00	.27	.60	.25	.96	1.00	.50	.95	0.00	0.00	0.00	0.00
	1	3	6	6	3	3	12	2	0	0	1	0
100	2.88	3.60	1.15	4.76	4.40	2.75	4.09	3.62	0.00	0.00	4.47	0.00
	0.00	.22	.68	0.00	.89	2.17	.65	1.37	0.00	0.00	0.00	0.00
	1	3	6	1	3	3	12	2	0	0	1	0
150	2.96	3.96	1.99	0.00	7.05	7.53	5.00	4.73	0.00	0.00	0.00	0.00
	0.00	.07	.34	0.00	1.72	0.00	.56	1.18	0.00	0.00	0.00	0.00
	1	2	6	0	3	1	8	2	0	0	0	0
200	1.33	4.42	3.16	0.00	8.17	0.00	5.43	0.00	0.00	0.00	0.00	0.00
	0.00	.32	1.08	0.00	1.00	0.00	.49	0.00	0.00	0.00	0.00	0.00
	1	2	5	0	2	0	8	0	0	0	0	0
250	2.15	4.47	3.92	0.00	8.16	0.00	4.89	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	1.62	0.00	.09	0.00	.10	0.00	0.00	0.00	0.00	0.00
	1	1	3	0	2	0	2	0	0	0	0	0
300	2.97	0.00	4.10	0.00	6.07	0.00	4.49	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1	0	1	0	1	0	1	0	0	0	0	0
400	0.00	0.00	0.00	0.00	4.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0	0	1	0	0	0	0	0	0	0

TEMPERATURE FOR SUBAREA 9 SABLE ISLAND

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	1.58 .54	2.50 0.00	2.84 2.37	2.25 .31	4.44 .85	10.03 .18	13.75 4.09	17.05 .21	0.00 0.00	13.50 0.00	11.02 .21	7.00 0.00
	6	1	3	6	9	6	17	2	0	1	4	1
10	1.71 .39	2.53 0.00	2.23 2.04	1.90 .08	4.29 .87	8.68 .57	13.07 2.29	16.67 .33	17.65 .07	14.06 0.00	9.91 .45	6.99 0.00
	6	1	3	6	9	6	17	2	2	1	4	1
20	1.71 .40	2.47 0.00	2.24 2.05	1.77 .13	3.98 .76	7.29 .44	10.34 2.61	15.31 .82	15.03 .39	14.11 0.00	9.87 .41	7.00 0.00
	6	1	3	6	9	6	17	2	2	1	4	1
30	1.77 .38	2.44 0.00	2.26 2.08	1.61 .09	3.62 .84	6.34 .45	8.07 2.09	12.09 4.43	12.40 .85	14.22 0.00	9.77 .27	6.61 0.00
	6	1	3	6	9	6	17	2	2	1	4	1
50	2.77 1.22 .3	2.63 0.00 1	2.28 2.18 3	1.71 .04	3.04 .76	5.79 .19	4.74 1.58	2.16 0.00	7.50 0.00	6.84 0.00	8.55 .42	5.39 0.00
	0	0	1	3	7	6	9	1	1	1	1	3
75	0.00 0.00 0	0.00 0.00 0	5.28 0.00 1	0.00 0.00 0	2.60 0.00 1	7.45 0.00 1	4.71 .49	3.26 0.00	0.00 0.00	6.08 0.00	0.00 0.00	2.94 0.00
	0	0	1	0	1	1	5	1	0	1	0	1
100	0.00 0.00 0	0.00 0.00 0	6.73 0.00 1	0.00 0.00 0	4.90 0.00 0	0.00 0.00 0	4.35 1.20	7.29 0.00	0.00 0.00	5.06 0.00	0.00 0.00	0.00 0.00
	0	0	1	0	1	0	2	1	0	1	0	0
150	0.00 0.00 0	0.00 0.00 0	8.07 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 .18	6.33 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00
	0	0	1	0	0	0	2	0	0	0	0	0
200	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00	5.75 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00
	0	0	0	0	0	0	1	0	0	0	0	0
250	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00	6.29 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00
	0	0	0	0	0	0	1	0	0	0	0	0
300	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00	6.80 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00
	0	0	0	0	0	0	1	0	0	0	0	0
400	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00	5.50 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00
	0	0	0	0	0	0	1	0	0	0	0	0

TEMPERATURE FOR SUBAREA 10 WESTERN BANK

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	3.36 .98	3.39 1.39	2.52 .90	3.55 1.71	5.55 1.88	10.66 1.55	15.58 1.55	18.85 1.63	16.82 1.89	14.24 1.37	10.39 2.02	6.78 .56
	7	13	9	8	19	13	56	37	6	9	13	5
10	3.44 1.16	3.37 1.37	2.55 .95	3.43 1.58	5.36 1.80	9.40 1.66	14.59 2.06	17.39 2.46	16.63 1.87	14.30 1.44	10.47 2.03	6.90 .68
	7	13	9	9	20	17	56	37	7	9	13	5
20	3.46 1.17	3.54 1.48	2.56 .95	3.44 1.58	4.79 1.57	8.23 1.80	11.97 2.53	12.69 3.24	13.63 1.75	14.08 1.82	10.51 2.11	7.30 .80
	7	13	9	9	20	17	56	37	7	9	13	5
30	3.50 1.20	3.54 1.53	2.69 1.09	3.38 1.58	4.38 1.57	7.29 2.15	7.98 2.12	8.58 3.36	9.67 2.24	13.38 2.72	10.55 2.33	7.41 .93
	7	13	9	9	20	17	56	33	7	9	13	5
50	3.92 1.07	3.87 1.79	4.09 2.54	3.57 1.71	3.39 1.60	5.27 2.00	4.90 1.61	5.57 2.30	5.86 2.55	8.80 3.70	8.74 1.78	6.76 1.39
	7	13	9	9	19	17	50	33	7	9	13	5
75	6.29 1.75	5.51 1.65	6.09 2.88	5.48 2.45	4.12 2.23	6.25 2.88	4.72 2.05	5.77 2.01	5.28 2.98	5.98 2.89	5.72 2.11	6.27 2.92
	2	11	8	8	10	10	27	21	5	6	12	3
100	0.00 0.00	7.50 0.00	9.00 0.00	8.20 1.12	2.43 1.32	0.00 0.00	8.01 1.98	7.02 3.37	8.03 0.00	0.00 0.00	3.51 0.00	10.17 0.00
	0	1	1	2	2	0	7	5	1	0	1	1
150	0.00 0.00	0.00 0.00	10.01 0.00	0.00 0.00	4.81 0.00	0.00 0.00	10.83 0.00	3.69 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00
	0	0	1	0	1	0	1	1	0	0	0	0
200	0.00 0.00	0.00 0.00	8.50 0.00	0.00 0.00	5.75 0.00	0.00 0.00	10.32 0.00	5.49 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00
	0	0	1	0	1	0	1	1	0	0	0	0
250	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	5.36 0.00	0.00 0.00						
	0	0	0	0	1	0	0	0	0	0	0	0

TEMPERATURE FOR SUBAREA 11 EMERALD BANK

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	3.87	3.36	1.82	3.64	6.05	10.59	15.50	19.11	16.96	14.30	10.61	7.14
	1.30	1.31	.67	1.15	1.56	1.74	1.54	1.33	1.71	1.56	1.55	.69
	8	19	7	14	12	11	24	52	6	8	16	9
10	3.78	3.50	1.53	3.37	5.61	9.73	14.67	17.70	17.02	14.20	10.44	7.08
	1.20	1.15	.31	1.39	1.34	1.62	1.99	2.20	1.60	1.61	1.46	.81
	8	21	11	15	14	12	26	52	8	8	20	11
20	3.79	3.53	1.51	3.17	5.16	7.54	10.89	12.56	15.31	13.77	10.34	7.29
	1.19	1.29	.31	1.35	1.36	1.72	3.07	2.61	2.75	1.62	1.61	.96
	8	21	11	15	14	12	26	52	8	8	20	11
30	3.90	3.66	1.51	3.00	4.71	5.98	6.59	8.14	10.37	12.36	10.26	7.37
	1.25	1.40	.33	1.45	1.55	2.25	1.93	2.15	2.93	4.19	1.77	.92
	8	21	11	15	14	12	26	52	8	8	20	11
50	4.16	4.09	1.70	3.01	3.31	4.55	4.22	6.02	4.70	6.97	8.10	7.17
	1.46	1.60	.43	1.37	1.49	1.89	1.43	2.08	1.35	2.20	2.35	1.59
	8	21	11	14	13	12	25	52	8	8	20	11
75	7.45	6.80	3.73	4.66	4.06	5.90	5.59	6.78	5.16	5.35	6.19	6.35
	1.55	2.04	1.04	1.71	1.50	1.86	1.73	1.27	1.98	3.36	1.34	3.14
	6	14	11	11	11	9	19	36	5	2	13	8
100	8.62	8.05	3.45	6.41	7.90	9.82	7.70	8.91	6.01	0.00	6.43	5.82
	0.00	1.48	.78	0.00	0.00	.05	1.52	.65	.72	0.00	0.00	6.53
	1	4	2	2	1	2	6	4	2	0	1	2
150	0.00	0.00	0.00	7.97	0.00	9.45	10.17	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.00	0.00
	0	0	0	2	0	1	2	0	0	0	0	0
200	0.00	0.00	0.00	0.00	0.00	8.71	8.57	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0	0	0	1	1	0	0	0	0	0
250	0.00	0.00	0.00	0.00	0.00	0.00	7.14	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0	0	0	0	1	0	0	0	0	0
300	0.00	0.00	0.00	0.00	0.00	0.00	6.84	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0	0	0	0	1	0	0	0	0	0

TEMPERATURE FOR SUBAREA 12 EMERALD BASIN

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	2.30	2.38	1.45	2.17	5.28	10.22	15.13	17.70	17.54	14.24	10.09	6.36
	2.11	1.65	.70	.96	1.29	1.70	1.19	1.46	1.53	1.64	1.68	1.00
	26	29	14	24	29	20	55	90	13	8	25	7
10	2.24	2.50	1.12	1.82	4.80	9.75	13.87	15.71	17.40	14.18	10.46	6.36
	1.70	1.48	.87	1.15	1.24	2.09	2.47	2.94	1.50	1.63	1.43	.88
	26	31	19	24	32	25	58	91	17	8	29	9
20	2.29	2.59	1.21	1.79	4.20	7.90	10.12	8.99	15.16	14.07	10.52	6.44
	1.41	1.49	.77	1.25	1.03	2.01	2.83	4.13	2.90	1.49	1.41	.86
	26	31	19	24	32	26	58	91	17	8	29	9
30	2.38	2.91	1.29	1.85	3.40	5.31	6.51	5.29	8.82	10.90	10.47	6.58
	1.25	1.42	.73	1.41	.92	1.84	2.47	2.87	3.01	2.63	1.44	.74
	26	31	19	24	32	26	58	83	17	8	29	9
50	3.34	3.59	1.62	1.88	2.60	3.04	3.85	3.20	3.47	5.82	7.54	5.62
	1.26	1.41	.68	1.59	1.04	1.58	2.09	1.30	1.11	2.40	2.16	1.76
	26	31	19	24	32	26	58	83	17	8	29	9
75	4.87	5.48	3.67	3.16	3.98	4.21	4.52	3.91	4.37	5.24	5.58	4.38
	1.94	2.06	1.90	1.97	1.99	1.65	1.58	1.13	1.49	1.93	1.21	1.69
	26	31	19	24	31	26	56	82	17	8	29	9
100	6.14	7.13	5.79	4.51	5.60	6.09	5.90	5.32	6.26	6.12	6.75	5.49
	2.13	1.60	1.96	2.46	1.56	1.68	1.80	1.18	1.50	1.44	1.45	1.75
	21	29	19	21	27	25	48	73	15	8	26	9
150	7.19	8.06	7.49	7.25	7.26	7.72	7.89	6.89	7.89	7.33	8.00	6.70
	1.38	1.06	1.45	2.03	1.14	1.36	1.29	.79	1.43	1.27	1.16	1.17
	17	21	14	13	21	20	32	51	12	8	23	7
200	7.62	8.25	7.61	7.90	8.08	8.19	8.13	6.82	8.18	7.76	8.53	6.86
	1.16	.90	1.34	1.99	.80	1.02	1.41	1.01	1.20	1.31	1.18	.96
	11	17	6	10	11	12	22	24	8	6	16	4
250	7.14	8.10	7.24	7.47	7.81	8.30	7.90	8.22	8.88	8.09	7.96	8.10
	.97	.85	1.43	1.41	.86	.59	1.70	.60	.48	.41	1.40	0.00
	5	5	5	5	4	6	10	3	3	3	5	1

TEMPERATURE FOR SUBAREA 13 EASTERN SHORE

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	.27 .43	.78 1.17	.30 .71	3.31 .98	3.42 1.04	8.88 2.27	13.63 2.10	15.35 3.04	19.00 .57	14.01 2.08	8.96 1.20	0.00 0.00
	5	5	2	2	14	7	12	27	2	5	11	0
10	.14 .44	.69 1.18	-.41 .71	3.22 .94	3.05 .91	8.17 2.08	10.68 4.24	12.39 4.81	17.87 .93	13.07 .89	9.07 1.21	4.10 0.00
	5	5	4	2	15	9	12	27	3	5	11	1
20	.31 .41	.88 1.06	-.37 .84	2.88 1.25	2.34 1.17	5.31 1.70	7.29 4.57	7.42 3.06	15.59 3.37	11.86 1.82	9.17 1.30	4.10 0.00
	5	5	4	2	15	9	12	27	3	5	11	1
30	.41 .43	1.02 1.08	-.41 .84	2.63 1.43	1.52 1.30	3.37 1.70	4.74 3.18	4.76 2.04	11.99 5.47	10.47 2.80	9.32 1.57	4.10 0.00
	5	5	4	2	15	9	12	20	3	5	11	1
50	.90 .64	1.18 1.32	-.23 .71	2.64 1.08	1.03 1.16	1.12 1.21	2.49 1.16	3.26 1.92	3.62 1.53	5.54 1.49	7.51 1.74	4.10 0.00
	5	5	4	2	15	9	12	18	3	5	11	1
75	1.37 .56	3.62 1.25	.52 1.15	2.83 1.06	1.27 1.15	1.19 .94	2.53 1.32	3.13 1.13	1.32 .97	0.00 0.00	5.07 1.76	2.70 0.00
	4	2	3	2	7	6	12	15	2	0	7	1
100	2.26 .63	3.79 1.08	1.80 2.19	2.69 1.72	2.83 2.06	3.51 1.73	4.74 1.68	3.55 1.00	2.00 0.00	0.00 0.00	3.45 1.07	1.90 0.00
	2	2	3	2	4	3	9	9	1	0	4	1
150	7.28 0.00	7.33 1.75	0.00 0.00	7.25 0.00	8.00 0.00	8.63 0.00	7.87 .77	2.67 0.00	0.00 0.00	0.00 0.00	7.08 0.00	0.00 0.00
	1	2	0	1	1	1	3	1	0	0	1	0

TEMPERATURE FOR SUBAREA 14 SOUTH SHORE

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	1.25	.55	-.04	1.94	4.68	9.02	13.01	14.76	15.67	13.18	8.77	5.53
	1.20	1.22	1.12	1.44	2.99	2.35	2.00	2.85	2.39	1.75	1.31	1.10
	20	32	10	18	45	27	23	57	35	21	37	17
10	1.29	.46	.35	1.67	4.05	7.65	11.19	12.65	14.61	12.99	8.90	6.20
	.92	1.26	.92	1.30	2.61	2.06	2.41	3.98	2.80	1.88	1.30	1.28
	20	34	23	25	48	34	29	64	42	21	41	25
20	1.36	.47	.33	1.35	2.73	4.68	6.80	7.33	11.26	11.90	8.89	6.25
	.92	1.29	.90	1.29	1.65	1.58	2.95	3.34	3.70	2.87	1.32	1.31
	20	34	23	25	48	35	29	64	42	21	41	25
30	1.49	.54	.40	1.12	2.04	2.68	3.96	4.07	6.95	10.23	8.72	6.21
	.95	1.29	.97	1.24	1.37	1.54	2.27	2.18	3.22	3.37	1.57	1.34
	20	33	23	25	48	35	29	64	42	21	41	25
50	1.84	.74	.28	1.09	1.42	1.73	1.78	2.66	3.55	6.33	7.80	5.97
	1.04	1.30	1.22	1.18	1.05	1.10	.93	1.01	2.22	3.20	1.91	1.24
	20	30	14	25	47	35	29	63	40	18	36	25
75	2.20	1.45	.86	1.33	1.60	1.40	2.15	2.79	2.80	4.09	5.44	4.04
	.95	1.21	1.14	1.21	1.14	.68	1.33	1.22	1.18	1.44	2.18	.94
	16	27	13	24	40	30	28	50	35	14	33	25
100	2.10	2.75	1.81	2.33	2.28	2.27	3.53	3.81	3.74	3.76	4.45	3.60
	1.16	1.56	1.58	1.32	1.56	1.22	2.05	1.54	1.50	1.52	1.40	1.03
	8	21	11	17	27	20	22	38	27	9	22	14
150	4.20	5.54	4.73	5.82	4.55	5.64	6.47	7.23	6.90	0.00	7.83	5.67
	0.00	1.48	3.41	1.55	1.48	0.00	3.50	.44	1.87	0.00	.96	.63
	1	6	3	2	9	1	3	5	10	0	7	2

TEMPERATURE FOR SUBAREA 15 LAHAME BASIN

MEAN, S.D., NO. OF OBSERVATIONS

TEMPERATURE FOR SUBAREA 16 SADDLE

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	4.95	0.00	.88	4.85	5.60	10.45	15.34	18.13	16.91	0.00	10.88	0.00
	.35	0.00	.86	2.05	0.00	1.74	1.07	1.65	.57	0.00	0.00	0.00
	2	0	4	2	1	6	11	42	3	0	1	0
10	4.21	0.00	1.51	3.86	4.68	10.14	14.10	16.42	15.67	0.00	10.48	5.90
	1.05	0.00	1.44	2.00	1.58	2.10	1.77	2.47	1.61	0.00	0.00	0.00
	3	0	9	3	2	8	13	42	5	0	1	1
20	4.26	0.00	1.78	3.57	3.51	8.15	10.56	10.28	14.74	0.00	10.46	5.90
	.87	0.00	2.03	2.16	1.54	1.77	3.00	3.54	2.61	0.00	0.00	0.00
	3	0	9	3	2	8	13	42	5	0	1	1
30	4.37	0.00	2.06	3.76	3.17	5.96	6.71	6.88	12.00	0.00	10.19	5.80
	.72	0.00	2.46	2.60	1.45	2.14	2.77	3.16	4.39	0.00	0.00	0.00
	3	0	9	3	2	8	13	42	5	0	1	1
50	4.76	0.00	2.75	3.63	2.14	4.08	4.84	5.51	8.06	0.00	8.26	2.60
	.60	0.00	2.59	2.62	.05	1.97	1.85	2.54	4.99	0.00	0.00	0.00
	3	0	9	3	2	8	13	42	5	0	1	1
75	6.47	0.00	4.42	4.15	1.63	4.69	5.90	6.33	5.09	0.00	8.77	2.70
	.91	0.00	2.43	2.47	.46	2.08	1.75	2.52	2.70	0.00	0.00	0.00
	3	0	9	3	2	8	13	42	5	0	1	1
100	8.33	0.00	5.86	6.09	3.44	7.07	7.56	7.06	5.67	0.00	9.77	3.20
	.71	0.00	2.28	1.18	.91	2.29	1.49	2.39	1.34	0.00	0.00	0.00
	3	0	8	3	2	7	11	33	3	0	1	1
150	8.12	0.00	4.40	0.00	5.00	8.22	9.92	6.77	7.20	0.00	10.29	3.80
	0.00	0.00	.99	0.00	0.00	0.00	.07	2.19	0.00	0.00	0.00	0.00
	1	0	2	0	1	1	2	3	1	0	1	1
200	0.00	0.00	0.00	0.00	0.00	8.50	8.04	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0	0	0	1	1	0	0	0	0	0
250	0.00	0.00	0.00	0.00	0.00	0.00	9.19	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0	0	0	0	1	0	0	0	0	0

TEMPERATURE FOR SUBAREA 17 LAHABE BANK

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	.86	2.47	1.99	2.54	5.28	8.96	14.13	16.62	17.47	13.58	9.62	9.30
	.77	1.48	1.64	.45	1.30	1.00	.70	1.88	1.74	1.46	1.69	0.00
	8	11	8	4	12	10	8	12	8	11	15	1
10	1.04	2.26	1.42	1.87	4.75	8.44	13.01	15.36	16.49	13.56	9.75	9.38
	.73	1.40	1.62	.42	1.12	1.25	1.10	3.00	3.00	1.50	1.69	0.00
	8	11	9	4	12	10	9	12	8	11	15	1
20	1.08	2.29	1.52	1.43	4.01	6.90	9.66	10.91	11.04	13.33	9.74	9.24
	.77	1.45	1.72	.79	1.38	1.97	1.72	2.89	3.72	1.59	1.77	0.00
	8	11	9	4	12	10	9	12	8	11	15	1
30	1.13	2.33	1.80	1.27	3.25	5.06	5.70	6.51	6.14	11.77	9.34	9.61
	.72	1.51	1.99	.82	1.83	2.68	2.18	2.89	2.25	3.12	2.33	0.00
	8	11	9	4	12	10	9	12	8	11	15	1
50	2.45	2.55	2.40	1.14	2.88	2.95	2.33	3.96	4.23	5.69	6.87	8.34
	1.28	1.54	2.44	.56	1.62	2.16	1.42	1.96	1.68	1.31	1.70	0.00
	8	11	9	4	12	10	9	12	8	11	15	1
75	3.71	3.91	2.69	1.49	3.63	2.47	2.67	3.96	4.01	4.84	5.10	6.60
	1.26	1.89	2.65	.93	2.27	.96	1.12	1.61	.92	.73	.90	0.00
	8	11	7	3	10	9	7	10	8	9	13	1
100	3.91	5.13	4.82	2.08	6.05	3.17	4.21	5.64	5.70	5.54	5.98	0.00
	.47	1.43	3.71	0.00	3.41	.85	2.05	1.96	.31	1.10	1.58	0.00
	3	5	3	1	4	5	3	4	4	5	9	0
150	6.15	6.78	0.00	7.42	7.35	5.19	0.00	7.90	8.29	8.04	6.81	0.00
	.06	1.04	0.00	0.00	0.00	1.19	0.00	0.00	0.00	.37	2.00	0.00
	2	3	0	1	1	2	0	1	1	3	2	0

TEMPERATURE FOR SUBAREA 19 ROSEWAY BANK

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	.72	2.03	.84	3.38	4.94	10.44	13.15	15.61	17.06	12.94	9.89	7.15
	1.19	1.65	.64	.50	1.01	1.51	.90	2.58	1.67	1.64	1.22	1.20
	5	6	6	5	14	7	16	14	6	4	10	2
10	1.50	1.96	.64	3.08	4.51	10.01	12.35	14.28	16.48	12.92	10.04	7.46
	.61	1.50	.62	.44	1.09	1.26	.93	2.41	1.97	1.71	1.25	.69
	5	6	6	5	14	8	16	14	6	4	10	2
20	1.49	2.01	.56	2.81	3.44	7.50	9.08	9.16	9.38	12.34	10.11	7.50
	.59	1.62	.64	.53	1.52	1.12	1.56	2.72	3.23	2.20	1.26	.64
	5	6	6	5	14	8	16	14	6	4	10	2
30	1.61	2.05	.50	2.56	2.82	5.60	5.65	5.77	6.07	9.75	10.10	7.12
	.59	1.62	.79	.71	1.73	1.48	1.69	2.44	3.83	1.97	1.12	.29
	5	6	6	5	14	8	16	14	6	4	10	2
50	2.30	2.57	.53	2.26	2.49	3.13	3.18	3.16	3.62	5.35	7.60	6.54
	1.10	1.71	.81	.90	1.49	1.61	1.26	1.20	1.20	1.82	1.11	.34
	5	6	6	5	13	8	16	14	6	3	10	2
75	3.34	1.71	.58	2.81	2.88	2.68	3.54	3.46	2.52	4.53	4.18	4.22
	0.00	2.15	1.21	1.35	1.30	1.58	1.28	.68	1.51	0.00	.92	0.00
	1	2	2	3	7	5	15	8	3	1	4	1
100	4.29	3.01	1.12	2.51	3.87	3.05	3.36	4.57	3.68	4.61	4.11	4.65
	0.00	2.79	2.30	.84	1.60	1.85	1.87	1.03	1.35	0.00	1.00	0.00
	1	2	2	3	7	3	7	5	3	1	4	1
150	4.52	4.63	6.39	5.37	6.17	5.34	7.18	7.45	6.07	0.00	5.67	0.00
	0.00	.21	.97	0.00	1.48	1.21	0.00	.82	.86	0.00	0.00	0.00
	1	2	2	2	4	2	1	4	2	0	1	0

TEMPERATURE FOR SUBAREA 20 SHELBURNE

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	2.33 1.37 7	1.62 .93 5	1.28 .67 4	3.58 .89 5	4.59 2.22 7	8.52 1.59 4	9.15 2.73 10	10.55 3.29 4	14.95 1.76 5	12.46 1.51 5	9.35 .92 2	7.05 1.63 2
10	2.45 1.24 7	1.64 .88 5	1.13 .54 6	3.05 .29 5	4.00 1.75 9	6.55 2.25 4	7.73 2.77 11	9.45 2.64 5	11.40 3.41 8	11.48 2.82 5	9.08 .92 2	6.49 .74 4
20	2.40 1.17 7	1.62 .91 5	1.10 .52 6	2.92 .37 5	3.29 1.41 9	4.49 1.08 4	5.38 2.31 11	7.64 1.79 5	7.28 3.29 8	9.41 3.12 5	9.30 .76 2	6.50 .74 4
30	2.63 1.22 6	1.63 .93 5	1.14 .51 6	2.70 .73 5	2.66 1.05 9	3.18 .45 4	3.70 1.62 10	6.22 1.19 5	4.95 2.37 8	7.62 2.06 5	8.56 1.17 2	6.72 .69 4
50	2.49 1.36 3	2.05 0.00 1	1.32 .62 4	1.68 0.00 1	2.45 .92 2	2.68 .46 2	3.09 1.57 6	4.19 .16 2	3.11 1.40 4	6.54 0.00 1	7.77 0.00 1	6.74 1.20 3
75	4.93 0.00 1	0.00 0.00 0	1.62 0.00 1	0.00 0.00 0	0.00 0.00 0	.96 0.00 1	4.78 1.79 2	4.35 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0
100	0.00 0.00 0	0.00 0.00 0	2.48 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	4.99 .80 2	4.63 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0

TEMPERATURE FOR SUBAREA 21 ROSEWAY BASIN

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	1.92 .89 5	1.93 .41 5	.94 .58 4	2.67 .76 6	4.38 2.75 6	7.23 1.95 2	12.19 1.83 17	10.94 2.82 5	14.40 2.36 3	13.11 1.38 4	9.11 .72 5	8.40 0.00 1
10	2.28 1.19 6	1.66 .48 5	.80 .64 6	2.41 .68 6	3.95 2.55 8	6.60 .86 4	11.13 2.02 18	9.61 3.52 5	11.15 1.67 7	12.94 1.34 4	8.96 1.11 5	6.44 1.60 3
20	2.18 1.26 6	1.72 .39 5	.64 .75 6	2.32 .67 6	3.36 2.16 8	5.26 .19 4	9.77 1.71 18	7.07 2.06 5	9.57 2.55 7	12.19 1.73 4	8.80 1.07 5	6.38 1.51 3
30	2.31 1.36 6	1.82 .39 5	.57 .86 6	2.04 .90 6	2.72 1.48 8	4.28 .53 4	7.82 2.25 18	4.66 1.19 5	7.26 2.45 7	9.66 3.07 4	8.44 .83 5	6.38 1.51 3
50	2.64 1.35 6	2.15 .55 5	.88 .83 6	2.21 .62 6	2.26 1.13 8	3.01 1.54 4	4.74 1.59 18	3.66 1.21 5	3.86 1.32 7	4.50 1.18 4	7.53 .78 5	6.05 1.93 3
75	3.83 1.20 6	3.63 .68 5	1.43 .88 6	3.29 .39 5	2.32 1.06 8	3.05 1.59 4	4.18 1.08 18	3.34 1.10 5	3.82 2.15 6	3.77 .99 4	5.87 .84 5	5.62 2.98 3
100	4.62 1.34 6	3.83 .63 5	2.26 .75 6	4.32 .71 5	2.80 1.16 8	3.51 1.05 4	4.43 .71 15	3.10 .82 5	3.69 1.93 6	3.88 .86 4	5.98 1.05 5	5.28 3.78 3
150	5.82 1.22 2	4.47 0.00 1	4.65 .04 2	6.59 2.73 2	4.83 .18 2	4.27 .07 2	4.25 1.21 5	3.94 .23 2	5.94 1.26 2	5.74 0.00 2	4.54 .57 1	0.00 0.00 0

TEMPERATURE FOR SUBAREA 22 BROWNS BANK

MEAN, S.D., NO. OF OBSERVATIONS

TEMPERATURE FOR SUBAREA 23 ROSEWAY CHANNEL

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	3.00	0.00	.90	3.27	6.22	4.44	8.66	0.00	14.76	10.10	9.15	0.00
	0.00	0.00	.52	1.20	0.00	0.00	.66	0.00	1.15	1.77	0.00	0.00
	1	0	2	3	1	1	5	0	2	3	1	0
10	3.00	0.00	.93	3.27	6.19	5.45	8.22	8.26	14.04	10.01	9.15	0.00
	0.00	0.00	.49	1.22	0.00	1.50	.66	0.00	3.93	1.77	.16	0.00
	1	0	2	3	1	2	5	1	4	3	2	0
20	3.00	0.00	.91	3.53	5.68	5.18	7.05	7.31	12.76	9.94	8.39	0.00
	0.00	0.00	.54	1.63	0.00	1.17	.43	0.00	3.37	1.88	.86	0.00
	1	0	2	3	1	2	5	1	4	3	2	0
30	3.02	0.00	.96	4.00	5.30	4.94	6.83	7.26	9.67	9.83	7.25	0.00
	0.00	0.00	.56	2.38	0.00	1.41	.34	0.00	3.15	1.99	1.77	0.00
	1	0	2	2	1	2	5	1	4	3	2	0
50	3.62	0.00	1.13	4.17	5.06	4.54	6.53	7.15	7.02	7.99	6.94	0.00
	0.00	0.00	.63	2.17	0.00	1.73	.15	0.00	1.96	.98	1.92	0.00
	1	0	2	2	1	2	5	1	4	3	2	0
75	3.93	0.00	1.80	4.41	5.03	0.00	6.44	7.01	6.67	5.77	7.36	0.00
	0.00	0.00	0.00	1.89	0.00	0.00	.34	0.00	2.81	2.24	1.45	0.00
	1	0	1	2	1	0	5	1	3	3	2	0
100	4.00	0.00	0.00	4.65	5.00	0.00	6.32	0.00	0.00	6.24	8.54	0.00
	0.00	0.00	0.00	1.58	0.00	0.00	.26	0.00	0.00	2.44	0.00	0.00
	1	0	0	2	1	0	3	0	0	2	1	0

TEMPERATURE FOR SUBAREA 24 LURCHER SHOALS

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	2.90 .93 13	2.89 1.06 12	1.51 .91 11	3.37 .96 13	4.14 .88 11	6.20 1.12 5	9.91 2.40 15	9.67 1.57 12	12.08 1.82 10	10.68 .85 15	8.85 .99 10	4.95 0.00 1
10	2.98 1.01 13	2.88 1.08 12	1.57 .84 15	3.02 .84 13	4.25 .80 15	6.18 1.09 6	8.78 1.71 17	9.18 1.53 13	11.10 2.31 18	10.57 .76 15	8.83 .89 11	5.16 .34 5
20	3.00 1.07 13	3.10 1.00 11	1.56 .82 15	2.95 .82 13	4.15 .77 15	5.84 1.47 6	8.30 1.43 17	8.92 1.27 13	10.58 2.10 18	10.46 .71 15	8.80 .92 11	5.22 .31 5
30	3.18 1.38 13	3.18 1.00 11	1.61 .84 15	2.90 .76 13	4.04 .75 15	5.65 1.50 6	7.99 1.27 16	8.81 1.12 13	10.20 2.07 18	10.29 .57 15	8.85 .89 11	5.31 .38 5
50	3.34 1.17 9	3.31 .64 8	1.94 .74 11	2.83 .75 10	4.00 .67 11	5.79 .11 2	7.33 .97 14	9.17 .41 9	8.79 2.16 14	9.80 .36 10	8.51 .80 6	5.45 .49 5
75	3.44 1.50 7	3.78 .16 4	2.17 .22 5	3.36 1.40 3	3.66 .57 6	5.31 0.00 1	6.79 .46 6	8.01 .65 3	8.18 1.52 8	9.11 .75 7	8.22 .77 4	5.54 .50 5
100	1.44 0.00 1	0.00 0.00 0	2.10 0.00 2	0.00 0.00 0	3.25 .07 2	0.00 0.00 0	5.95 0.00 1	7.16 0.00 1	6.83 1.05 1	8.51 .68 3	0.00 0.00 0	0.00 0.00 0

TEMPERATURE FOR SUBAREA 25 E. GULF OF MAINE

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	4.17	3.50	2.37	3.67	5.80	6.87	12.17	12.64	11.26	11.30	8.67	5.70
	1.15	.45	.82	1.01	1.48	4.39	1.68	2.57	.85	1.07	.69	0.00
	7	6	7	15	10	4	18	11	5	7	10	1
10	4.25	3.50	2.43	3.35	5.59	8.68	10.87	11.75	11.03	11.11	9.11	5.93
	1.27	.57	.87	.95	1.51	1.55	1.79	2.57	.87	.83	1.14	0.00
	7	6	7	15	11	5	20	11	5	7	15	1
20	4.28	3.53	2.43	3.22	5.33	8.14	9.60	10.52	10.85	10.88	9.01	6.04
	1.34	.55	.81	.86	1.42	1.45	2.04	2.49	.76	.75	.88	0.00
	7	6	7	15	11	5	20	11	5	7	15	1
30	4.32	3.59	2.57	3.19	5.16	7.39	8.68	9.35	10.67	10.48	8.87	6.15
	1.34	.59	.81	.85	1.43	1.19	1.55	1.87	.72	.46	.72	0.00
	7	6	7	15	11	5	20	11	5	7	15	1
50	4.60	3.76	2.87	3.35	4.99	6.34	7.60	8.06	10.22	9.09	8.71	6.33
	1.38	.48	.88	.95	1.35	.90	1.99	1.59	.71	.76	.67	0.00
	7	6	7	15	11	5	20	11	5	7	15	1
75	4.94	4.61	3.55	3.67	4.88	6.17	7.27	7.32	9.86	8.22	8.45	6.87
	1.35	.64	1.23	1.16	1.33	.77	1.55	1.58	.64	.89	.86	0.00
	7	6	6	14	11	5	20	11	5	7	15	1
100	5.82	4.93	4.12	4.00	5.30	6.38	6.96	7.05	8.83	7.89	8.33	0.00
	1.33	.73	1.79	1.01	1.65	.66	1.51	1.27	.50	.91	1.17	0.00
	6	6	4	12	6	4	17	10	2	6	13	0
150	6.51	5.39	0.00	4.52	6.03	6.66	7.11	6.23	0.00	7.36	7.92	0.00
	1.23	.24	0.00	1.12	3.31	1.11	1.65	.98	0.00	.49	1.49	0.00
	4	5	0	7	2	2	11	5	0	5	10	0
200	0.00	0.00	0.00	0.00	0.00	0.00	10.75	5.77	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	4.15	0.00	0.00	0.00	0.00	0.00
	0	0	0	0	0	0	2	1	0	0	0	0

TEMPERATURE FOR SUBAREA 26 GEORGES BASIN

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	3.91 .39 6	4.25 .63 5	3.16 .32 5	4.18 .64 7	8.19 1.65 8	11.52 1.68 4	15.18 1.62 12	17.71 1.40 8	14.70 1.28 11	13.02 1.53 11	9.13 1.32 4	8.44 1.23 3
10	4.06 .62 6	4.49 .90 9	2.76 .50 9	3.62 .78 13	7.65 1.28 21	10.88 1.20 8	13.51 3.65 19	17.19 1.39 21	14.54 1.30 21	12.74 1.43 24	9.66 1.13 12	7.96 1.24 14
20	4.08 .65 6	4.60 .76 9	2.74 .48 9	3.43 .81 13	7.18 1.28 21	9.27 .68 8	10.68 2.29 19	15.21 2.31 21	13.13 1.76 24	12.35 1.55 12	9.51 .99 9	7.95 1.23 14
30	4.18 .65 6	4.74 .67 9	2.74 .45 9	3.36 .82 13	6.46 1.40 21	7.14 1.43 8	8.28 2.04 19	12.36 2.74 21	11.27 2.45 24	11.74 1.65 12	9.39 1.05 9	7.95 1.23 14
50	4.34 1.04 6	5.12 .55 9	2.81 .41 9	3.34 .61 13	5.13 1.54 21	5.50 .92 8	6.30 1.71 19	8.67 2.40 21	8.91 3.00 24	8.99 1.93 12	8.81 1.22 9	7.85 1.36 14
75	5.14 .91 6	5.67 .60 9	3.42 .99 9	3.41 .95 13	5.14 1.53 21	5.16 .85 8	5.98 1.71 19	6.63 1.47 21	6.71 2.75 24	6.79 1.33 12	7.11 1.50 9	7.86 1.54 14
100	5.76 1.07 6	6.27 .91 9	4.62 1.23 9	4.10 1.45 13	5.73 1.50 21	5.52 .85 8	6.18 1.78 19	6.50 1.44 21	5.82 2.16 24	6.38 1.39 12	6.50 1.55 9	7.96 1.70 14
150	6.56 .90 6	6.87 .98 9	6.04 1.47 9	5.37 2.03 11	6.55 1.43 21	6.94 1.07 8	7.59 1.26 16	7.70 1.22 19	6.22 1.39 24	6.97 .78 11	7.29 1.44 9	7.93 1.69 14
200	6.67 .58 6	7.27 1.07 8	6.42 1.52 9	5.39 1.65 10	6.75 1.09 17	7.32 .73 8	7.75 .74 15	7.83 .97 13	6.83 1.01 22	7.63 .72 11	7.93 1.12 8	7.91 .98 12
250	6.25 .39 4	7.03 1.07 5	5.87 1.12 7	5.25 1.41 10	6.54 1.15 15	7.29 .63 6	7.78 .66 10	7.30 .79 9	6.90 1.00 15	7.24 .43 7	7.59 1.17 6	7.47 .99 9
300	6.46 0.00 0.00	0.00 1.36 1.36	5.09 5.04 1.52	5.04 1.30 4	6.68 1.30 0.00	7.38 0.00 1	7.65 .70 4	7.11 .72 6	7.60 .62 3	0.00 0.00 0	0.00 0.00 0	6.16 0.00 1

TEMPERATURE FOR SUBAREA 27 GEORGES SHOAL

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	4.25 .75 5	4.40 .38 3	4.48 .93 7	4.36 .62 3	7.66 1.48 4	11.38 .73 4	15.70 2.76 3	13.87 1.17 2	14.77 1.22 21	13.09 1.00 7	9.90 1.84 2	7.25 .78 3
10	4.23 .67 5	4.85 .46 8	3.48 1.12 18	4.19 .49 8	6.81 1.11 17	9.68 1.74 23	13.80 1.15 20	14.78 1.95 6	14.80 1.24 33	13.38 1.24 8	11.67 1.37 17	7.86 .82 14
20	4.17 .70 5	4.86 .46 8	3.49 1.09 18	4.16 .49 8	6.77 1.17 17	9.17 1.67 23	12.73 1.71 20	13.38 3.25 6	14.45 1.54 33	13.30 1.39 8	11.61 1.48 17	7.85 .81 14
30	4.22 .72 5	4.86 .46 8	3.55 1.06 18	4.13 .49 8	6.61 1.32 15	8.63 1.39 21	12.31 1.77 19	12.38 3.60 5	14.06 2.02 32	13.14 1.44 8	11.71 1.44 16	7.83 .80 14
50	0.00 0.00 0	5.02 .06 2	4.06 1.35 7	3.77 .09 3	5.39 1.95 2	7.99 1.84 8	9.92 1.89 9	10.67 1.94 2	12.37 3.09 8	11.64 1.95 3	12.50 1.09 7	7.79 .97 8
75	0.00 0.00 0	0.00 0.00 0	5.69 0.00 1	0.00 0.00 0	4.12 0.00 1	6.38 0.00 2	7.56 0.00 4	0.00 0.00 0	9.32 4.77 3	0.00 0.00 0	0.00 0.00 0	6.81 .04 2
100	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	6.99 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	7.10 0.00 1
150	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	7.54 0.00 1

TEMPERATURE FOR SUBAREA 28 E. GEORGES BANK

MEAN, S.D., NO. OF OBSERVATIONS

TEMPERATURE FOR SUBAREA 29 N.E. CHANNEL

MEAN, S.D., NO. OF OBSERVATIONS

TEMPERATURE FOR SUBAREA 30 SOUTHERN SLOPE

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	5.14 3.37 6	5.81 2.65 10	3.50 1.85 10	4.58 2.20 19	6.59 2.33 10	11.52 3.98 13	17.51 2.48 20	17.71 3.51 20	19.54 2.40 14	14.85 3.62 24	11.94 1.53 12	10.53 3.97 5
10	5.78 3.05 9	5.66 2.24 17	2.27 1.67 26	4.57 2.12 30	6.42 2.35 27	11.10 4.09 23	16.68 2.85 38	18.89 4.69 40	17.78 2.78 39	15.20 3.69 31	12.29 2.05 24	8.88 2.90 22
20	6.05 3.00 9	5.82 2.22 17	2.33 1.65 26	4.86 2.30 30	6.31 2.73 27	10.56 4.44 23	15.19 3.80 38	17.14 6.10 40	16.39 3.28 39	14.84 3.80 31	12.17 2.44 25	9.06 2.86 22
30	6.62 2.75 9	6.07 2.39 17	2.49 1.69 26	5.26 2.52 30	6.12 2.95 27	9.08 4.46 23	13.75 4.60 38	15.11 6.47 40	14.43 4.53 39	14.07 3.96 31	11.96 2.86 25	9.25 2.87 22
50	8.00 2.86 9	6.86 2.58 17	3.02 1.60 26	6.30 2.96 30	5.96 2.72 27	8.04 4.14 23	11.32 4.19 38	12.44 5.64 40	11.45 4.68 40	11.97 4.63 31	10.99 3.58 25	9.39 3.12 22
75	8.90 2.79 9	8.21 3.15 17	4.48 2.12 26	7.64 3.34 30	6.17 2.38 27	8.23 3.87 23	10.73 3.48 38	11.44 4.88 40	10.56 4.48 41	10.67 4.32 31	9.78 3.54 25	8.81 3.57 22
100	9.65 2.63 8	9.34 3.34 14	6.08 2.40 25	8.76 3.26 29	7.52 2.07 24	8.58 2.98 20	10.73 3.02 35	11.50 4.44 38	10.08 3.73 41	10.63 3.77 29	10.15 3.53 22	8.82 4.00 18
150	10.09 2.77 7	10.40 2.70 8	7.21 2.23 22	10.06 3.00 29	8.93 1.41 20	9.10 2.58 18	10.74 2.10 34	10.81 3.03 38	10.16 2.87 36	10.75 2.66 29	10.30 2.92 18	8.59 3.42 12
200	9.92 2.73 6	9.94 2.15 7	7.12 1.91 17	10.60 2.32 25	8.74 1.12 17	7.89 1.77 13	10.08 1.82 29	9.87 2.59 34	9.43 2.53 35	10.00 2.14 26	9.63 2.52 18	8.17 2.68 11
250	8.27 1.69 5	8.33 1.10 4	6.62 1.44 16	9.59 1.88 23	7.83 1.20 14	7.16 1.46 12	9.14 1.44 23	9.06 1.84 31	8.37 2.50 34	8.83 1.85 25	8.53 2.14 17	7.69 2.20 11
300	7.49 1.13 5	7.45 .59 4	6.61 1.08 10	8.75 1.49 23	7.44 .65 8	6.46 1.12 12	8.07 1.36 23	8.02 1.49 31	8.47 2.61 22	7.75 1.52 25	7.62 1.64 17	7.94 1.63 6
400	6.06 .91 4	6.19 .42 4	5.63 .85 10	7.24 1.27 21	6.27 .98 7	5.44 .56 11	6.52 1.02 11	6.57 .91 20	7.16 2.88 28	6.24 1.09 21	6.44 1.06 24	6.68 .99 6
500	5.27 .69 4	5.82 .61 2	5.15 .62 10	6.11 .86 19	5.43 .56 5	4.88 .28 11	5.48 .55 17	5.60 .60 21	6.24 2.95 21	5.26 .74 22	5.60 .66 17	5.55 .75 4
600	4.86 .42 4	4.89 .11 2	4.90 .49 10	5.36 .73 19	5.05 .69 4	4.56 .25 10	4.90 .13 6	5.05 .40 14	5.55 2.20 19	4.78 .48 20	5.06 .42 15	5.01 .39 3
800	4.47 .29 4	4.17 .18 2	4.57 .19 8	4.72 .63 19	4.59 .60 4	4.23 .14 9	4.44 .09 5	4.47 .22 5	4.39 .33 13	4.46 .36 16	4.64 .26 16	4.62 .26 12
1000	4.17 .27 2	4.07 .06 2	4.28 .12 6	4.34 .51 17	4.17 .26 4	4.04 .18 7	4.27 .10 3	4.18 .18 10	4.15 .26 10	4.14 .23 14	4.33 .28 14	4.28 .33 8

TEMPERATURE FOR SUBAREA 32 CENTRAL OFFSHORE

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	1.61	7.18	6.91	8.95	18.85	15.00	19.92	21.88	23.99	18.55	15.91	0.00
	0.00	2.75	5.16	3.13	4.46	3.10	1.51	1.25	.69	2.29	2.01	0.00
	1	6	5	6	3	4	6	4	2	3	7	0
10	1.60	7.10	5.41	9.59	18.37	13.40	20.38	20.51	22.54	18.53	16.22	0.00
	0.00	2.90	4.33	2.58	4.11	2.96	1.18	1.90	2.07	2.27	1.78	0.00
	1	6	7	7	3	4	6	8	3	3	7	0
20	1.63	7.12	6.42	10.37	17.92	11.83	20.37	19.06	22.50	18.89	16.24	0.00
	0.00	2.93	4.14	2.47	3.70	3.77	1.42	3.72	2.00	2.63	1.95	0.00
	1	6	7	7	3	4	6	8	3	3	7	0
30	8.50	7.19	7.48	11.07	17.47	10.31	19.25	16.26	22.45	19.87	16.03	0.00
	0.00	2.87	4.42	2.46	3.32	4.21	2.59	5.54	1.95	1.83	2.26	0.00
	1	6	7	7	3	4	6	8	3	3	7	0
50	10.53	7.68	8.51	11.80	16.62	8.07	15.89	12.06	17.84	17.20	15.65	0.00
	0.00	2.69	4.87	1.86	2.43	4.64	4.87	6.50	1.81	.98	3.58	0.00
	1	6	7	7	3	4	6	8	3	3	7	0
75	10.19	9.47	9.43	12.13	14.90	7.69	14.32	12.33	15.58	14.48	14.25	0.00
	0.00	2.74	4.13	.72	1.23	4.21	4.49	4.08	1.06	.49	4.81	0.00
	1	6	7	7	3	4	6	8	3	3	7	0
100	11.04	9.77	11.08	12.05	13.30	9.39	13.82	12.50	14.61	13.69	12.09	0.00
	0.00	2.99	2.25	.40	.19	3.93	1.19	3.59	.69	.36	5.49	0.00
	1	6	7	7	3	4	6	8	3	3	7	0
150	10.69	9.90	11.26	11.43	13.12	9.40	12.61	11.92	12.90	12.81	12.04	0.00
	0.00	3.10	1.75	.54	.08	3.14	1.05	1.95	.14	.65	2.76	0.00
	1	6	7	7	3	4	6	8	3	3	7	0
200	8.43	10.24	10.36	10.60	11.19	8.10	11.85	10.73	11.82	11.44	11.57	0.00
	0.00	2.48	2.07	.53	1.06	3.26	.87	1.73	.27	1.19	2.16	0.00
	1	6	7	7	3	4	6	8	3	3	7	0
250	6.86	9.76	9.70	9.58	11.39	7.45	10.69	9.59	10.61	10.54	10.68	0.00
	0.00	3.11	2.27	.74	.60	2.31	1.12	1.33	.25	.95	2.07	0.00
	1	4	7	7	3	4	6	8	3	2	7	0
300	6.03	10.55	8.70	8.55	10.83	6.82	9.37	8.32	9.38	9.28	9.72	0.00
	0.00	4.31	1.96	.78	.29	1.84	1.51	.90	.27	.61	2.03	0.00
	1	3	7	7	3	4	6	8	3	2	7	0
400	4.26	9.86	6.76	6.69	8.27	5.76	7.42	6.35	7.20	7.32	8.06	0.00
	0.00	0.00	1.43	.86	.18	1.17	1.13	.42	.48	0.00	.82	0.00
	1	1	7	7	3	4	6	7	3	1	3	0
500	0.00	0.00	5.68	5.62	6.56	5.07	5.95	5.39	5.89	5.78	8.89	0.00
	0.00	0.00	.68	.61	.04	.58	.64	.30	.61	0.00	5.44	0.00
	0	0	7	7	3	4	5	6	3	1	3	0
600	0.00	0.00	4.91	5.09	5.31	4.68	5.16	4.92	5.37	0.00	5.14	0.00
	0.00	0.00	.30	.35	.05	.29	.31	.48	.47	0.00	0.00	0.00
	0	0	7	7	3	4	5	6	3	0	1	0
800	0.00	0.00	4.41	4.45	4.46	4.22	4.47	4.43	4.52	0.00	4.55	0.00
	0.00	0.00	.17	.23	.20	.18	.16	.31	.04	0.00	0.00	0.00
	0	0	6	7	3	4	6	5	2	0	1	0
1000	0.00	0.00	4.08	4.06	4.26	3.78	4.22	4.17	4.19	0.00	0.00	0.00
	0.00	0.00	.10	.17	0.00	.03	.15	.16	.10	0.00	0.00	0.00
	0	0	6	7	2	2	5	5	2	0	0	0

TEMPERATURE FOR SUBAREA 33 CENTRAL SLOPE

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	2.51	4.81	2.98	5.01	7.09	10.71	15.89	19.16	17.98	15.95	11.97	7.25
	1.52	3.62	2.00	1.65	1.95	1.64	1.67	1.63	2.36	2.65	2.80	2.58
	6	21	17	10	15	15	23	44	9	16	25	6
10	2.47	4.72	2.70	4.88	6.61	10.21	14.46	18.22	17.16	16.06	11.63	7.63
	1.49	3.38	1.97	1.79	1.98	1.37	2.36	1.90	2.37	2.80	2.94	2.33
	6	25	24	12	18	20	28	47	14	16	29	8
20	2.48	4.82	2.77	5.00	6.27	9.11	12.35	14.25	15.69	15.58	11.64	7.80
	1.49	3.41	2.08	2.01	2.34	1.18	3.82	3.50	4.81	3.20	3.16	2.56
	6	25	24	12	18	21	28	47	14	16	29	8
30	2.52	5.03	2.99	5.22	6.65	7.74	9.82	10.72	12.90	15.24	11.61	7.82
	1.48	3.45	2.11	2.18	2.61	1.62	3.53	3.94	5.43	3.49	3.48	2.67
	6	25	24	12	18	21	28	47	14	16	29	8
50	3.17	5.48	3.76	5.60	6.75	6.22	7.01	8.47	7.71	11.02	10.91	6.82
	1.77	3.49	2.34	2.63	2.97	1.67	3.39	4.02	3.95	5.28	4.05	3.27
	6	25	24	12	18	21	28	47	14	16	29	8
75	5.16	7.39	5.27	6.76	7.77	7.08	7.33	8.66	7.84	10.13	8.37	6.05
	2.33	3.80	3.15	2.91	3.33	2.15	3.08	3.62	3.71	4.33	3.32	4.66
	6	25	24	12	18	21	28	47	14	16	29	8
100	4.26	8.78	6.58	8.07	8.96	8.17	8.24	9.39	8.49	10.75	8.29	5.69
	1.48	3.49	3.24	2.47	3.12	2.28	3.01	3.21	3.51	3.38	3.80	5.50
	6	25	24	12	18	21	27	46	14	16	29	8
150	5.56	9.16	7.58	8.29	9.23	9.04	8.73	9.58	9.50	10.45	9.10	7.08
	1.79	3.08	2.95	1.65	2.55	1.53	2.63	2.18	2.38	2.46	2.53	4.11
	6	25	23	12	17	20	27	45	14	16	29	8
200	6.12	9.05	7.67	7.39	8.56	8.30	8.68	8.92	8.63	9.98	8.99	6.90
	1.34	2.67	2.10	1.52	1.68	1.47	2.44	1.88	1.93	1.61	1.73	3.38
	6	25	21	12	17	18	26	43	14	16	25	8
250	6.11	8.20	6.83	6.79	7.70	7.05	7.69	7.97	7.54	8.93	7.85	6.52
	1.50	2.49	1.69	1.45	1.48	1.08	1.79	1.79	1.72	1.65	1.45	2.74
	6	24	21	12	16	15	21	40	14	14	25	8
300	6.01	7.76	6.36	6.08	6.67	6.09	6.83	7.35	7.02	7.77	6.86	6.50
	1.03	2.39	1.10	1.29	1.18	1.00	1.13	1.77	1.08	1.64	1.28	2.46
	5	18	16	12	12	14	20	36	12	13	24	5
400	4.53	5.50	5.30	5.38	5.41	5.17	5.59	5.99	5.55	6.32	5.42	5.57
	.83	.81	.75	.96	.64	.63	.77	1.22	.54	1.23	.81	1.31
	5	12	11	12	8	14	18	32	11	11	20	5
500	4.46	5.02	4.78	5.19	4.70	4.87	4.81	5.22	4.83	5.22	4.91	4.48
	0.00	.22	.43	.74	.20	.43	.43	.60	.39	.38	.49	.09
	1	4	10	11	4	12	15	19	7	4	15	2
600	4.30	4.82	4.54	4.82	4.51	4.57	4.60	4.77	4.49	4.85	4.52	4.20
	0.00	.18	.31	.73	.21	.31	.26	.30	.21	.27	.10	0.00
	1	3	8	11	3	12	11	15	5	4	8	1
800	4.03	4.42	4.18	4.42	4.28	4.22	4.29	4.39	4.15	4.24	4.24	0.00
	0.00	.11	.16	.69	.20	.23	.11	.12	.11	.07	.10	0.00
	1	3	8	10	2	11	11	14	3	2	6	0
1000	0.00	0.00	3.99	4.32	4.19	4.02	4.04	4.14	3.89	0.00	4.00	0.00
	0.00	0.00	.10	.60	0.00	.17	.06	.04	0.00	0.00	0.00	0.00
	0	0	6	7	1	6	4	12	1	0	1	0

TEMPERATURE FOR SUBAREA 34 NORTHERN SLOPE

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	4.63	4.01	2.33	4.43	6.28	9.76	14.95	18.20	16.30	15.63	12.43	7.47
	.69	2.47	1.55	2.70	3.06	3.03	3.21	1.89	2.78	2.35	3.11	2.70
	7	17	20	21	21	31	31	24	14	14	28	9
10	4.44	3.99	2.13	4.27	5.91	9.13	13.72	17.74	16.47	15.09	12.45	7.52
	.66	2.49	1.47	2.72	2.41	3.20	1.69	2.33	2.85	2.60	3.14	2.68
	7	18	21	24	25	38	31	27	16	16	28	9
20	4.52	4.18	2.19	4.38	5.54	8.02	11.78	13.76	14.07	14.91	12.66	7.77
	.76	2.55	1.54	2.80	2.79	3.19	2.32	4.48	3.85	2.76	3.23	2.58
	7	18	21	24	25	38	31	27	16	16	28	9
30	4.87	4.48	2.33	4.53	5.42	7.04	8.71	10.51	9.85	14.02	12.52	7.90
	.68	2.81	1.60	2.88	3.12	3.45	2.93	5.46	4.97	3.17	3.65	2.55
	7	18	21	24	25	40	31	28	16	16	28	9
50	5.96	4.99	2.81	5.07	5.45	5.86	5.01	7.73	5.53	10.01	10.71	7.33
	.74	3.16	1.66	2.99	3.80	3.48	2.89	5.55	4.44	4.78	4.50	2.42
	7	18	20	23	25	40	31	28	.17	16	28	9
75	6.80	6.16	4.12	6.02	6.18	6.01	5.60	7.89	5.49	7.71	8.04	5.65
	1.51	3.85	2.62	2.82	4.23	3.58	3.34	5.14	4.84	5.07	5.00	3.54
	7	18	20	23	24	40	31	28	17	16	28	9
100	6.06	6.88	5.99	7.17	6.94	7.43	6.76	7.71	6.11	7.97	8.40	4.57
	1.63	4.07	2.85	2.63	4.08	3.76	2.95	4.83	4.30	4.60	4.15	4.01
	7	18	18	23	24	39	30	28	17	16	28	9
150	6.70	6.90	7.31	7.66	7.51	8.23	8.33	8.79	7.08	9.18	8.93	5.57
	2.07	3.35	2.27	2.10	3.40	2.95	2.35	3.54	3.08	2.84	2.71	3.33
	7	19	17	23	23	36	23	28	17	16	28	9
200	6.71	6.56	6.91	7.60	7.24	7.69	8.24	8.99	6.91	8.70	8.58	5.85
	1.32	2.75	2.09	1.52	2.36	2.39	2.05	2.48	2.53	2.50	2.10	2.59
	7	19	16	22	22	34	18	25	16	15	28	9
250	6.59	6.08	6.49	7.01	6.48	6.92	7.17	8.35	6.32	7.90	7.86	5.64
	.95	2.16	1.77	1.21	1.87	2.11	1.79	2.08	1.99	2.29	1.83	2.00
	7	18	16	22	22	32	16	22	16	15	28	9
300	6.31	5.82	5.95	6.50	5.76	6.25	6.63	7.61	5.64	7.08	6.91	5.49
	.98	1.81	1.21	.94	1.40	1.77	3.20	1.94	1.61	2.06	1.55	1.49
	7	17	14	22	17	29	15	21	16	15	27	9
400	5.59	5.24	5.03	5.76	5.15	5.30	5.09	6.22	5.07	5.69	5.52	4.95
	.76	.85	.87	.57	1.16	.98	.84	1.49	1.02	1.38	.88	.94
	6	13	13	22	14	27	14	21	16	14	22	9
500	4.62	4.83	4.73	5.13	4.99	4.83	4.57	5.40	4.49	5.01	4.95	4.70
	0.00	.19	.50	.47	.35	.65	.42	1.54	.42	.62	.45	.20
	1	6	11	21	10	24	7	15	14	13	15	5
600	4.29	4.79	4.45	4.89	4.74	4.61	4.40	5.17	4.35	4.76	4.77	4.62
	0.00	.13	.29	.51	.30	.43	.34	2.14	.29	.32	.50	.43
	1	3	10	18	8	22	5	11	14	10	8	4
800	4.06	4.27	4.13	4.53	4.23	4.29	4.17	5.11	4.12	4.38	4.30	5.31
	0.00	.15	.13	.49	.24	.23	.20	2.68	.13	.22	.15	1.76
	1	3	9	17	6	20	5	8	12	9	5	3
1000	3.89	3.98	3.99	4.29	4.10	4.05	3.99	4.14	3.93	4.14	4.20	0.00
	0.00	.12	.08	.41	.20	.20	.19	.15	.10	.13	.09	0.00
	1	3	7	16	6	16	3	6	10	5	2	0

TEMPERATURE FOR SUBAREA 35 NORTHERN OFFSHORE

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	15.60	9.24	4.98	10.30	10.25	14.33	16.43	20.76	17.97	17.07	15.27	11.70
	0.00	3.74	3.97	1.84	4.38	5.24	2.76	2.87	1.18	3.26	2.83	1.56
	1	5	9	8	8	11	12	10	10	8	12	2
10	16.18	9.36	4.79	9.43	10.41	12.59	14.49	19.50	17.63	17.29	15.45	11.04
	0.00	3.83	3.73	2.81	4.35	5.40	3.43	3.99	1.64	3.15	2.96	.57
	1	5	11	11	10	13	12	11	10	9	12	2
20	16.18	9.97	4.85	9.71	10.23	11.82	12.44	17.76	16.82	17.22	15.77	12.16
	0.00	3.57	3.76	2.86	4.49	5.48	4.21	5.53	3.04	3.16	2.98	.61
	1	5	11	11	10	13	12	11	10	9	12	2
30	16.18	11.19	4.98	10.00	9.90	10.70	11.07	14.89	11.66	15.82	16.05	12.55
	0.00	1.23	3.84	2.95	4.67	5.54	4.97	6.95	4.32	6.04	3.08	1.55
	1	5	11	11	10	13	12	11	10	9	12	2
50	16.19	12.07	5.34	10.56	9.87	8.50	8.92	10.79	5.46	15.01	13.10	10.71
	0.00	1.25	3.91	3.19	4.54	5.94	5.98	5.49	3.82	6.19	6.48	5.94
	1	5	11	11	10	13	12	12	10	9	12	2
75	16.19	12.44	6.14	11.11	9.94	8.85	8.42	10.49	6.70	11.65	10.66	10.61
	0.00	.88	3.92	2.71	4.55	5.69	5.44	5.10	3.74	5.59	6.95	6.27
	1	5	11	11	10	13	12	12	10	9	12	2
100	16.09	12.87	7.33	11.63	10.62	9.61	9.18	10.81	8.18	11.05	10.79	12.10
	0.00	1.20	4.03	1.92	3.67	5.12	4.25	5.08	3.14	4.91	4.89	3.85
	1	5	11	11	10	13	12	12	10	9	12	2
150	14.64	12.80	8.78	11.45	10.12	9.59	9.62	11.23	8.48	10.34	10.28	10.82
	0.00	.62	3.68	1.45	3.24	4.06	3.18	3.36	2.01	4.27	4.08	3.71
	1	5	11	11	9	13	12	11	10	9	12	2
200	14.58	12.18	8.03	10.53	9.47	9.21	8.73	10.68	7.43	9.53	9.74	9.54
	0.00	.71	3.36	2.26	3.39	3.59	2.54	2.65	1.62	3.66	3.27	3.61
	1	4	11	11	9	13	12	11	10	9	12	2
250	12.50	11.15	7.41	9.43	9.18	8.44	7.80	10.10	6.70	8.74	9.39	8.38
	0.00	1.36	2.76	2.22	2.90	3.34	2.35	3.71	1.30	2.97	2.47	2.93
	1	4	11	11	8	13	12	11	10	8	11	2
300	10.93	9.22	6.52	8.46	8.20	7.75	7.09	8.66	5.94	7.89	9.14	7.33
	0.00	.33	1.96	1.97	2.57	3.03	2.05	3.00	.99	2.59	2.28	2.18
	1	3	10	11	8	13	12	11	10	8	9	2
400	8.55	7.59	5.57	6.79	6.02	6.00	5.79	6.30	5.24	6.58	6.38	6.05
	0.00	.20	1.04	1.36	1.50	1.60	1.28	1.82	.38	1.76	1.25	1.37
	1	2	10	11	6	10	12	10	10	8	6	2
500	6.44	6.45	5.18	5.76	5.22	5.14	5.21	5.30	4.82	5.21	5.22	5.13
	0.00	0.00	.50	.81	.73	.95	.78	.78	.23	.98	.47	1.04
	1	1	9	11	4	10	9	6	10	6	4	2
600	6.26	5.47	5.05	5.12	4.82	4.72	4.78	5.83	4.54	4.69	4.62	4.54
	0.00	0.00	.90	.42	.49	.48	.45	2.61	.12	.30	.34	.38
	1	1	9	11	4	10	9	6	10	5	4	2
800	0.00	4.84	4.24	4.54	4.35	4.32	4.31	4.37	4.23	4.34	4.29	4.18
	0.00	0.00	.18	.32	.35	.25	.23	.30	.08	.21	.09	.20
	0	1	9	11	4	8	9	6	10	4	3	2
1000	0.00	4.26	4.01	4.26	4.15	3.93	4.10	4.11	4.00	4.24	4.02	0.00
	0.00	0.00	.14	.29	.20	.09	.18	.29	.11	.41	0.00	0.00
	0	1	9	11	4	6	5	6	10	4	1	0

SALINITY FOR SUBAREA 1 SYDNEY BIGHT

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	30.70 .42 11	30.39 .99 4	31.66 .52 18	31.05 .32 8	30.30 .65 10	30.35 .44 25	29.81 1.24 23	29.36 .71 38	29.18 1.03 17	29.54 .28 9	30.05 .59 21	0.00 0.00 0
10	30.79 .51 11	31.05 .34 6	31.59 .45 28	31.17 .36 9	30.45 .63 11	30.48 .49 27	29.89 1.11 23	29.48 .84 40	29.22 1.04 17	29.67 .30 11	30.34 .87 29	0.00 0.00 0
20	30.85 .45 11	31.09 .33 6	31.63 .42 28	31.31 .39 9	30.63 .52 11	30.72 .46 27	30.14 .90 23	30.10 1.11 40	29.49 1.07 17	29.92 .44 11	30.46 .91 29	0.00 0.00 0
30	31.10 .37 11	31.20 .30 6	31.67 .40 28	31.43 .40 9	30.91 .45 11	30.95 .48 28	30.87 1.09 23	30.71 .93 40	30.02 1.13 17	30.24 .68 11	30.58 .95 29	0.00 0.00 0
50	31.37 .36 11	31.53 .27 6	31.75 .36 28	31.61 .31 9	31.27 .40 11	31.53 .42 27	31.61 .90 22	31.74 .66 40	31.06 1.18 16	31.03 .84 10	30.97 .85 29	0.00 0.00 0
75	31.75 .18 8	32.02 .15 5	31.97 .35 19	32.29 .32 6	31.76 .50 8	32.33 .30 18	32.23 .81 17	32.36 .25 31	31.94 1.04 13	31.96 .60 6	31.89 .63 13	0.00 0.00 0
100	32.00 .19 7	32.43 .09 2	32.10 .19 10	32.58 .33 4	32.20 .57 8	32.73 .26 12	32.64 .84 15	32.69 .20 25	32.65 .67 12	32.14 .32 4	32.71 .17 8	0.00 0.00 0
150	33.25 .39 4	33.35 0.00 1	33.85 .25 6	0.00 0.00 0	33.35 .58 6	33.75 .18 5	32.84 1.10 7	33.54 .43 11	33.65 .44 7	33.20 .53 2	32.61 1.10 3	0.00 0.00 0
200	0.00 0.00 0	0.00 .14 0	34.31 0.00 2	0.00 0.00 0	0.00 0.00 0	34.26 0.00 1	33.65 0.00 1	34.22 0.00 1	34.52 0.00 1	33.44 0.00 1	33.48 1.18 3	0.00 0.00 0
250	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	34.52 0.00 1	34.43 0.00 1	0.00 0.00 0	35.05 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0
300	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	34.68 0.00 1	33.94 0.00 1	0.00 0.00 0	35.18 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0

SALINITY FOR SUBAREA 2 N. LAURENTIAN CHANNEL

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.67 .50 12	31.30 .64 12	31.63 .19 44	31.55 .30 21	31.36 .46 27	31.19 .41 58	30.70 .98 35	30.74 .66 75	30.92 1.09 30	30.97 .77 17	31.18 .74 59	0.00 0.00 0
10	31.72 .52 12	31.39 .43 14	31.65 .18 48	31.61 .28 22	31.48 .40 30	31.23 .38 60	30.93 .71 36	30.84 .59 78	30.96 1.05 30	31.40 .80 26	31.21 .74 59	0.00 0.00 0
20	31.75 .49 12	31.50 .37 14	31.67 .18 48	31.67 .27 22	31.59 .38 30	31.51 .30 60	31.34 .39 36	31.36 .58 78	31.11 .89 30	31.62 .72 26	31.30 .72 59	0.00 0.00 0
30	31.80 .49 12	31.59 .36 14	31.70 .20 48	31.72 .27 22	31.73 .29 31	31.70 .33 60	31.69 .35 36	31.82 .46 78	31.60 .74 30	31.82 .67 26	31.45 .67 59	0.00 0.00 0
50	31.99 .41 12	31.85 .36 14	31.79 .20 48	31.91 .28 22	32.02 .22 31	32.07 .24 60	32.13 .26 36	32.24 .26 78	32.07 .57 31	32.31 .51 26	31.99 .56 59	0.00 0.00 0
75	32.11 .37 12	32.17 .29 14	31.94 .21 48	32.25 .27 22	32.27 .22 31	32.38 .18 59	32.48 .16 36	32.53 .17 78	32.38 .50 30	32.72 .28 26	32.43 .82 59	0.00 0.00 0
100	32.43 .36 12	32.49 .33 14	32.25 .31 48	32.72 .42 22	32.55 .37 31	32.72 .22 59	32.84 .30 36	32.80 .19 78	32.67 .45 30	33.04 .35 26	32.85 .25 59	0.00 0.00 0
150	33.17 .31 12	33.33 .25 14	33.41 .21 48	33.57 .30 22	33.25 .46 31	33.51 .32 58	33.69 .29 36	33.50 .29 76	33.33 .53 30	33.80 .49 26	33.50 .27 56	0.00 0.00 0
200	33.86 .40 12	34.14 .20 13	34.17 .18 48	34.23 .24 22	33.97 .40 31	34.19 .28 57	34.23 .42 36	34.12 .31 76	33.94 .63 30	34.35 .27 25	34.12 .20 54	0.00 0.00 0
250	34.31 .25 12	34.45 .16 12	34.50 .10 39	34.45 .22 21	34.37 .23 30	34.50 .15 56	34.54 .20 33	34.42 .23 72	34.16 .67 24	34.54 .19 22	34.40 .18 46	0.00 0.00 0
300	34.53 .20 12	34.61 .17 9	34.63 .07 33	34.59 .21 19	34.58 .11 27	34.65 .10 51	34.69 .13 31	34.60 .15 68	34.37 .54 22	34.67 .16 17	34.55 .22 36	0.00 0.00 0
400	34.79 .03 5	34.84 .05 5	34.74 0.00 1	34.77 .12 14	34.70 .12 18	34.76 .23 37	34.81 .07 17	34.77 .09 57	34.70 .19 11	34.79 .03 5	34.76 .12 21	0.00 0.00 0
500	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 .04 3	34.86 .04 0	0.00 0.00 0	0.00 0.00 0	34.70 .23 3	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0

SALINITY FOR SUBAREA 3 S. LAURENTIAN CHANNEL

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	32.46 .15 2	32.40 .34 3	31.93 .11 2	31.85 .64 6	32.13 .49 3	31.52 .66 9	31.04 .60 16	31.52 .72 22	31.73 .11 2	31.68 .30 2	31.87 .25 4	0.00 0.00 0
10	32.46 .15 2	32.31 .42 4	31.84 .11 2	31.98 .68 7	32.16 .51 3	31.37 .81 9	31.14 .75 16	31.64 .70 22	31.21 .76 5	31.64 .25 2	31.87 .25 4	0.00 0.00 0
20	32.46 .15 2	32.35 .40 4	31.84 .12 2	31.99 .69 7	32.19 .54 3	31.70 .64 9	31.65 .68 16	31.97 .36 22	31.49 .50 5	31.64 .26 2	31.88 .26 4	0.00 0.00 0
30	32.46 .15 2	32.40 .38 4	31.91 .14 2	32.05 .67 7	32.22 .56 3	32.11 .57 10	32.05 .62 16	32.30 .28 22	31.90 .42 5	31.64 .27 2	31.95 .26 4	0.00 0.00 0
50	32.46 .14 2	32.48 .33 4	32.15 .14 2	32.26 .58 7	32.28 .61 3	32.39 .42 10	32.36 .44 16	32.60 .22 22	32.42 .31 5	31.91 .58 2	32.20 .44 4	0.00 0.00 0
75	32.49 .10 2	32.64 .18 4	32.60 .55 2	32.51 .46 7	32.65 .37 3	32.67 .36 10	32.71 .36 16	32.91 .16 22	32.76 .39 5	32.31 .76 2	32.88 .15 4	0.00 0.00 0
100	32.61 .06 2	32.84 .20 4	33.19 .53 2	32.82 .51 7	33.00 .19 3	32.90 .40 10	33.06 .40 16	33.11 .21 22	33.04 .41 5	32.78 .98 2	33.08 .23 4	0.00 0.00 0
150	32.97 .07 2	33.57 .28 4	34.17 .38 2	33.78 .45 7	33.57 .36 3	33.62 .49 10	33.95 .36 15	33.91 .20 22	33.64 .50 5	33.24 .04 2	33.92 .24 4	0.00 0.00 0
200	33.39 .30 2	34.06 .39 4	0.00 0.00 0	34.30 .34 7	34.13 .64 3	34.33 .48 10	34.44 .27 15	34.42 .12 22	34.19 .53 5	33.16 0.00 1	34.39 .09 4	0.00 0.00 0
250	33.81 0.00 1	34.44 .23 3	0.00 0.00 0	34.54 .20 5	34.40 .43 3	34.53 .36 7	34.57 .24 14	34.59 .07 22	34.37 .57 3	34.32 0.00 1	34.12 .62 2	0.00 0.00 0
300	34.51 0.00 1	34.64 .09 3	0.00 0.00 0	34.64 .18 0	34.61 .23 5	34.64 .26 3	34.65 .25 7	34.71 .06 12	34.39 .50 22	0.00 0.00 2	34.65 0.00 0	0.00 0.00 0
400	34.69 0.00 1	34.88 .12 2	0.00 0.00 0	34.63 .18 0	34.63 .20 2	34.79 .11 2	34.69 .22 6	34.83 .04 8	34.70 0.00 18	0.00 0.00 1	0.00 0.00 0	0.00 0.00 0

SALINITY FOR SUBAREA 4 BANQUEREAU

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.75 .54 5	32.21 .52 5	32.39 .27 10	32.04 .23 8	32.01 .41 16	31.58 .59 14	31.17 .43 41	31.05 .46 26	0.00 0.00 0	30.88 .62 9	31.33 .57 13	0.00
10	31.76 .54 5	32.18 .37 10	32.37 .26 10	32.05 .23 8	32.11 .75 16	31.70 .40 19	31.20 .45 41	31.13 .37 26	31.13 1.05 4	31.05 .69 11	31.45 .60 13	0.00
20	31.80 .51 5	32.20 .37 10	32.38 .26 10	32.33 .60 8	32.13 .67 16	31.87 .27 19	31.47 .43 41	31.49 .35 26	31.45 .75 4	31.12 .70 11	31.49 .59 13	0.00
30	31.82 .51 5	32.22 .37 10	32.38 .26 10	32.13 .23 8	32.31 1.07 9	31.99 .30 18	31.88 .35 41	31.95 .45 25	31.76 .48 4	31.43 .67 11	31.51 .57 13	0.00
50	31.88 .48 5	32.25 .40 9	32.45 .27 10	32.29 .22 8	32.60 .81 8	32.43 .38 14	32.31 .31 36	32.54 .33 18	32.42 .15 4	32.38 .48 9	32.14 .61 11	0.00
75	32.16 .35 4	32.65 .17 7	32.77 .21 6	32.67 .30 5	33.24 .10 2	33.05 .59 6	32.84 .36 18	33.25 .55 10	32.88 .13 2	33.03 .38 6	32.91 .22 5	0.00
100	0.00 0.00 0	33.04 .24 7	33.14 .32 6	33.08 .53 5	32.65 .48 2	33.26 .67 5	33.31 .54 13	33.68 .67 10	0.00 0.00 0	33.27 .45 6	33.17 .29 5	0.00
150	0.00 0.00 0	33.74 .36 6	34.22 .39 5	33.86 .37 4	33.42 1.10 2	34.16 .38 4	34.46 .39 7	33.98 .96 6	0.00 0.00 0	34.24 .26 2	33.58 .48 5	0.00
200	0.00 0.00 0	34.21 .37 5	34.08 .63 4	34.62 .26 4	33.49 1.28 2	34.51 .32 3	34.67 .15 3	34.49 .67 2	0.00 0.00 0	34.77 .02 2	34.40 .22 5	0.00
250	0.00 0.00 0	34.29 .15 2	34.09 0.00 1	34.72 .15 4	33.58 1.38 2	34.64 .24 3	34.86 .14 3	34.65 .53 2	0.00 0.00 0	34.75 0.00 1	34.66 .15 5	0.00
300	0.00 0.00 0	34.33 .16 2	0.00 0.00 0	34.78 .08 4	33.69 1.33 2	34.70 .07 3	35.07 0.00 1	34.77 .28 5	0.00 0.00 0	34.75 0.00 1	34.75 .16 5	0.00
400	0.00 0.00 0	34.72 0.00 1	0.00 0.00 0	34.89 .01 3	34.74 0.00 1	34.83 .04 3	0.00 0.00 0	34.89 0.00 1	0.00 0.00 0	34.86 0.00 1	34.87 .18 3	0.00
500	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	34.90 .01 3	0.00 0.00 0	34.87 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	34.94 0.00 1	0.00
600	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	34.88 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00
800	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	34.92 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00

SALINITY FOR SUBAREA 5 MISAIN BANK

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.19 .37 9	31.67 .29 10	32.12 .90 12	31.28 .31 7	31.47 .29 23	30.92 .36 16	30.51 .52 45	30.32 .65 31	30.41 .50 6	30.21 .52 14	30.75 .64 23	0.00
10	31.20 .35 9	31.65 .27 11	32.10 .88 13	31.31 .35 7	31.47 .27 24	31.09 .38 22	30.60 .48 45	30.38 .64 31	30.44 .40 9	30.32 .58 15	30.80 .63 25	0.00
20	31.27 .33 9	31.70 .26 11	32.12 .91 13	31.38 .35 7	31.53 .27 24	31.28 .34 22	30.93 .44 45	31.00 .41 31	30.67 .40 9	30.42 .62 15	30.87 .62 25	0.00
30	31.35 .28 9	31.78 .32 11	32.16 .89 13	31.48 .36 7	31.63 .29 18	31.52 .33 22	31.38 .32 45	31.39 .33 31	31.29 .46 9	30.86 .56 15	31.05 .61 25	0.00
50	31.55 .24 9	31.89 .39 10	32.35 .82 13	31.78 .34 7	31.96 .28 17	31.90 .31 22	31.96 .24 45	32.04 .25 31	31.83 .73 9	32.04 .19 15	31.95 .50 25	0.00
75	31.92 .23 9	32.17 .41 9	32.68 .78 11	32.04 .23 7	32.30 .26 13	32.30 .22 21	32.36 .26 39	32.37 .24 25	32.33 .32 8	32.49 .21 14	32.53 .23 20	0.00
100	32.23 .12 4	32.39 .23 5	33.13 1.01 9	32.42 .56 6	32.55 .29 9	32.59 .23 13	32.64 .27 29	32.61 .22 16	32.51 .35 4	32.76 .22 8	32.71 .26 12	0.00
150	32.65 0.00 1	32.80 .44 3	33.65 .83 3	33.01 .43 4	32.83 .35 5	33.12 .38 7	33.24 .44 17	33.04 .42 10	32.43 0.00 1	32.82 .17 4	32.95 .18 4	0.00
200	0.00 0.00 0	32.99 .62 3	0.00 0.00 0	33.31 .26 2	33.41 .11 3	33.51 .23 4	33.44 .51 13	33.25 .47 6	0.00 0.00 0	32.82 0.00 1	33.26 .47 4	0.00
250	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	33.54 0.00 1	33.40 0.00 2	0.00 0.00 0	33.76 .11 4	33.39 .45 4	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00
300	0.00 0.00 0	33.64 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00						

SALINITY FOR SUBAREA 6 CANSO

MEAN, S.D., NO. OF OBSERVATIONS

SALINITY FOR SUBAREA 7 MIDDLE BANK

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.29 .49 11	31.36 .18 3	32.02 .50 3	31.83 .17 2	31.34 .37 13	31.09 .39 5	30.95 .47 30	30.61 .65 17	30.65 .23 2	0.00 0.00 0	30.77 .33 6	0.00 0.00 0
10	31.29 .49 11	31.39 .17 3	32.00 .51 3	31.89 .06 2	31.45 .40 13	31.26 .44 7	31.03 .49 30	30.65 .70 17	30.91 .18 3	0.00 0.00 0	30.86 .32 12	0.00 0.00 0
20	31.33 .47 11	31.38 .15 3	32.02 .50 3	31.95 .05 2	31.66 .33 13	31.49 .25 7	31.28 .47 30	31.21 .44 17	31.29 .22 3	0.00 0.00 0	30.94 .38 12	0.00 0.00 0
30	31.39 .45 11	31.39 .14 3	32.02 .49 3	31.99 .09 2	31.81 .26 13	31.67 .15 7	31.57 .35 30	31.67 .34 17	31.65 .27 3	0.00 0.00 0	31.10 .42 12	0.00 0.00 0
50	31.56 .51 10	31.56 .06 2	32.04 .50 3	32.22 0.00 1	32.12 .21 13	32.05 .09 6	31.98 .31 20	32.18 .17 15	32.19 .32 3	0.00 0.00 0	31.77 .50 12	0.00 0.00 0
75	32.17 .54 5	32.21 0.00 1	32.30 .29 3	32.21 0.00 1	32.38 .28 10	32.42 .16 4	32.49 .15 11	32.51 .12 9	32.36 0.00 1	0.00 0.00 0	32.33 .34 11	0.00 0.00 0
100	32.40 .47 5	32.45 0.00 1	32.45 .36 2	32.95 0.00 1	32.56 .32 8	32.62 .09 3	32.72 .13 8	32.58 .11 7	32.50 0.00 1	0.00 0.00 0	32.67 .50 7	0.00 0.00 0
150	32.70 .06 2	32.72 0.00 1	32.84 0.00 0	0.00 .27 0	32.70 .08 5	32.76 .25 2	32.92 .15 2	32.77 .00 5	32.72 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0
200	32.83 .08 2	32.83 0.00 1	0.00 0.00 0	0.00 .40 4	32.77 0.00 1	32.84 0.00 0	0.00 .12 0	32.83 .00 3	32.79 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0

SALINITY FOR SUBAREA 8 THE GULLY

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	32.49	0.00	32.23	32.56	32.09	31.92	31.07	30.83	0.00	0.00	30.90	0.00
	0.00	0.00	.26	.40	.11	0.00	.31	.24	0.00	0.00	0.00	0.00
	1	0	6	6	8	1	16	2	0	0	1	0
10	32.49	32.08	32.23	32.58	32.15	31.90	31.13	30.89	0.00	0.00	30.84	0.00
	0.00	.00	.25	.43	.16	.32	.30	.35	0.00	0.00	0.00	0.00
	1	2	6	6	8	2	16	2	0	0	1	0
20	32.49	32.09	32.32	32.61	32.26	32.00	31.52	31.23	0.00	0.00	30.86	0.00
	0.00	.01	.25	.46	.25	.43	.35	.66	0.00	0.00	0.00	0.00
	1	2	6	6	8	2	16	2	0	0	1	0
30	32.49	32.11	32.36	32.64	32.36	32.08	31.99	31.72	0.00	0.00	30.76	0.00
	0.00	.01	.27	.49	.32	.44	.40	.18	0.00	0.00	0.00	0.00
	1	2	6	6	7	2	13	2	0	0	1	0
50	32.49	32.15	32.43	32.80	32.73	32.36	32.41	32.28	0.00	0.00	31.52	0.00
	0.00	.03	.33	.43	.56	.39	.37	.11	0.00	0.00	0.00	0.00
	1	2	6	6	6	2	13	2	0	0	1	0
75	32.51	32.60	32.56	33.15	33.09	32.90	32.88	32.81	0.00	0.00	32.23	0.00
	0.00	.02	.34	.23	.22	.41	.32	.22	0.00	0.00	0.00	0.00
	1	2	6	5	3	2	12	2	0	0	1	0
100	32.69	33.02	32.85	33.67	33.62	33.37	33.39	33.26	0.00	0.00	33.06	0.00
	0.00	.06	.30	0.00	.17	.63	.31	.31	0.00	0.00	0.00	0.00
	1	2	6	1	3	2	12	2	0	0	1	0
150	33.75	33.55	33.25	0.00	34.37	34.63	33.93	33.94	0.00	0.00	0.00	0.00
	0.00	.02	.35	0.00	.39	0.00	.14	.19	0.00	0.00	0.00	0.00
	1	2	6	0	3	1	8	2	0	0	0	0
200	32.58	34.08	33.78	0.00	34.76	0.00	34.35	0.00	0.00	0.00	0.00	0.00
	0.00	.01	.21	0.00	.20	0.00	.09	0.00	0.00	0.00	0.00	0.00
	1	2	5	0	2	0	8	0	0	0	0	0
250	33.25	34.57	34.16	0.00	34.75	0.00	34.57	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	.29	0.00	.17	0.00	.01	0.00	0.00	0.00	0.00	0.00
	1	1	3	0	2	0	2	0	0	0	0	0
300	33.92	0.00	34.52	0.00	34.72	0.00	34.61	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1	0	1	0	2	0	1	0	0	0	0	0
400	0.00	0.00	0.00	0.00	34.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0	0	1	0	0	0	0	0	0	0

SALINITY FOR SUBAREA 9 SABLE ISLAND

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.88 .49 6	31.40 0.00 1	32.52 .94 3	32.30 .40 5	32.05 .10 9	32.00 0.00 1	31.60 .47 17	31.18 .36 4	0.00 0.00 0	31.19 0.00 1	30.90 .13 4	30.91 0.00 1
10	31.90 .53 6	31.38 0.00 1	32.57 .85 3	32.30 .42 5	32.06 .11 9	31.82 0.00 1	31.63 .46 17	31.29 .42 4	31.21 .14 2	31.13 0.00 1	30.89 .11 4	30.91 0.00 1
20	31.92 .52 6	31.39 0.00 1	32.59 .82 3	32.34 .40 5	32.09 .09 9	32.09 0.00 1	31.84 .41 17	31.54 .72 4	31.39 .06 2	31.13 0.00 1	30.92 .15 4	30.91 0.00 1
30	31.94 .52 6	31.41 0.00 1	32.62 .77 3	32.40 .38 5	32.15 .09 9	32.16 0.00 1	32.01 .40 17	31.82 .54 4	31.57 .01 2	31.21 0.00 1	31.00 .24 4	31.19 0.00 1
50	32.14 .53 3	31.46 0.00 1	32.72 .67 3	33.06 .05 2	32.31 .33 7	32.52 0.00 1	32.67 .41 9	32.37 0.00 1	32.01 0.00 1	33.04 0.00 1	31.55 .26 3	31.76 0.00 1
75	0.00 0.00 0	0.00 0.00 0	33.74 0.00 1	0.00 0.00 0	33.22 0.00 1	0.00 0.00 0	33.27 .31 5	32.97 0.00 1	0.00 0.00 0	33.61 0.00 1	0.00 0.00 0	32.39 0.00 1
100	0.00 0.00 0	0.00 0.00 0	34.29 0.00 1	0.00 0.00 0	33.80 0.00 1	0.00 0.00 0	33.80 .23 2	34.04 0.00 1	0.00 0.00 0	33.62 0.00 1	0.00 0.00 0	0.00 0.00 0
150	0.00 0.00 0	0.00 0.00 0	34.82 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	34.46 .14 2	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0
200	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	34.61 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0
250	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	34.81 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0
300	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	35.06 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0
400	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	34.98 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0

SALINITY FOR SUBAREA 11 EMERALD BANK

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	32.48 .24 7	32.40 .38 19	32.05 .31 6	32.33 .49 14	32.09 .26 12	31.81 .38 9	31.35 .36 24	31.21 .43 53	31.60 .20 5	31.58 .57 8	31.82 .30 16	32.29 .24 9
10	32.46 .21 7	32.45 .38 21	32.20 .34 11	32.29 .46 15	32.16 .27 14	31.79 .35 10	31.42 .39 26	31.54 .57 54	31.64 .22 8	31.57 .56 8	31.80 .30 20	32.35 .36 11
20	32.47 .22 7	32.49 .40 21	32.20 .33 11	32.34 .47 15	32.28 .30 14	31.93 .30 10	31.88 .54 26	32.53 .55 54	31.86 .40 8	31.69 .52 8	31.87 .31 20	32.42 .41 11
30	32.52 .22 7	32.52 .41 21	32.25 .33 11	32.43 .47 15	32.44 .34 14	32.18 .43 10	32.20 .39 26	32.92 .54 54	32.48 .36 8	32.03 .60 8	32.00 .35 20	32.44 .43 11
50	32.68 .28 7	32.70 .48 21	32.38 .33 11	32.69 .42 14	32.67 .43 13	32.65 .38 10	32.75 .40 26	33.30 .50 54	33.04 .19 8	33.01 .39 8	32.78 .46 20	32.88 .59 11
75	34.21 .31 5	33.88 .54 14	33.20 .40 11	33.29 .54 11	33.27 .56 11	33.38 .32 7	33.42 .47 19	33.93 .33 37	33.50 .28 5	33.25 .62 2	33.56 .38 13	33.72 .71 8
100	34.69 0.00 1	34.37 .24 4	33.43 0.00 1	34.07 .00 2	34.33 0.00 1	0.00 0.00 0	34.14 .50 6	34.66 .11 5	33.89 .06 2	0.00 0.00 0	33.83 0.00 1	33.95 1.00 2
150	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	34.68 .00 2	0.00 0.00 0	0.00 0.00 0	35.00 .15 2	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0
200	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	34.93 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0
250	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	34.81 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0
300	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	34.79 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0
	0	0	0	0	0	0	1	0	0	0	0	0

SALINITY FOR SUBAREA 12 EMERALD BASIN

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.58 .52 24	32.09 .36 29	31.85 .23 14	31.66 .31 24	31.57 .29 29	31.70 .93 16	31.07 .39 54	30.89 .35 91	31.26 .25 12	31.32 .61 8	31.50 .39 24	31.68 .29 7
10	31.58 .51 24	32.11 .35 30	31.88 .28 19	31.68 .27 24	31.64 .32 32	31.52 .49 21	31.19 .35 58	31.10 .41 93	31.31 .24 17	31.31 .62 8	31.55 .42 29	31.69 .29 9
20	31.65 .49 24	32.14 .36 30	31.94 .25 19	31.72 .27 24	31.83 .26 32	31.73 .25 22	31.69 .40 58	31.99 .46 93	31.62 .38 17	31.36 .58 8	31.61 .40 29	31.74 .32 9
30	31.74 .49 24	32.27 .40 30	31.98 .26 19	31.93 .35 24	32.01 .29 32	32.03 .25 22	32.06 .35 58	32.36 .35 85	32.17 .31 17	31.69 .46 8	31.76 .44 29	31.85 .39 9
50	32.17 .50 24	32.53 .51 30	32.17 .31 19	32.30 .43 24	32.31 .32 32	32.42 .33 22	32.60 .45 58	32.68 .30 85	32.74 .34 17	32.61 .38 8	32.47 .52 29	32.37 .52 9
75	33.09 .69 24	33.46 .60 30	32.93 .50 19	32.82 .59 24	32.98 .47 31	33.09 .36 22	33.26 .40 56	33.15 .39 84	33.34 .30 17	33.40 .33 8	33.40 .30 29	33.33 .53 9
100	33.72 .74 19	34.18 .48 28	33.64 .65 19	33.30 .73 21	33.66 .46 27	33.73 .40 21	33.86 .39 48	33.68 .44 75	33.96 .30 15	33.87 .28 8	33.98 .35 26	33.96 .38 9
150	34.21 .72 15	34.65 .30 20	34.31 .54 14	34.32 .56 13	34.38 .25 21	34.46 .31 17	34.51 .28 31	34.40 .17 51	34.58 .24 12	34.42 .27 8	34.52 .28 23	34.43 .27 7
200	34.65 .26 10	34.85 .24 16	34.41 .62 6	34.68 .39 10	34.73 .20 11	34.72 .21 11	34.70 .20 21	34.53 .16 25	34.80 .20 8	34.58 .28 6	34.83 .21 16	34.63 .32 3
250	34.74 .22 4	34.93 .30 5	34.43 .71 5	34.75 .24 4	34.72 .31 4	34.86 .15 6	34.81 .18 10	34.91 .11 3	34.97 .03 3	34.77 .12 3	34.80 .25 3	35.21 0.00 1

SALINITY FOR SUBAREA 13 EASTERN SHORE

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	30.68 .60	31.21 .53	31.13 .44	31.18 .07	30.88 .29	31.10 .32	30.78 .31	30.71 .37	30.62 .20	30.22 .64	30.37 .55	0.00
	5	5	2	2	11	7	12	26	2	5	11	0
10	30.84 .87	31.21 .54	31.32 .34	31.24 .13	31.01 .30	31.16 .30	30.98 .33	31.01 .51	30.84 .39	30.27 .62	30.34 .54	31.07
	5	5	4	2	12	9	12	27	3	5	11	1
20	30.81 .70	31.24 .51	31.42 .36	31.51 .48	31.27 .33	31.58 .27	31.45 .26	31.69 .55	30.84 .31	30.73 .60	30.42 .52	31.07
	5	5	4	2	12	9	12	27	3	5	11	1
30	30.74 .54	31.34 .47	31.46 .39	31.61 .59	31.55 .35	31.82 .20	31.78 .26	31.98 .46	31.44 .39	31.13 .60	30.63 .48	31.07
	5	5	4	2	12	9	12	20	3	5	11	1
50	30.95 .36	31.52 .48	31.55 .43	31.73 .71	31.78 .35	32.09 .19	32.18 .33	32.36 .45	32.00 .40	31.92 .25	31.27 .53	31.41
	5	5	4	2	13	9	12	18	3	5	11	1
75	31.23 .49	32.41 .41	32.11 .07	32.06 .25	32.08 .49	32.35 .20	32.57 .41	32.76 .36	32.64 .06	0.00 0.00	31.94 .55	32.40
	4	2	3	2	7	6	12	15	2	0	7	1
100	31.90 .64	32.92 .26	32.56 .36	32.52 .16	32.84 .46	32.99 .52	33.34 .59	33.09 .42	32.88 0.00	0.00 0.00	32.72 .23	0.00
	2	2	3	2	4	3	9	9	1	0	4	0
150	34.26 0.00	34.39 .49	0.00 0.00	34.05 0.00	34.48 0.00	34.67 0.00	34.38 .20	32.87 0.00	0.00 0.00	0.00 0.00	34.28 0.00	0.00
	1	2	0	1	1	1	3	1	0	0	1	0

SALINITY FOR SUBAREA 14 SOUTH SHORE

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.01 .45 19	31.33 .32 32	31.18 .38 10	31.51 .34 18	31.18 .39 45	30.91 .33 26	30.89 .31 22	30.95 .29 55	30.89 .44 29	30.88 .49 20	30.74 .41 34	30.96 .27 16
10	30.99 .46 19	31.33 .33 33	31.45 .36 23	31.50 .32 25	31.21 .38 48	30.99 .31 34	31.04 .31 29	31.17 .40 64	30.97 .44 38	30.86 .51 21	30.81 .43 40	30.92 .30 24
20	31.04 .44 19	31.34 .34 33	31.49 .35 23	31.57 .34 25	31.41 .32 48	31.32 .43 35	31.44 .29 29	31.72 .42 64	31.45 .51 38	31.08 .62 21	30.83 .44 40	31.12 .81 24
30	31.08 .46 19	31.38 .34 33	31.56 .35 23	31.65 .31 25	31.62 .29 48	31.57 .39 35	31.72 .31 29	32.03 .37 64	31.79 .52 38	31.41 .73 21	31.04 .54 40	31.05 .31 24
50	31.28 .44 19	31.53 .40 31	31.67 .36 14	31.84 .29 25	31.91 .25 47	31.90 .24 35	32.08 .27 29	32.37 .28 62	32.23 .40 36	32.00 .50 18	31.58 .69 35	31.54 .44 24
75	31.52 .41 15	31.80 .41 28	31.96 .26 13	32.09 .29 24	32.19 .39 40	32.23 .29 30	32.53 .35 28	32.79 .30 50	32.64 .36 30	32.59 .39 14	32.30 .62 32	32.29 .44 23
100	31.84 .65 8	32.54 .63 19	32.46 .43 9	32.41 .32 17	32.56 .47 27	32.57 .55 20	33.07 .51 22	33.23 .36 38	33.09 .41 24	33.09 .37 9	33.04 .51 21	32.80 .41 13
150	33.03 0.00	33.43 .87	33.62 .99	33.68 0.00	33.51 .43	33.93 0.00	34.21 .85	34.29 .12	34.29 .28	0.00 0.00	34.45 .25	33.75 .80 2
	1	6	3	1	9	1	3	5	8	0	7	2

SALINITY FOR SUBAREA 15 LAHAVE BASIN

MEAN, S.D., NO. OF OBSERVATIONS

SALINITY FOR SUBAREA 16 SADDLE

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.95 .25 2	0.00 .11 0	31.60 .48 4	31.69 0.00 2	31.40 .12 1	31.49 .56 2	31.05 .45 11	31.13 0.00 43	32.34 0.00 1	0.00 0.00 0	31.44 0.00 1	0.00 0.00 0
10	32.13 .06 3	0.00 .00 0	31.97 .41 9	31.93 .58 3	31.46 .11 2	31.43 .21 4	31.35 .31 13	31.43 .62 43	31.77 .55 3	0.00 0.00 0	31.58 0.00 1	31.56 0.00 1
20	32.15 .13 3	0.00 .00 0	32.15 .65 9	31.98 .68 3	31.68 .15 2	31.67 .33 4	31.81 .37 13	32.29 .67 43	31.94 .53 3	0.00 0.00 0	32.09 0.00 1	31.56 0.00 1
30	32.24 .14 3	0.00 .00 0	32.31 .70 9	32.09 .78 3	31.78 .13 2	31.96 .32 4	32.14 .40 13	32.78 .60 43	32.30 .10 3	0.00 0.00 0	32.69 0.00 1	31.56 0.00 1
50	32.40 .22 3	0.00 .00 0	32.68 .77 9	32.40 .57 3	32.03 .38 2	32.47 .52 4	32.84 .47 13	33.24 .68 43	33.19 .43 3	0.00 0.00 0	33.98 0.00 1	32.73 0.00 1
75	33.21 .92 3	0.00 .00 0	33.29 .66 9	32.90 .26 3	32.39 .35 2	33.13 .47 4	33.65 .56 13	33.74 .71 43	33.70 .58 3	0.00 0.00 0	34.23 0.00 1	33.15 0.00 1
100	33.98 .98 3	0.00 .00 0	34.06 .75 8	33.52 .35 3	33.05 .24 2	33.96 .35 3	34.24 .45 11	34.04 .77 33	34.11 0.00 1	0.00 0.00 0	34.61 0.00 1	33.47 0.00 1
150	34.63 0.00 1	0.00 .00 0	34.32 .04 2	0.00 0.00 0	34.07 0.00 1	34.58 0.00 1	35.03 .05 2	34.30 .57 3	34.57 0.00 1	0.00 0.00 0	35.17 0.00 1	34.17 0.00 1
200	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	34.84 0.00 1	33.82 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0
250	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	31.90 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0
	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	1 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0

SALINITY FOR SUBAREA 17 LAHAVE BANK

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.06 .17	31.59 .33	31.67 .55	31.20 .30	31.55 .25	31.23 .31	31.29 .18	31.28 .65	30.88 .58	31.28 .38	31.37 .53	31.41 0.00
	7	11	8	4	12	6	8	13	8	11	15	1
10	31.09 .16	31.61 .29	31.63 .51	31.20 .28	31.59 .23	31.22 .26	31.30 .17	31.37 .64	30.92 .57	31.31 .35	31.35 .57	31.39 0.00
	7	11	9	4	12	6	9	13	8	11	15	1
20	31.11 .16	31.63 .31	31.73 .51	31.26 .17	31.76 .31	31.31 .30	31.44 .14	31.77 .50	31.31 .42	31.41 .33	31.43 .56	31.55 0.00
	7	11	9	4	12	6	9	13	8	11	15	1
30	31.21 .17	31.65 .30	31.88 .58	31.37 .15	31.93 .33	31.45 .30	31.62 .12	32.11 .48	31.82 .31	31.67 .37	31.71 .70	32.09 0.00
	7	11	9	4	12	6	9	13	8	11	15	1
50	31.79 .60	31.74 .31	32.19 .69	31.76 .30	32.23 .36	31.81 .21	32.02 .12	32.63 .52	32.27 .31	32.27 .23	32.21 .62	33.03 0.00
	7	11	9	4	12	6	9	13	8	11	15	1
75	32.42 .50	32.51 .49	32.49 .74	32.21 .10	32.73 .54	32.30 .18	32.54 .29	32.96 .35	32.79 .29	32.94 .29	32.83 .35	33.45 0.00
	7	11	7	3	10	5	7	11	8	9	13	1
100	32.87 .34	33.28 .40	33.49 .68	32.50 0.00	33.72 .89	32.73 .41	33.17 .58	33.64 .53	33.37 .23	33.34 .46	33.52 .58	0.00
	3	5	3	1	4	3	3	4	4	5	9	0
150	33.76 .06	33.95 .37	0.00 0.00	34.34 0.00	34.22 0.00	0.00 0.00	0.00 0.00	34.42 0.00	34.34 0.00	34.45 0.00	33.65 .12	0.00 .88
	2	3	0	1	1	0	0	1	1	2	2	0

SALINITY FOR SUBAREA 18 BACCARO BANK

MEAN, S.D., NO. OF OBSERVATIONS

SALINITY FOR SUBAREA 19 ROSEWAY BANK

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	30.95 .22	31.63 .39	31.24 .17	31.48 .26	31.50 .36	31.47 .23	31.29 .35	31.29 .50	31.02 .49	30.90 .46	30.93 .57	31.30 .18
10	30.98 .26	31.56 .36	31.24 .19	31.47 .25	31.51 .35	31.40 .23	31.29 .32	31.39 .49	31.03 .46	30.96 .50	30.93 .57	31.37 .07
20	31.00 .29	31.58 .36	31.28 .19	31.49 .24	31.62 .31	31.49 .22	31.36 .26	31.64 .40	31.59 .37	31.15 .51	30.97 .55	31.46 .04
30	31.05 .30	31.59 .36	31.32 .20	31.60 .17	31.75 .26	31.64 .25	31.54 .22	31.89 .35	31.93 .34	31.81 .42	31.12 .54	31.87 .41
50	31.27 .43	31.70 .31	31.40 .16	31.92 .11	32.03 .20	31.96 .26	32.04 .26	32.32 .19	32.42 .23	32.54 .12	31.76 .46	32.18 .54
75	32.63 0.00	31.85 .32	31.60 .16	32.22 .12	32.32 .35	32.27 .21	32.48 .30	32.63 .30	32.77 .39	32.97 0.00	32.64 .09	32.70 0.00
100	33.12 0.00	32.24 .71	32.03 .06	32.55 .34	32.85 .45	32.82 .38	32.79 .47	33.10 .44	33.14 .40	33.45 0.00	33.02 .21	33.19 0.00
150	33.19 0.00	33.31 .09	33.82 .05	33.71 0.00	33.95 .48	33.77 .37	34.36 0.00	34.07 .70	34.04 .18	0.00 0.00	33.69 0.00	0.00 0.00
	1	2	2	2	4	2	1	4	2	0	1	0

SALINITY FOR SUBAREA 20 SHELBOURNE

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.09 .27 5	31.18 .24 5	31.42 .74 4	31.66 .44 5	31.48 .37 7	31.34 .42 4	31.68 .38 10	31.85 .29 4	30.97 .40 5	31.15 .25 5	31.54 .14 2	31.68 .34 2
10	31.08 .26 5	31.17 .27 5	31.53 .59 6	31.66 .42 5	31.57 .34 9	31.59 .42 4	31.70 .34 11	31.94 .32 5	31.39 .53 8	31.27 .47 5	31.55 .18 2	31.41 .31 4
20	31.10 .27 5	31.18 .26 5	31.70 .39 6	31.70 .44 5	31.63 .31 9	31.75 .41 4	31.93 .50 11	31.99 .28 5	31.59 .54 8	31.68 .41 5	31.63 .24 2	31.46 .28 4
30	31.11 .30 4	31.18 .27 5	31.72 .38 6	31.81 .47 5	31.75 .28 9	31.85 .37 4	31.92 .23 10	32.08 .26 5	31.86 .54 8	31.88 .34 5	31.78 .33 2	31.66 .40 4
50	31.27 .47 2	31.51 0.00 1	31.89 .46 4	31.88 0.00 1	32.01 .16 2	31.92 .45 2	32.11 .25 6	32.14 .31 2	32.34 .15 4	31.80 0.00 1	31.78 0.00 1	31.97 .68 3
75	32.56 0.00 1	0.00 0.00 0	32.00 0.00 1	0.00 0.00 0	0.00 0.00 0	31.92 0.00 1	32.35 .37 2	32.70 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00
100	0.00 0.00 0	0.00 0.00 0	32.32 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	32.85 .15 2	33.08 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00

SALINITY FOR SUBAREA 21 ROSEWAY BASIN

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.44 .18 4	31.16 .47 5	31.53 .39 4	31.61 .32 6	31.57 .15 6	31.74 .57 2	31.67 .29 16	31.77 .37 6	31.39 .24 3	31.17 .28 4	31.15 .65 5	31.23 0.00 1
10	31.46 .17 5	31.15 .50 5	31.57 .31 6	31.62 .32 6	31.64 .19 8	31.80 .30 4	31.71 .26 18	31.90 .37 6	31.75 .37 7	31.21 .24 4	31.21 .54 5	31.44 .38 3
20	31.51 .18 5	31.20 .47 5	31.59 .29 6	31.63 .32 8	31.69 .20 4	31.92 .27 18	31.89 .27 6	32.11 .35 6	31.92 .26 7	31.36 .21 4	31.34 .50 5	31.44 .40 3
30	31.59 .21 5	31.23 .46 5	31.62 .25 6	31.74 .27 6	31.74 .17 8	32.05 .28 4	32.03 .35 18	32.29 .35 6	32.01 .30 7	31.77 .27 4	31.55 .41 5	31.59 .48 5
50	31.78 .28 5	31.48 .48 5	31.71 .29 6	32.07 .18 6	31.94 .19 8	32.21 .26 4	32.26 .27 18	32.58 .36 6	32.31 .31 7	32.39 .33 4	32.04 .36 5	31.76 .79 3
75	32.36 .32 5	32.05 .49 5	31.99 .34 6	32.53 .19 5	32.16 .28 8	32.46 .24 4	32.59 .26 18	32.66 .22 6	32.70 .30 6	32.65 .26 6	32.53 .23 4	32.60 .57 3
100	32.81 .58 5	32.60 .29 5	32.23 .38 6	32.90 .47 5	32.43 .26 8	32.68 .12 4	32.84 .34 15	32.82 .21 6	32.91 .17 6	32.79 .20 4	32.90 .36 5	33.03 .66 3
150	33.65 .17 2	0.00 0.00 0	33.32 .52 2	33.94 .90 2	33.24 .25 2	33.09 0.00 1	33.11 .32 5	33.28 .10 2	33.60 .28 2	33.45 0.00 2	33.50 .45 1	0.00 0.00 0

SALINITY FOR SUBAREA 22 BROWNS BANK

MEAN, S.D., NO. OF OBSERVATIONS

SALINITY FOR SUBAREA 23 ROSEWAY CHANNEL

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.94	0.00	31.75	32.15	32.15	31.71	32.32	0.00	31.84	31.76	31.46	0.00
	0.00	0.00	.50	.30	0.00	0.00	.12	0.00	1.10	.29	0.00	0.00
	1	0	2	2	1	1	5	0	2	3	1	0
10	31.94	0.00	31.75	32.36	32.42	31.79	32.29	32.40	31.89	31.79	31.59	0.00
	0.00	0.00	.50	.58	0.00	.11	.23	0.00	.64	.31	.15	0.00
	1	0	2	2	1	2	5	1	4	3	2	0
20	31.94	0.00	31.74	32.52	32.68	31.85	32.47	32.54	32.03	31.82	32.03	0.00
	0.00	0.00	.53	.68	0.00	.20	.08	0.00	.76	.34	.55	0.00
	1	0	2	2	1	2	5	1	4	3	2	0
30	31.98	0.00	31.78	32.65	32.83	31.94	32.50	32.55	32.21	31.93	32.39	0.00
	0.00	0.00	.51	.70	0.00	.28	.05	0.00	.67	.43	.36	0.00
	1	0	2	2	1	2	5	1	4	3	2	0
50	32.29	0.00	31.86	32.77	32.90	32.07	32.62	32.60	32.71	32.34	32.59	0.00
	0.00	0.00	.52	.55	0.00	.41	.13	0.00	.39	.53	.35	0.00
	1	0	2	2	1	2	5	1	4	3	2	0
75	32.37	0.00	31.91	32.89	32.92	0.00	32.64	32.66	32.69	32.81	32.80	0.00
	0.00	0.00	.57	.40	0.00	0.00	.22	0.00	.36	.20	.32	0.00
	1	0	2	2	1	0	5	1	3	3	2	0
100	32.39	0.00	0.00	33.19	32.92	0.00	32.74	0.00	0.00	33.26	33.23	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	.20	0.00	0.00	.26	0.00	0.00
	1	0	0	1	1	0	3	0	0	2	1	0

SALINITY FOR SUBAREA 24 LURCHER SHOALS

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.71 .34	31.51 .52	31.61 .38	31.86 .42	32.03 .33	31.67 .41	32.16 .27	32.07 .88	31.77 .59	31.98 .44	31.92 .63	31.55 0.00
	12	12	11	13	11	5	15	10	10	15	10	1
10	31.73 .36	31.52 .51	31.72 .35	31.89 .39	32.01 .26	31.68 .34	32.22 .27	32.32 .44	32.07 .59	32.00 .43	31.89 .62	31.85 .30
	12	12	15	13	15	6	17	12	18	15	11	5
20	31.75 .37	31.58 .51	31.73 .36	31.91 .39	32.04 .25	31.74 .33	32.25 .26	32.42 .42	32.15 .56	32.09 .41	32.00 .56	31.92 .31
	12	11	15	13	15	6	17	12	18	15	11	5
30	31.76 .38	31.60 .50	31.76 .37	31.94 .41	32.08 .26	31.76 .31	32.33 .23	32.49 .36	32.22 .57	32.21 .35	32.08 .55	31.99 .31
	12	11	15	13	15	6	16	12	18	15	11	5
50	31.94 .34	31.62 .45	32.02 .24	32.11 .37	32.22 .24	32.19 .11	32.46 .24	32.74 .17	32.47 .46	32.53 .30	32.46 .36	32.12 .30
	8	8	11	10	11	2	14	8	14	10	6	5
75	32.03 .37	31.88 .39	32.17 .24	32.31 .58	32.20 .28	32.63 0.00	32.74 .28	32.98 .22	32.81 .20	32.89 .34	32.80 .10	32.16 .30
	7	4	6	4	6	1	6	3	8	7	4	5
100	31.51 0.00	0.00 0.00	32.22 .16	0.00 0.00	32.38 .16	0.00 0.00	32.83 0.00	33.19 0.00	33.13 .06	33.15 .16	0.00 0.00	0.00 0.00
	1	0	2	0	2	0	1	1	2	3	0	0

SALINITY FOR SUBAREA 25 E. GULF OF MAINE

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	32.31 .38 7	31.78 .45 6	32.02 .41 6	32.29 .31 15	32.10 .53 10	32.10 .21 4	32.27 .34 18	32.43 .29 10	32.52 .33 5	32.50 .15 7	32.53 .36 11	32.15 0.00 1
10	32.35 .40 7	31.72 .52 6	32.02 .42 6	32.32 .30 15	32.27 .42 11	32.13 .20 5	32.31 .32 20	32.55 .28 10	32.55 .36 5	32.44 .12 7	32.48 .40 15	32.30 0.00 1
20	32.38 .40 7	31.76 .50 6	32.07 .39 6	32.34 .30 15	32.34 .41 11	32.18 .25 5	32.39 .33 20	32.69 .27 10	32.66 .36 5	32.48 .13 7	32.55 .30 15	32.31 0.00 1
30	32.48 .48 7	31.74 .52 6	32.13 .40 6	32.39 .32 15	32.42 .43 11	32.27 .23 5	32.53 .32 20	32.83 .24 10	32.73 .37 5	32.55 .14 7	32.65 .30 15	32.37 0.00 1
50	32.58 .51 7	31.92 .54 6	32.30 .40 6	32.53 .36 15	32.56 .48 11	32.51 .26 5	32.87 .33 20	32.99 .31 10	32.92 .46 5	32.89 .17 7	32.92 .30 15	32.47 0.00 1
75	32.74 .54 7	32.37 .68 6	32.53 .47 6	32.78 .45 14	32.80 .58 11	32.88 .45 5	33.18 .38 20	33.38 .22 10	33.19 .42 5	33.42 .22 6	33.17 .33 15	32.73 0.00 1
100	33.11 .56 6	32.66 .68 6	33.09 .34 4	33.12 .36 12	33.30 .64 6	33.33 .33 4	33.50 .43 17	33.62 .26 9	33.69 .07 2	33.41 .18 5	33.52 .29 13	0.00 0.00 0
150	33.75 .47 4	32.98 .38 5	0.00 0.00 0	33.43 .50 7	33.92 1.14 2	33.59 .15 2	34.04 .52 11	33.95 .17 6	0.00 0.00 0	33.75 .12 4	33.88 .34 10	0.00 0.00 0
200	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	34.60 .52 2	34.18 0.00 1	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0	0.00 0.00 0

SALINITY FOR SUBAREA 26 GEORGES BASIN

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	32.65 .38 6	32.98 .62 5	32.61 .30 5	32.42 .27 7	32.35 .35 8	31.94 .07 4	32.05 .26 12	32.08 .40 8	32.27 .18 7	32.22 .23 11	32.50 .37 4	33.05 .71 7
10	32.65 .35 6	33.03 .70 8	32.50 .27 9	32.35 .21 13	32.43 .29 21	32.28 .39 8	32.04 .30 19	32.20 .34 21	32.28 .18 19	32.23 .22 12	32.64 .33 9	32.91 .67 14
20	32.67 .33 6	33.07 .67 8	32.50 .27 9	32.38 .20 13	32.47 .29 21	32.36 .40 8	32.21 .33 19	32.30 .36 21	32.36 .21 19	32.26 .20 12	32.72 .32 9	32.95 .69 14
30	32.76 .31 6	33.07 .66 9	32.53 .27 9	32.43 .18 13	32.52 .30 21	32.48 .43 8	32.38 .33 19	32.48 .34 21	32.45 .22 19	32.31 .23 12	32.76 .32 9	33.00 .69 14
50	32.86 .37 6	33.21 .65 9	32.59 .26 9	32.58 .14 13	32.75 .29 21	32.82 .49 8	32.71 .35 19	32.77 .32 21	32.65 .23 19	32.57 .30 12	32.86 .34 9	33.14 .64 14
75	33.23 .43 6	33.47 .52 9	32.85 .45 9	32.90 .25 13	33.13 .32 21	33.24 .53 8	33.20 .47 19	33.19 .42 21	32.89 .39 19	33.00 .49 12	33.09 .35 9	33.50 .61 14
100	33.50 .45 6	33.76 .44 9	33.19 .51 9	33.34 .35 13	33.54 .37 21	33.52 .45 8	33.48 .51 19	33.61 .46 21	33.22 .48 19	33.41 .57 12	33.39 .41 9	33.75 .57 14
150	34.27 .33 6	34.17 .43 9	34.11 .37 9	34.13 .40 12	34.16 .43 21	34.26 .36 8	34.31 .46 16	34.48 .48 19	34.03 .49 17	34.20 .45 10	34.21 .48 9	34.35 .45 14
200	34.59 .21 6	34.63 .31 7	34.61 .27 9	34.55 .26 10	34.59 .32 18	34.68 .21 8	34.74 .24 15	34.92 .17 13	34.62 .36 16	34.42 .76 10	34.76 .31 8	34.79 .28 12
250	34.74 .14 4	34.84 .19 4	34.73 .18 7	34.71 .17 10	34.74 .23 15	34.83 .11 6	34.91 .16 10	34.94 .11 9	34.81 .22 11	34.70 .47 7	34.90 .12 6	34.91 .22 9
300	34.93 0.00 0.00	0.00 34.86 .12	34.86 34.72 .16	34.72 34.82 .28	34.82 34.89 0.00	34.89 35.01 .11	35.01 34.93 .11	34.93 34.94 .10	34.94 0.00 .10	0.00 0.00 0.00	0.00 0.00 0.00	34.94 0.00 0.00
	1	0	2	7	4	1	4	6	3	0	0	1

SALINITY FOR SUBAREA 27 GEORGES SHOAL

MEAN, S.D., NO. OF OBSERVATIONS

SALINITY FOR SUBAREA 28 E. GEORGES BANK

MEAN, S.D., NO. OF OBSERVATIONS

SALINITY FOR SUBAREA 29 N.E. CHANNEL

MEAN, S.D., NO. OF OBSERVATIONS

SALINITY FOR SUBAREA 30 SOUTHERN SLOPE

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	32.43	33.18	32.42	32.63	32.66	32.43	32.47	32.32	33.50	33.02	32.98	33.12
	1.35	.84	.67	.76	.77	1.21	1.00	.97	1.52	1.27	.97	1.53
	6	10	11	18	10	13	20	18	14	24	11	5
10	32.90	33.16	32.52	32.65	32.56	32.61	33.19	33.48	33.17	33.29	33.03	32.94
	1.29	.77	.67	.81	.87	1.11	1.28	1.49	1.25	1.44	.95	1.03
	9	17	25	27	27	22	38	37	38	31	23	22
20	33.05	33.21	32.56	32.85	32.75	32.84	33.55	33.64	33.18	33.35	33.12	33.03
	1.20	.76	.67	.83	.96	1.17	1.24	1.41	1.16	1.42	.95	1.02
	9	17	25	27	27	22	38	37	38	31	24	22
30	33.28	33.28	32.61	33.09	32.92	33.00	33.78	33.91	33.37	33.44	33.20	33.15
	1.05	.78	.65	.85	.96	1.13	1.15	1.38	1.11	1.38	.91	1.01
	9	17	25	27	27	22	38	37	38	31	24	22
50	33.75	33.58	32.83	33.61	33.22	33.47	34.00	34.33	33.77	33.76	33.54	33.48
	.98	.81	.52	.95	.82	.93	1.08	1.30	1.00	1.24	.81	1.00
	9	17	25	27	27	22	38	37	39	31	24	22
75	34.23	34.02	33.29	34.14	33.61	33.92	34.47	34.64	34.33	34.31	33.84	33.79
	.82	.91	.60	.97	.71	.98	.94	1.15	1.01	1.06	.66	.91
	9	17	25	27	27	22	37	37	40	31	24	22
100	34.68	34.43	33.74	34.58	34.15	34.29	34.76	35.02	34.70	34.72	34.45	34.22
	.57	.95	.79	.84	.59	.76	.85	1.00	.90	.91	.71	.82
	8	14	25	26	24	19	36	35	40	29	21	18
150	35.02	35.07	34.34	35.05	34.81	34.90	34.97	35.20	35.08	35.16	34.91	34.68
	.41	.60	.72	.67	.33	.44	.58	.56	.61	.51	.67	.59
	7	8	21	26	20	17	35	35	33	29	17	13
200	35.18	35.09	34.50	35.36	34.95	34.96	35.15	35.21	35.13	35.23	35.14	34.86
	.33	.42	.74	.54	.21	.27	.31	.36	.42	.32	.41	.41
	6	7	17	23	17	12	29	33	33	26	17	12
250	35.05	34.99	34.62	35.26	35.00	34.95	35.16	35.18	35.11	35.12	35.09	34.98
	.19	.25	.59	.46	.16	.19	.22	.20	.35	.23	.29	.30
	5	4	16	21	14	11	23	29	31	25	16	11
300	35.03	34.96	34.59	35.20	35.02	34.93	35.09	35.09	35.15	35.05	35.05	35.12
	.14	.19	.73	.35	.06	.14	.17	.15	.34	.15	.20	.29
	5	4	10	21	8	11	23	29	22	25	16	5
400	35.00	34.92	34.58	35.07	34.97	34.92	35.01	35.01	35.09	34.99	35.01	35.09
	.11	.14	.71	.27	.06	.05	.15	.11	.31	.09	.11	.16
	4	4	10	19	7	11	20	27	21	24	16	5
500	34.97	34.90	34.67	35.01	34.97	34.93	34.98	34.99	35.05	34.96	34.98	35.05
	.09	.16	.60	.18	.03	.03	.07	.05	.27	.06	.06	.11
	4	2	10	17	5	11	17	20	21	21	16	3
600	34.98	34.90	34.78	34.96	34.97	34.94	34.94	34.97	35.02	34.96	34.97	35.03
	.10	.16	.61	.07	.02	.04	.03	.04	.19	.04	.04	.10
	4	2	10	17	4	10	6	13	19	20	14	2
800	34.99	34.89	34.79	34.99	34.96	34.95	34.96	34.96	34.96	34.96	34.97	35.03
	.05	.14	.71	.10	.01	.03	.02	.04	.05	.03	.01	.09
	4	2	8	17	4	9	5	12	16	16	11	2
1000	34.97	34.88	34.72	34.96	34.96	34.96	34.96	34.96	34.95	34.98	34.96	34.97
	.04	.13	.80	.01	.02	.03	.02	.04	.04	.03	.02	.08
	2	2	6	15	4	7	3	9	14	14	7	2

SALINITY FOR SUBAREA 32 CENTRAL OFFSHORE

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	33.12	33.97	33.85	34.33	35.72	32.88	34.23	32.69	35.02	33.88	34.36	0.00
	0.00	1.28	1.40	1.01	.48	1.59	.51	1.65	.04	.80	1.25	0.00
	1	3	5	6	3	4	6	4	2	3	7	0
10	33.12	33.95	33.60	34.49	35.68	33.05	34.58	32.63	34.94	33.88	34.37	0.00
	0.00	1.29	1.24	.82	.50	1.51	.30	1.34	.12	.80	1.34	0.00
	1	3	7	7	3	4	6	8	3	3	7	0
20	33.15	33.93	33.73	34.68	35.67	33.25	35.00	33.26	34.95	34.05	34.41	0.00
	0.00	1.28	1.19	.74	.49	1.44	.15	1.79	.11	1.00	1.35	0.00
	1	3	7	7	3	4	6	8	3	3	7	0
30	34.90	33.93	33.92	34.86	35.67	33.45	35.30	33.85	34.96	34.53	34.47	0.00
	0.00	1.29	1.21	.68	.46	1.36	.54	1.57	.10	.67	1.34	0.00
	1	3	7	7	3	4	6	8	3	3	7	0
50	35.22	33.97	34.32	35.11	35.70	33.83	35.22	34.36	35.00	34.99	34.58	0.00
	0.00	1.27	1.19	.45	.35	1.21	1.08	1.31	.42	.44	1.39	0.00
	1	3	7	7	3	4	6	8	3	3	7	0
75	35.15	34.39	34.62	35.36	35.50	34.18	35.29	34.93	35.46	35.03	34.73	0.00
	0.00	1.17	.97	.20	.13	.98	1.04	.87	.51	.45	1.19	0.00
	1	3	7	7	3	4	6	8	3	3	7	0
100	35.41	34.74	35.14	35.41	35.32	34.79	35.47	35.28	35.65	35.32	34.93	0.00
	0.00	1.10	.41	.27	.11	.87	.33	.84	.33	.21	1.10	0.00
	1	3	7	7	3	4	6	8	3	3	7	0
150	35.67	34.98	35.24	35.38	35.53	35.02	35.46	35.44	35.56	35.53	35.28	0.00
	0.00	.78	.26	.08	.05	.58	.19	.41	.23	.08	.61	0.00
	1	3	7	7	3	4	6	8	3	3	7	0
200	35.51	35.12	35.15	35.30	35.17	34.93	35.42	35.33	35.43	35.42	35.33	0.00
	0.00	.47	.25	.12	.23	.50	.12	.29	.10	.14	.48	0.00
	1	3	7	7	3	4	6	8	3	3	7	0
250	35.36	35.15	35.18	35.15	35.34	34.96	35.32	35.23	35.33	35.29	35.33	0.00
	0.00	.36	.26	.13	.12	.35	.11	.21	.12	.15	.35	0.00
	1	3	7	7	3	4	6	8	3	2	7	0
300	35.31	35.12	35.09	35.07	35.34	34.96	35.20	35.13	35.22	35.18	35.32	0.00
	0.00	.36	.18	.13	.02	.25	.15	.16	.12	.08	.22	0.00
	1	3	7	7	3	4	6	8	3	2	7	0
400	35.28	35.26	34.97	35.00	35.10	34.98	35.07	35.01	35.04	35.04	35.16	0.00
	0.00	0.00	.10	.06	.01	.20	.10	.14	.09	0.00	.08	0.00
	1	1	7	7	3	4	6	7	3	1	3	0
500	0.00	0.00	34.96	34.91	35.01	34.97	35.00	35.00	35.00	34.96	35.11	0.00
	0.00	0.00	.04	.02	.02	.13	.04	.09	.08	0.00	.14	0.00
	0	0	7	7	3	4	5	6	3	1	3	0
600	0.00	0.00	34.96	34.93	34.96	34.96	34.98	35.00	35.00	0.00	35.06	0.00
	0.00	0.00	.03	.07	.02	.07	.03	.10	.05	0.00	0.00	0.00
	0	0	7	7	3	4	5	6	3	0	1	0
800	0.00	0.00	34.96	34.95	34.95	34.93	34.97	34.95	34.98	0.00	35.02	0.00
	0.00	0.00	.03	.06	.01	.04	.03	.03	.02	0.00	0.00	0.00
	0	0	6	7	3	4	6	5	2	0	1	0
1000	0.00	0.00	34.95	34.95	34.98	34.94	34.97	34.95	34.98	0.00	0.00	0.00
	0.00	0.00	.02	.04	.00	.04	.03	.03	.01	0.00	0.00	0.00
	0	0	6	7	2	2	5	5	2	0	0	0

SALINITY FOR SUBAREA 33 CENTRAL SLOPE

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	32.35 .24	32.92 1.11	32.46 .61	33.21 .46	32.73 .61	32.21 .39	31.97 .62	31.77 .57	31.69 .99	32.63 1.04	32.72 1.03	32.64 .74
5	18	17	9	15	9	23	44	8	16	23	6	
10	32.33 .25	32.87 1.01	32.53 .55	33.06 .68	32.77 .59	32.22 .38	32.22 .79	31.98 .64	32.06 .95	32.70 1.06	32.67 .97	32.63 .65
20	32.35 .25	32.92 1.02	32.58 .56	33.13 .72	32.97 .57	32.47 .34	32.65 .95	32.74 .74	32.44 .93	32.94 1.21	32.78 .92	32.71 .68
30	32.37 .25	32.97 1.03	32.68 .50	33.31 .68	33.28 .70	32.78 .32	32.87 .95	33.13 .71	32.75 .85	33.16 1.21	32.94 .95	32.77 .73
50	32.66 .34	33.10 1.02	32.98 .49	33.54 .76	33.62 .76	33.16 .38	33.36 .84	33.73 .80	33.31 .85	33.79 .92	33.35 .85	32.99 .71
75	33.47 .76	33.79 1.01	33.48 .69	34.02 .80	34.20 .81	33.87 .46	33.91 .80	34.26 .78	34.04 .91	34.34 .81	33.81 .83	33.58 .71
100	33.99 .42	34.37 .82	34.05 .69	34.47 .69	34.38 .93	34.36 .52	34.41 .72	34.68 .64	34.48 .79	34.83 .69	34.27 .88	34.10 .95
150	34.52 .53	34.78 .64	34.67 .54	34.85 .27	34.93 .39	34.83 .25	34.85 .46	35.01 .38	34.99 .38	35.16 .36	34.83 .56	34.62 .69
200	34.87 .21	34.97 .37	34.86 .31	34.84 .22	34.99 .25	34.90 .20	34.95 .32	35.05 .27	35.06 .28	35.19 .29	35.06 .30	34.75 .53
250	35.03 .27	34.97 .33	34.88 .22	34.84 .17	34.97 .22	34.84 .13	34.92 .22	34.95 .45	35.00 .25	35.10 .22	34.98 .23	34.74 .40
300	35.02 .22	35.02 .31	34.88 .11	34.84 .12	34.92 .20	34.83 .14	34.93 .19	34.92 .55	35.02 .17	35.03 .17	34.92 .20	34.89 .36
400	34.99 .17	34.85 .18	34.87 .09	34.87 .08	34.92 .21	34.83 .11	34.88 .11	34.95 .10	34.95 .09	34.97 .12	34.89 .14	34.95 .25
500	34.89 0.00	34.92 .01	34.91 .06	34.94 .09	34.86 .10	34.87 .10	34.90 .05	34.97 .09	34.93 .08	34.89 .02	34.90 .10	34.89 .03
600	34.90 0.00	34.95 .01	34.94 .04	34.95 .10	34.87 .07	34.88 .08	34.93 .03	34.95 .05	34.94 .06	34.88 .05	34.89 .06	34.87 .00
800	34.92 0.00	34.98 .04	34.96 .02	34.92 .04	34.91 .05	34.92 .07	34.94 .02	34.98 .08	34.94 .02	34.92 .03	34.92 .04	34.92 .00
1000	0.00 0.00	0.00 .00	34.97 .02	34.94 .04	34.94 0.00	34.94 .01	34.95 .01	34.98 .07	34.95 0.00	0.00 0.00	34.88 0.00	0.00 0.00
	0	0	6	5	1	6	4	12	1	0	1	0

SALINITY FOR SUBAREA 34 NORTHERN SLOPE

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	32.78 .47 7	32.69 .69 17	32.69 .47 19	32.97 .86 18	32.72 .61 17	32.35 .52 20	31.87 .62 31	31.90 1.01 25	32.16 .96 12	32.63 1.25 14	32.84 1.05 26	32.46 .59 9
10	32.74 .50 7	32.72 .69 18	32.71 .44 20	33.02 .79 21	32.77 .65 21	32.40 .49 27	32.05 .63 31	32.09 1.03 28	32.22 1.01 16	32.59 1.16 16	32.85 1.04 26	32.53 .53 9
20	32.80 .49 7	32.78 .68 18	32.75 .42 20	33.07 .81 21	32.83 .64 21	32.59 .55 27	32.35 .73 31	32.58 1.03 29	32.48 1.15 16	32.66 1.13 16	32.96 1.05 26	32.61 .51 9
30	32.92 .49 7	32.89 .70 18	32.80 .44 20	33.17 .81 21	33.01 .75 23	32.92 .71 30	32.67 .75 31	32.99 1.12 29	32.83 .97 16	32.94 1.06 16	33.23 .99 26	32.70 .54 9
50	33.42 .33 7	33.09 .79 18	32.94 .32 20	33.40 .86 20	33.48 .85 23	33.35 .72 30	33.12 .75 31	33.49 1.05 29	33.45 .89 17	33.51 .90 16	33.66 .99 26	32.82 .57 9
75	33.82 .22 7	33.59 .91 18	33.33 .60 20	33.89 .76 20	33.96 .85 22	33.85 .73 30	33.70 .78 31	33.93 1.08 29	33.90 .95 17	34.06 .96 16	34.08 1.02 26	33.24 .65 9
100	34.06 .23 7	34.14 .84 18	33.98 .73 18	34.31 .69 20	34.30 .85 22	34.33 .74 30	34.18 .68 30	34.27 .96 29	34.21 .86 17	34.44 .85 16	34.49 .86 26	33.74 .73 9
150	34.80 .35 7	34.53 .62 19	34.51 .50 17	34.67 .51 20	34.72 .58 21	34.73 .51 28	34.81 .41 23	34.74 .75 28	34.61 .59 17	34.87 .44 16	34.85 .52 26	34.36 .48 9
200	34.87 .34 7	34.70 .43 19	34.64 .39 16	34.88 .30 19	34.80 .36 20	34.82 .37 28	35.01 .24 18	34.98 .50 25	34.68 .51 16	34.97 .38 15	34.94 .35 26	34.59 .36 9
250	34.88 .34 7	34.74 .33 18	34.71 .30 16	34.89 .18 19	34.78 .26 20	34.84 .30 28	34.95 .20 16	35.00 .43 22	34.68 .42 16	34.95 .29 15	34.99 .24 26	34.62 .37 9
300	34.96 .19 7	34.80 .26 17	34.75 .19 14	34.90 .12 19	34.75 .20 16	34.85 .22 26	34.90 .24 15	34.98 .41 21	34.68 .34 16	34.92 .22 15	34.93 .24 25	34.70 .34 9
400	35.04 .20 6	34.90 .14 13	34.79 .14 13	34.94 .09 19	34.80 .19 13	34.85 .10 26	34.90 .12 14	35.02 .27 21	34.80 .17 16	34.91 .14 14	34.95 .13 20	34.85 .13 8
500	34.90 0.00 1	34.98 .08 6	34.87 .08 11	34.96 .10 18	34.91 .08 10	34.89 .09 23	34.92 .11 7	34.97 .19 15	34.86 .09 14	34.91 .10 13	34.95 .10 13	34.89 .06 5
600	34.89 0.00 1	35.03 .09 3	34.91 .05 10	34.97 .11 15	34.91 .05 8	34.88 .10 21	34.93 .06 5	34.97 .08 11	34.89 .09 14	34.90 .04 10	34.98 .06 7	34.78 .24 4
800	34.92 0.00 1	35.01 .05 3	34.94 .02 9	34.95 .02 14	34.92 .04 6	34.90 .10 19	34.95 .05 5	34.96 .04 8	34.92 .06 12	34.92 .02 9	34.95 .02 5	34.77 .20 3
1000	34.92 0.00 1	35.02 .06 3	34.95 .01 7	34.95 .02 13	34.93 .03 6	34.89 .11 15	34.96 .03 3	34.96 .03 6	34.96 .05 10	34.92 .01 5	34.94 .01 2	34.97 0.00 0

SALINITY FOR SUBAREA 35 NORTHERN OFFSHORE

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	36.00	33.83	33.41	34.70	34.28	33.58	32.27	33.28	32.41	33.79	33.43	32.99
	0.00	1.41	1.11	.68	1.61	1.36	.80	1.63	.77	1.36	1.65	.33
	1	3	9	8	8	11	12	10	10	8	12	2
10	35.98	33.85	33.31	34.66	34.29	33.54	32.44	33.28	32.48	33.86	33.44	32.95
	0.00	1.41	1.04	.72	1.47	1.33	.77	1.48	.74	1.29	1.65	.28
	1	3	11	11	10	13	12	11	10	9	12	2
20	35.96	34.07	33.33	34.76	34.34	33.74	33.19	33.89	33.20	33.89	33.60	33.35
	0.00	1.09	1.05	.70	1.40	1.37	1.19	1.38	.90	1.29	1.57	.13
	1	3	11	11	10	13	12	11	10	9	12	2
30	35.97	34.71	33.41	34.87	34.44	33.89	33.55	34.13	33.28	34.05	33.84	33.63
	0.00	.09	1.03	.69	1.33	1.34	1.25	1.30	.62	1.15	1.56	.29
	1	3	11	11	10	13	12	11	10	9	12	2
50	35.97	35.09	33.52	35.09	34.62	34.09	33.98	34.30	33.55	34.55	34.09	33.94
	0.00	.35	1.05	.72	1.12	1.28	1.26	1.18	.72	.96	1.39	.66
	1	3	11	11	10	13	12	12	10	9	12	2
75	35.97	35.20	33.84	35.22	34.79	34.47	34.28	34.66	34.12	34.86	34.44	34.47
	0.00	.30	.98	.59	.97	1.14	1.14	1.08	.71	1.06	1.27	.65
	1	3	11	11	10	13	12	12	10	9	12	2
100	35.95	35.38	34.30	35.33	35.09	34.87	34.63	35.03	34.59	35.10	34.86	35.11
	0.00	.27	.83	.40	.66	.96	.93	.98	.56	.87	1.09	.41
	1	3	11	11	10	13	12	12	10	9	12	2
150	35.65	35.53	34.81	35.35	35.20	35.05	35.00	35.32	34.85	35.18	35.28	35.23
	0.00	.09	.59	.26	.47	.67	.58	.58	.31	.67	.57	.46
	1	3	11	11	9	13	12	11	10	9	12	2
200	35.64	35.42	34.83	35.27	35.18	35.08	35.00	35.29	34.85	35.13	35.27	35.09
	0.00	.06	.51	.30	.45	.54	.35	.38	.23	.53	.45	.55
	1	3	11	11	9	13	12	11	10	9	12	2
250	35.49	35.29	34.84	35.18	35.18	35.02	34.95	35.14	34.86	35.07	35.21	34.95
	0.00	.10	.38	.25	.37	.47	.30	.30	.15	.40	.36	.44
	1	3	11	11	8	12	12	11	10	8	11	2
300	35.35	35.18	34.84	35.10	35.12	34.90	34.93	35.07	34.83	35.02	35.16	34.91
	0.00	.13	.26	.21	.31	.27	.23	.26	.10	.29	.26	.23
	1	3	10	11	8	11	12	11	10	8	9	2
400	35.11	35.05	34.88	34.99	34.96	34.91	34.88	34.96	34.91	35.01	34.96	34.87
	0.00	.13	.14	.13	.20	.17	.15	.17	.03	.17	.07	.14
	1	2	10	11	6	10	12	10	10	8	6	2
500	34.93	35.02	34.94	34.97	34.98	34.90	34.92	34.91	34.93	34.95	34.94	34.88
	0.00	0.00	.05	.06	.08	.11	.12	.11	.05	.13	.01	.07
	1	1	9	11	4	10	9	6	10	6	4	2
600	35.54	35.02	34.95	34.98	35.01	34.92	34.93	34.93	34.95	34.95	34.92	34.86
	0.00	0.00	.04	.03	.11	.07	.09	.08	.02	.06	.04	.02
	1	1	9	11	4	10	9	6	10	5	4	2
800	0.00	35.01	34.95	34.98	35.00	34.95	34.94	34.94	34.95	34.93	34.95	34.86
	0.00	0.00	.03	.02	.09	.04	.05	.07	.02	.05	.03	.01
	0	1	9	11	4	8	9	6	10	5	3	2
1000	0.00	35.01	34.95	34.98	35.00	34.94	34.91	34.93	34.95	34.96	34.97	0.00
	0.00	0.00	.02	.02	.11	.03	.06	.09	.02	.04	0.00	0.00
	0	1	9	11	4	6	5	6	10	4	1	0