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TEMPERATURE, SALINITY AND SIGMA-T ATLAS FOR THE GULF OF ST. LAWRENCE

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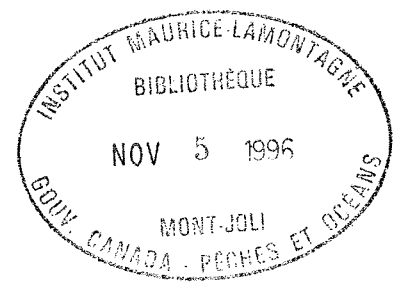
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**TEMPERATURE, SALINITY AND SIGMA-T ATLAS FOR
THE GULF OF ST. LAWRENCE**

by

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TABLE OF CONTENTS

List of Tables/Figures	iv
Abstract/Résumé	v
1. Introduction	1
2. Results	
<i>Data Retrieval and Processing</i>	2
<i>Monthly Distribution of Data</i>	2
<i>Seasonal Temperature, Salinity and σ_t Plots</i>	2
<i>Volumetric T/S Plots</i>	3
<i>Area Statistics</i>	3
3. Acknowledgements	4
4. References	4
Appendix A	231
Appendix B	247

LIST OF TABLES/FIGURES

Table A. Latitude and longitude coordinates for the 21 subareas. **Page 5**

Figure 1. Map showing the 21 subareas used in compiling monthly temperature and salinity statistics. **Page 6**

Figure 2. Number of temperature and salinity observations by month for subareas 1 to 18 at 0 and 50 m. **Page 7**

Figures 3-74. Contour maps based on optimal estimation of temperature, salinity and σ_t at 0, 30, 50, 100, 150 m and the bottom for the 15th of February, May, August and November. **Pages 8-79**

Figures 75-78. Volumetric T/S plots for the 15th of February, May, August and November based on the optimally estimated temperature and salinity. Contours are in km^3 . **Pages 80-83**

The following 147 pages consist of tables of mean temperatures, salinities and σ_t at standard depths, a time series plot of the mean, \pm one standard deviation and the extremes, and a contoured {time,z} plot of both variables. Temperature and salinity are presented together, followed by σ_t .

1 NW Cabot Strait.....	84-87; 168-170.
2 NE Cabot Strait.....	88-91; 171-173.
3 E Esquiman Channel.....	92-95; 174-176.
4 W Esquiman Channel.....	96-99; 177-179.
5 Jacques Cartier Passage.....	100-103; 180-182.
6 NW Gulf.....	104-107; 183-185.
7 Estuary.....	108-111; 186-188.
8 Gaspé.....	112-115; 189-191.
9 N Laurentian Channel.....	116-119; 192-194.
10 S Laurentian Channel.....	120-123; 195-197.
11 Shediac Valley.....	124-127; 198-200.
12 NW Magdalen Shallows.....	128-131; 201-203.
13 NE Magdalen Shallows.....	132-135; 204-206.
14 W Northumberland Strait.....	136-139; 207-209.
15 S Magdalen Shallows.....	140-143; 210-212.
16 Cape Breton Channel.....	144-147; 213-215.
17 E Northumberland Strait.....	148-151; 216-218.
18 Baie des Chaleurs.....	152-155; 219-221.
66 Cabot Strait West.....	156-159; 222-224.
67 Cabot Strait Central.....	160-163; 225-227.
68 Cabot Strait East.....	164-167; 228-230.

Appendix A. Number of years for which data were available by subarea, month and depth. Temperature and salinity are presented together, followed by σ_t . **Page 231**

Appendix B. Monthly average temperatures and salinities for the 0-30 m, 30-100 m, 100-200 m and 200-300 m layers. **Page 247**

ABSTRACT

Petrie, B., K. Drinkwater, A. Sandström, R. Pettipas, D. Gregory, D. Gilbert and P. Sekhon. 1996. Temperature, salinity and sigma-t atlas for the Gulf of St. Lawrence. Can. Tech. Rep. Hydrogr. Ocean Sci. 178: v + 256 pp.

We divided the Gulf of St. Lawrence into 21 subareas based primarily on the topography. For each area, we calculated the monthly means, standard deviations and extrema of temperature, salinity and σ_t . We present the results as tables, time series plots at selected depths and contoured plots with time (depth) as the horizontal (vertical) axis. We used optimal estimation to calculate the temperature, salinity and σ_t distributions at 0, 30, 50, 100, 150 m, and near bottom for the 15th of February, May, August and November corresponding to the winter, spring, summer and fall. In addition, we present the seasonal volumetric temperature and salinity distributions.

RÉSUMÉ

Petrie, B., K. Drinkwater, A. Sandström, R. Pettipas, D. Gregory, D. Gilbert and P. Sekhon. 1996. Temperature, salinity and sigma-t atlas for the Gulf of St. Lawrence. Can. Tech. Rep. Hydrogr. Ocean Sci. 178: v + 256 pp.

Nous avons divisé le golfe du Saint-Laurent en 21 sous-régions basées principalement sur la topographie. Pour chacune d'elles nous avons calculé les valeurs moyennes mensuelles, les écarts-types et les valeurs extrêmes de la température, de la salinité et de sigma-t. Nous présentons les résultats sous forme de tableaux, de ^{series} chronologiques à des profondeurs choisies et de courbes d'isovaleurs, le temps figurant en abscisse et la profondeur en ordonnée. Nous avons utilisé la méthode d'estimation optimale pour calculer les distributions de la température, de la salinité et de sigma-t aux profondeurs de 0, 30, 50, 100 et 150 m, et près du fond au quinzième jour des mois de février, mai, août et novembre, correspondant à l'hiver, au printemps, à l'été et à l'automne. Nous présentons les distributions volumétriques saisonnières de la température et de la salinité.

1. Introduction

This report presents the monthly means, standard deviations and extreme values of temperature, salinity and σ_t for the waters of the Gulf of St. Lawrence. An update of the earlier atlas by Petrie (1990), it is based on the bottle, CTD, MBT and XBT observations from numerous sources and presents statistics and plots computed from about twice as much data as were available to Petrie (1990). We used the AFAP (Atlantic Fisheries Adjustment Program) oceanographic database as the input for all of our analyses. This database contains over 10 million individual observations of temperature and salinity for the area roughly defined by 35°-80° N and 42°-100° W, stretching from northern Baffin Bay to Cape Hatteras and beginning in 1910. The data are from a variety of sources including hydrographic bottles, CTD (down or up traces) and expendable, digital and mechanical bathythermographs. A more complete description of the database is given by Petrie et al. (1996). For access to the database, analysis programs or additional information, contact D. Gregory at BIO (902-426-8931; d_n_gregory@bionet.dfo.bio.ca).

We divided the Gulf of St. Lawrence into 21 subareas chosen on the basis of the topography, e.g., a shallow area, bay or channel, or major oceanographic features such as the Gaspé Current (Fig. 1, Table A). Subareas 3-17 are the same as those of Petrie (1990), though in a few cases modifications were made to eliminate slight overlaps or gaps that occurred between adjacent subareas. Subareas 1 and 2 have been modified to exclude the region occupied by the standard hydrographic section across Cabot Strait. We partitioned this part of the Strait into 3 new subareas, 66-68, encompassing station 1 (46.958°N, 60.217°W), stations 2 and 3 (47.1°N, 59.992°W, 47.272°N, 59.783°W), and stations 4 and 5 (47.433°N, 59.783°W, 47.583°N, 59.342°W) from the standard section. These three subareas were also included in the Scotian Shelf-Gulf of Maine atlas (Petrie et al., 1996). An additional subarea, 18, covers the Baie des Chaleurs.

Within each subarea, we grouped the data into bins by month and depth interval around standard depths of 0 (+5), 10 (± 5), 20 (± 5), 30 (± 5), 50 (± 5), 75 (± 5), 100 (± 10), 150 (± 10), 200 (± 10), 250 (± 10), 300 (± 25), 400 (± 25), 500 (± 25) m. For a given month, we averaged the data within each year before calculating the overall averages and determining the standard deviations. This helps to reduce the bias that would result if intense sampling occurred in any one year. These statistics are displayed in three ways for each subarea: as tables showing the monthly means, standard deviations and the total number of points (the number of years in which the data were collected is given in Appendix A); as time series plots, for depths that have sufficient data, showing the mean, ± 1 standard deviation and the maximum and minimum individual observed values; and as contoured {time, depth} vertical structure plots.

We also present seasonal, contoured plots of temperature, salinity and σ_t for 6 depths from the surface to the bottom. These contour plots were derived from optimal estimates of the three variables on a 0.1°x0.1° grid.

2. Results

Data Retrieval and Processing

We used the database program **Foxpro**® to retrieve the data and to compute the statistics from the AFAP database. The statistics were contoured automatically and without smoothing using **Gri**, a plotting package developed by and available from Dan Kelley (dan.kelley@dal.ca). Large numbers of files can be handled efficiently with these packages, allowing the atlas to be updated readily. The optimal estimation routine OAX from the **OCEANS** data analysis package developed at Bedford Institute was used to compute the seasonal temperature, salinity and σ_t maps for 6 depths on a $0.1^\circ \times 0.1^\circ$ latitude-longitude grid. These fields were contoured using the **Gri** package with smoothing.

Monthly Distribution of Data

We show the total number of temperature and salinity observations for subareas 1 to 18 by month for 0 and 50 m (Fig. 2). The October-April period is the least sampled due in part to the presence of ice. Throughout the year there are about 4 times as many temperature observations as there are for salinity. The number of data points at 0 m exceeds the number at 50 m for most months.

Seasonal Temperature, Salinity and σ_t Plots

We used optimal estimation routines to derive temperature, salinity and σ_t maps for the region at 0, 30, 50, 100 and 150 m and the bottom depth. The estimates were made for the 15th of February, May, August and November, thus giving seasonal representations of these variables (Fig. 3-74). The $\{x,y,z,t\}$ scales varied from $\{40 \text{ km}, 40 \text{ km}, 15 \text{ m}, 45 \text{ d}\}$ in winter for 0-30 m (below 30 m, the z scale was 25 m) to $\{30 \text{ km}, 30 \text{ km}, 15 \text{ m}, 30 \text{ d}\}$ for the other 3 seasons (below 30 m, the z scale was 25 m). These choices were made to reflect the changes of scales that occur with season. Some smoothing was applied to the contour plots of the estimated data. There is more uncertainty for the November and February maps because fewer data are available during the fall and winter than in spring and summer.

When using these maps take note that the contouring package can interpolate through areas where the depth may be less than the depth level being plotted. In addition, there are many observations that were collected in estuaries influenced by freshwater inflow. These data strongly affected some salinity maps, leading at times to a large number of contour lines radiating out from the coast. We edited some of the maps to suppress the strongest of these features and to reflect the salinity in open waters.

The temperature and salinity maps were generated from all the available data; however, the σ_t contours do not represent the combination of the optimally estimated T and S. The σ_t values are derived from a subset of the database that consists of observations where both T and S were measured. For each T and S pair, σ_t is calculated and fed into the optimal estimation routine.

The optimal estimator also produces an error field that is a function of the value assigned to measurement "noise" (dependent on instrument accuracy for example), the data distribution and their relationship to the input spatial and temporal scales. Generally, few data and small scales lead to large error estimates and vice versa. For the Gulf of St. Lawrence, the temperature and salinity error fields were smallest for the spring and summer seasons. The temperature (salinity) error estimates on average were about 10% (40%) higher for fall and 30% (40%) higher for winter.

Volumetric T/S Plots

The volumes (km^3) for each depth interval in each $0.1^\circ \times 0.1^\circ$ cell have been summed from the surface to the bottom in temperature and salinity bins with intervals of 0.5°C and 0.25. The results for each season are shown in figures 75-78. In winter, the bin with the maximum volume is 4.75°C and 34.875, values characteristic of the deeper waters of the Gulf. The peak volume remains at or near this value throughout the year. The distribution in spring reflects the freshening and general warming caused by increased freshwater inflow and solar radiation. Between May and August there is a broad spreading of the T/S structure with an overall temperature increase and salinity decrease. The changes are confined to the upper layers. The T/S structure contracts in the fall because of mixing and heat loss. We have compiled the seasonally-averaged temperatures and salinities for the Gulf to show how conditions vary in a general sense. Most of the change occurs at shallower depths.

Averaged Water Properties

Season	Temperature ($^\circ\text{C}$)	Salinity
Winter	1.38	32.85
Spring	2.03	32.82
Summer	3.57	32.77
Fall	3.12	32.68

Area Statistics

The final compilation of results consists of the monthly mean statistics of temperature, salinity and σ_t in tabular form, time series plots of the tabulated values at selected depths and {time,z} contoured plots for T and S for the 21 subareas. We present the temperature and salinity results for all areas, followed separately by those for σ_t . The tables consist of the monthly means and standard deviations, where the data have been averaged within each year before calculating the overall statistics. For example in one depth interval, if there were 100 points from January 1960 and 10 each from 1961-70, we first found averages for each January before combining these 11 averages to get the overall mean. Similarly, the standard deviation was calculated from the 11 averages, not from the 200 data points. However, in the tables we show the total number of data

points. This is why in some cases there are seemingly sufficient points to calculate the standard deviation, however, it is given as -99.00 (our default value when the standard deviation cannot be calculated, e.g., subarea 1, NW Cabot Strait temperature at 500 m in June since all 4 observations were taken in 1 year). In Appendix A, we have tabulated the number of monthly averages, i.e., the number of years that had data. In addition, there are cases where no statistics are reported for a depth level although there are values given for deeper and shallower depths (e.g., salinity, subarea 1, NW Cabot Strait, 10 m in February). This is probably caused by the absence of CTD data and the sampling limitations of bottle casts.

In Appendix B, we have compiled the monthly average temperatures and salinities of each subarea for the 0-30 m, 30-100 m, 100-200 m and 200-300 m layers. For each layer, the monthly averages for all subareas have been combined to give an overall Gulf average. These average temperatures and salinities do not account for the water volumes of each subarea. Long-term variations of the temperature and salinity in these layers have been used as a measure of climate change in the Gulf (see, for example, Gilbert 1996). We have computed the average temperatures and salinities taking into account the differing volumes of the subareas. The differences between the average, 0-30 m Gulf temperature and salinity calculated in the traditional manner and when subarea volumes are taken into account are shown in Fig. B1. The differences can be as much as 0.6°C and 0.25, comparable to observed climatological variations. This indicates that volumes should be considered when average properties are calculated. This could be a potentially greater effect for the deeper layers because of large shallow areas in some subareas.

3. Acknowledgements

We thank the Marine Environmental Data Service for their ongoing support and encouragement with the AFAP database development and the Panel of Environmental Research and Development for partial financial support. We also thank G. Bugden, the father of Gulf atlases, and D. Greenberg for reviewing the report and making sound suggestions.

4. References

Gilbert, D. 1996. Oceanographic conditions in the Gulf of St. Lawrence in 1995. DFO, Atlantic Fisheries, Stock Status Rep. 96/51. 7 pp.

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Table A.
Latitude and longitude coordinates for the 21 areas shown in Figure 1.

SUBAREA	INDEX	LATITUDE(°N)	LONGITUDE(°W)
NW CABOT STRAIT	1	47.0333 60.4583; 47.1500 60.2833; 47.4550 59.8417; 48.3000 60.6833; 47.9667 60.9833; 47.6667 60.6000; 47.0333 60.6000	
NE CABOT STRAIT	2	47.4550 59.8417; 47.8033 59.3583; 48.4667 59.2833; 48.4833 60.5167; 48.3000 60.6833	
E ESQUIMAN CHANNEL	3	51.2833 56.6833; 48.4667 59.2833; 48.4833 60.5167; 49.8333 59.2000; 51.3167 56.9167	
W ESQUIMAN CHANNEL	4	51.3167 56.9167; 49.8333 59.2000; 48.4833 60.5167; 50.2333 60.6333; 51.4333 57.9000	
JACQUES CARTIER PASSAGE	5	50.2333 60.6333; 48.4833 60.5167; 49.0833 61.7167; 49.9167 64.0000; 50.2833 64.0000	
NW GULF	6	50.2833 64.0000; 49.2000 64.0000; 49.5000 65.0000; 49.5000 67.2167; 50.1833 66.6833	
ESTUARY	7	49.0000 67.2167; 49.0000 68.5000; 48.6667 69.0000; 48.1667 69.5833; 48.1667 69.3333; 48.3333 69.0000	
GASPÉ	8	48.9333 63.1667; 48.5000 63.1667; 48.5000 64.2167; 48.8500 64.2167; 48.8333 67.2167; 49.5000 67.2167; 49.5000 65.0000; 49.2000 64.0000	
N LAURENTIAN CHANNEL	9	49.0833 61.7167; 48.4833 60.5167; 48.3000 60.6833; 48.9333 63.1667; 49.2000 64.0000; 49.9167 64.0000	
S LAURENTIAN CHANNEL	10	48.3000 60.6833; 47.9667 60.9833; 48.5000 63.1667; 48.9333 63.1667	
SHEDIAC VALLEY	11	48.5000 63.1667; 47.7167 64.0000; 47.3167 64.0000; 47.3000 64.9333; 47.8817 64.5900; 47.5000 64.2167	
NW MAGDALEN SHALLOWS	12	48.2167 62.0000; 47.3833 62.0000; 47.3833 64.0000; 47.7167 64.0000; 48.5000 63.1667	
NE MAGDALEN SHALLOWS	13	47.6667 60.6000; 47.3667 60.6000; 47.3833 62.0000; 48.2167 62.0000; 47.9667 60.9833	
W NORTHUMBERLAND STRAIT	14	47.3167 64.0000; 47.0667 64.0000; 46.7000 64.4167; 46.2167 63.6667; 46.1167 63.7833; 46.2333 64.5833; 47.3000 64.9333	
S MAGDALEN SHALLOWS	15	47.3833 62.0000; 46.4500 62.0000; 46.5667 63.6833; 47.0667 64.0000; 47.3833 64.0000	
CAPE BRETON CHANNEL	16	47.3667 60.6000; 47.0333 60.6000; 46.4500 61.0000; 46.4500 62.0000; 47.3833 62.0000	
E NORTHUMBERLAND STRAIT	17	46.4500 61.0000; 45.5833 61.5667; 45.9167 64.0000; 46.2167 63.6667; 46.2167 62.4167; 46.4500 62.0000	
BAIE DES CHALEURS	18	48.5000 64.2167; 47.8817 64.5900; 47.6700 65.6000; 47.9667 66.1667; 48.1167 66.1667; 48.1167 65.0000	
CABOT STRAIT WEST	66	46.6250 60.3500; 46.9250 59.9333; 47.1500 60.2833; 47.0333 60.4583	
CABOT STRAIT CENTRAL	67	46.9250 59.9333; 47.1500 60.2833; 47.4550 59.8417; 47.2383 59.4917; 47.0033 59.8250	
CABOT STRAIT EAST	68	47.2383 59.4917; 47.4550 59.8417; 47.8033 59.3583; 47.5833 59.0167	

Gulf of St. Lawrence Climatological Subareas

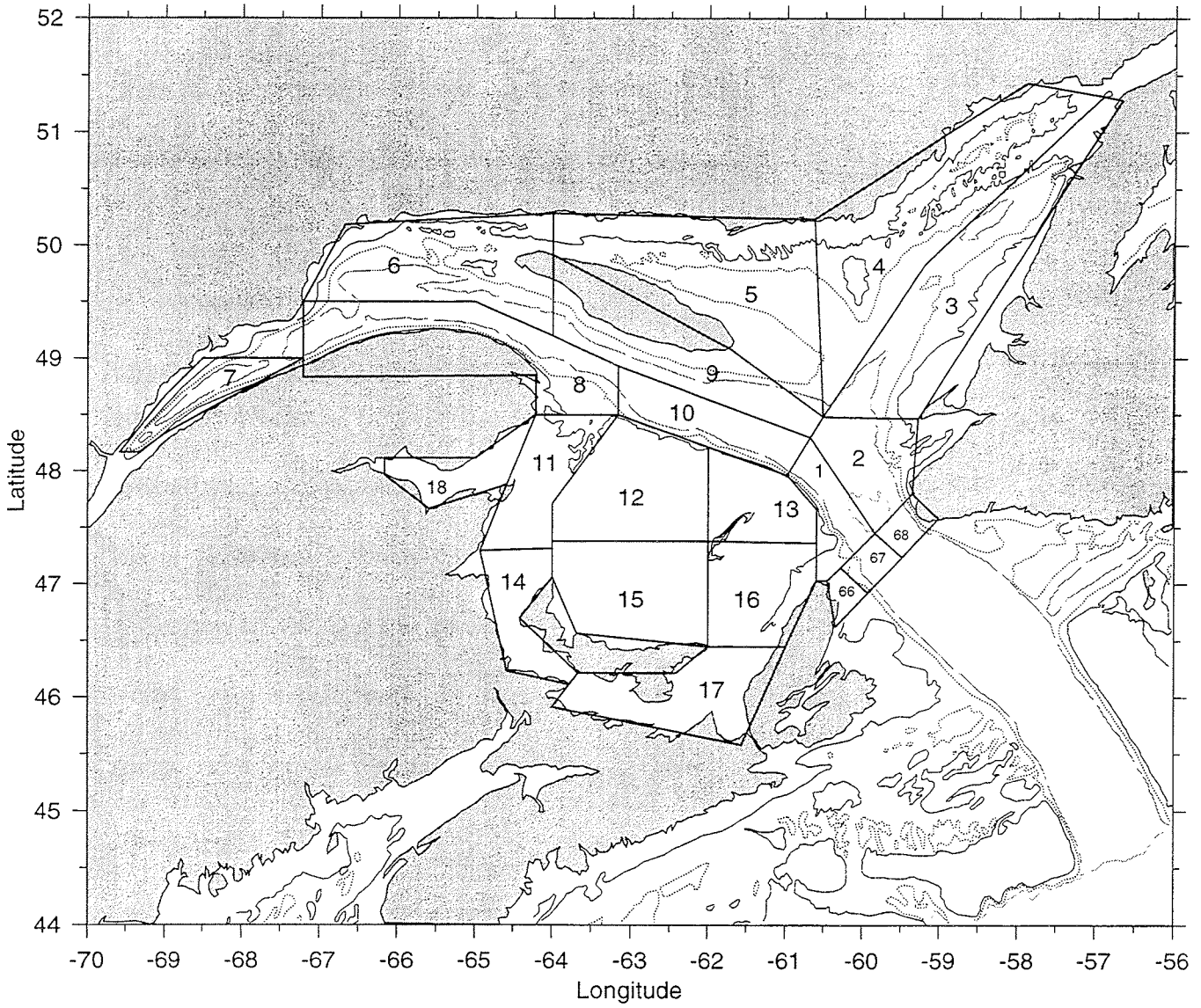


Figure 1.

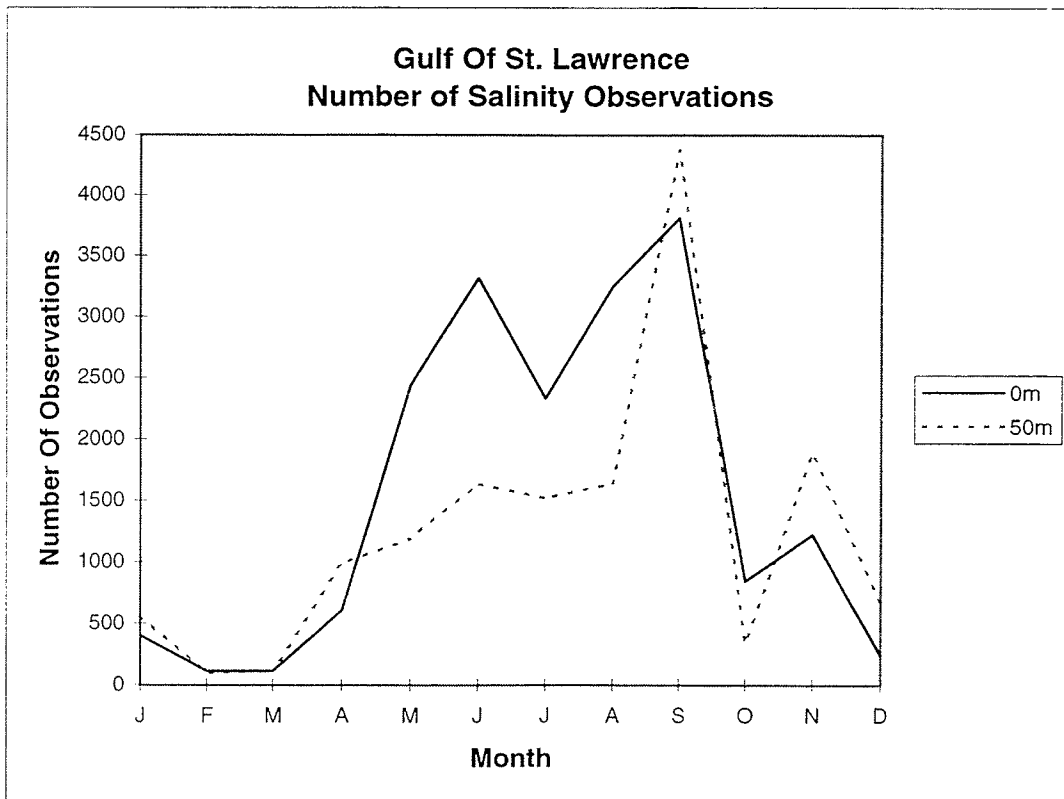
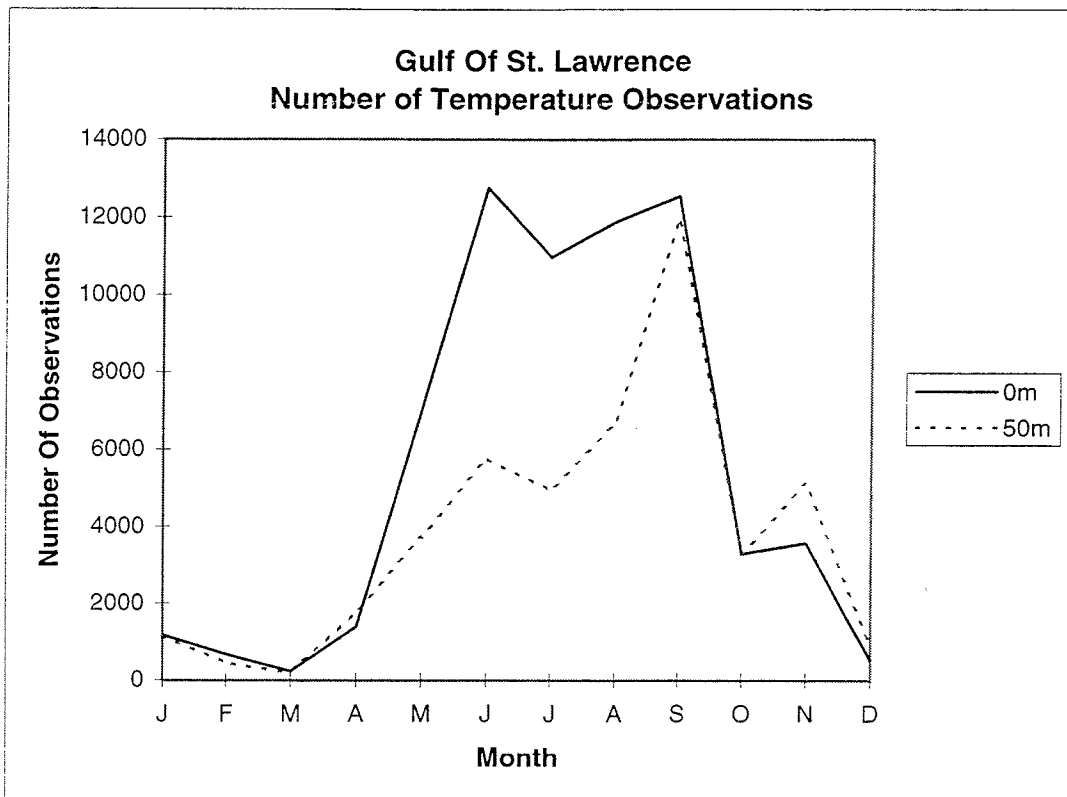
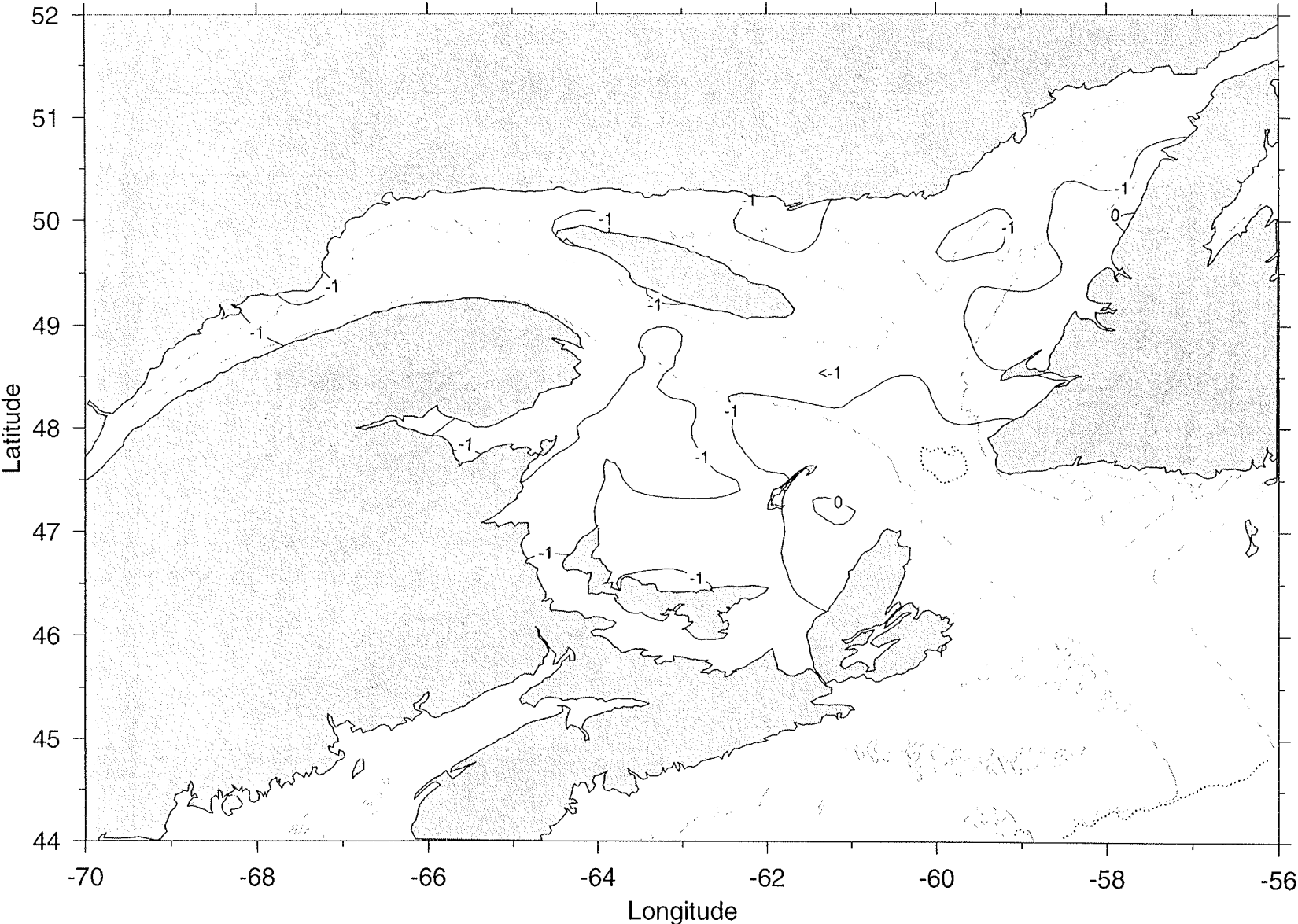
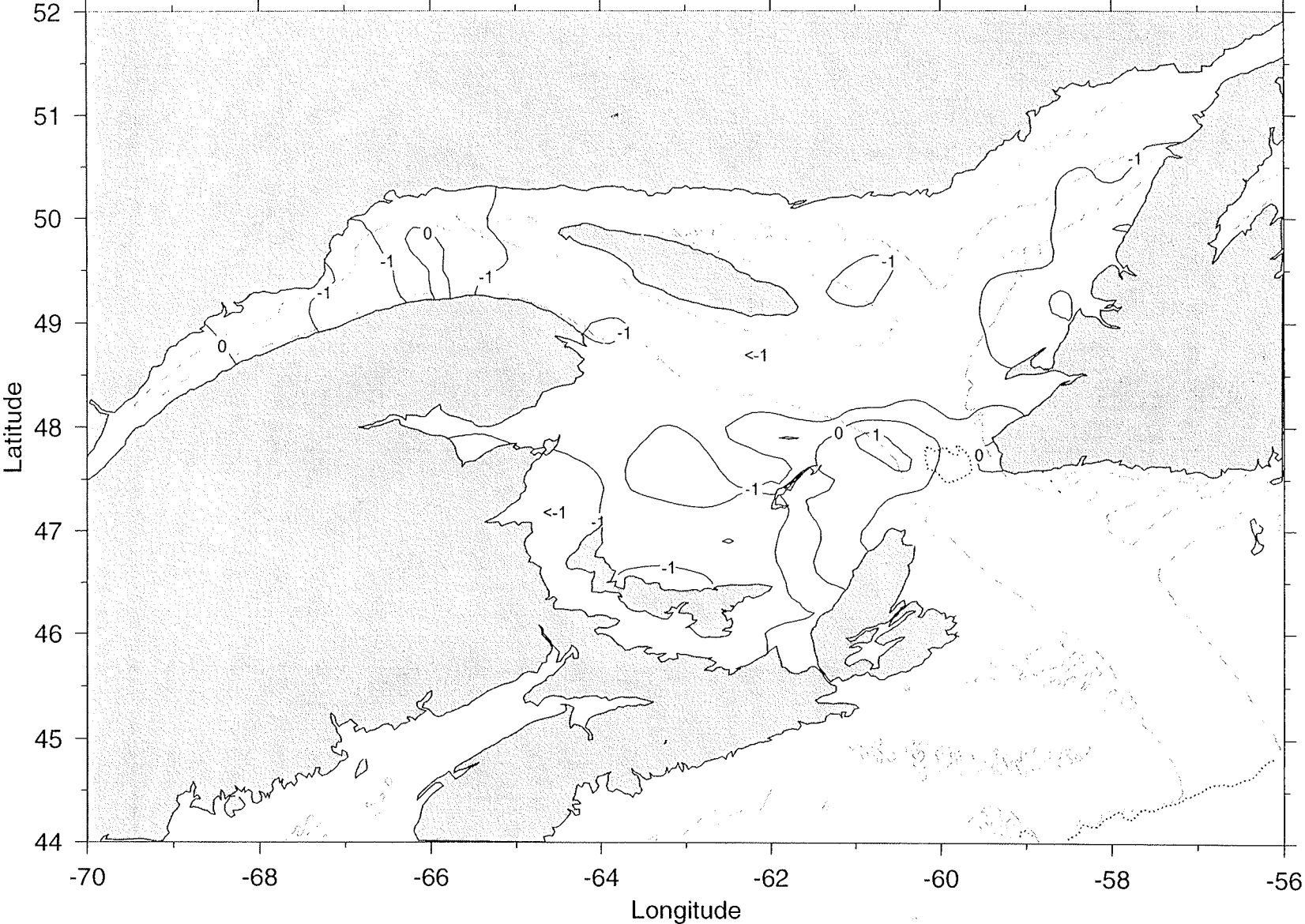


Figure 2.

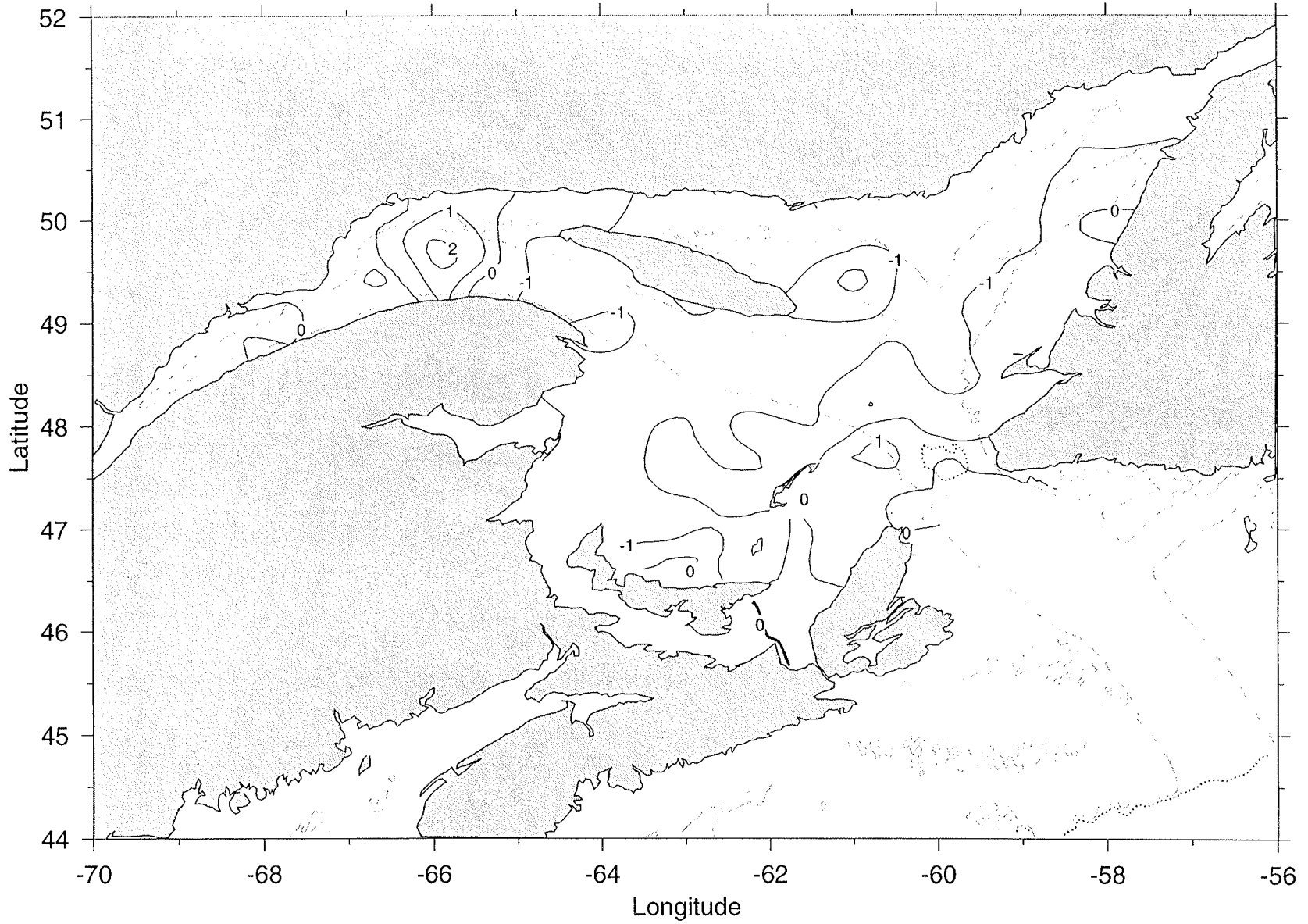
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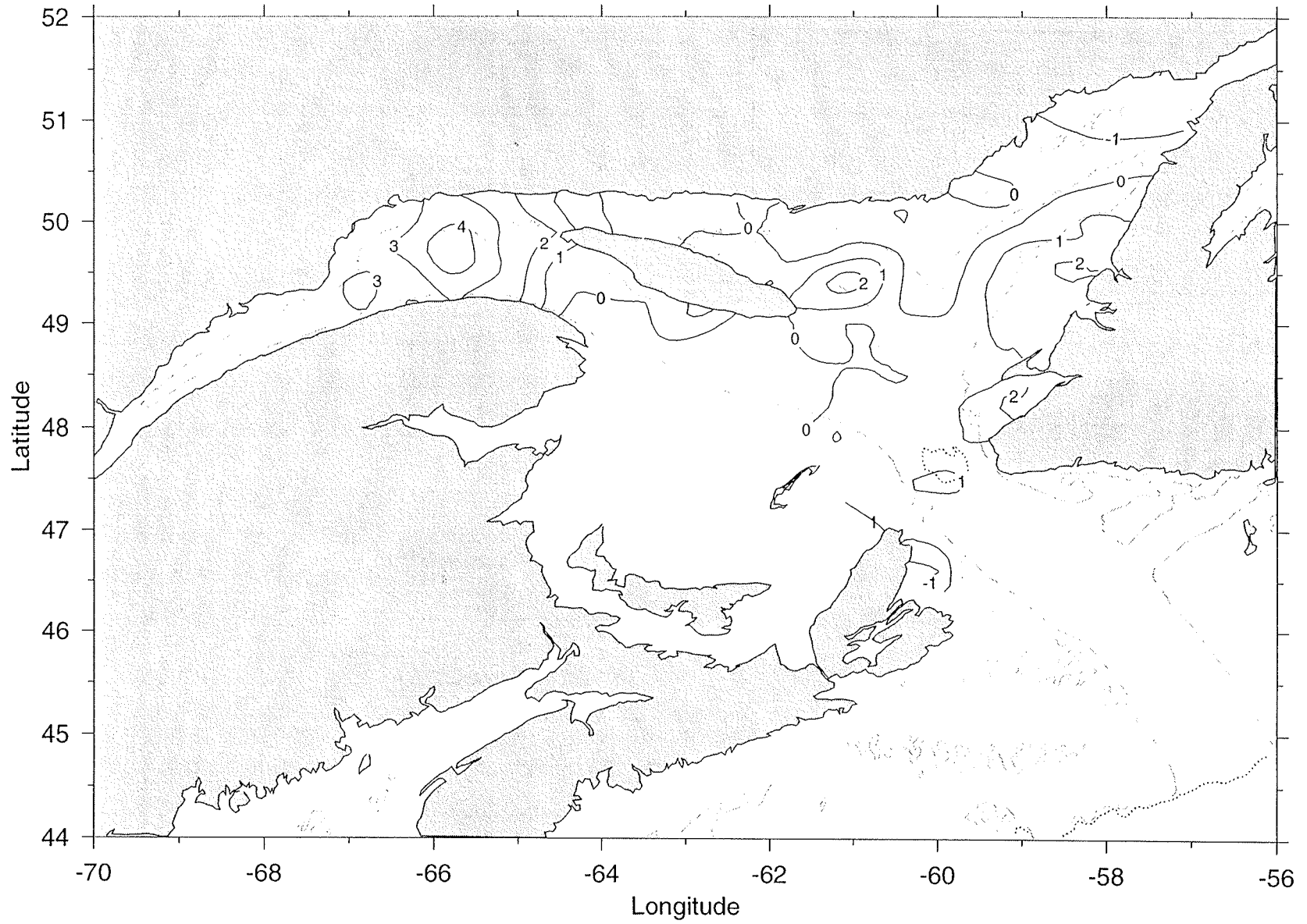
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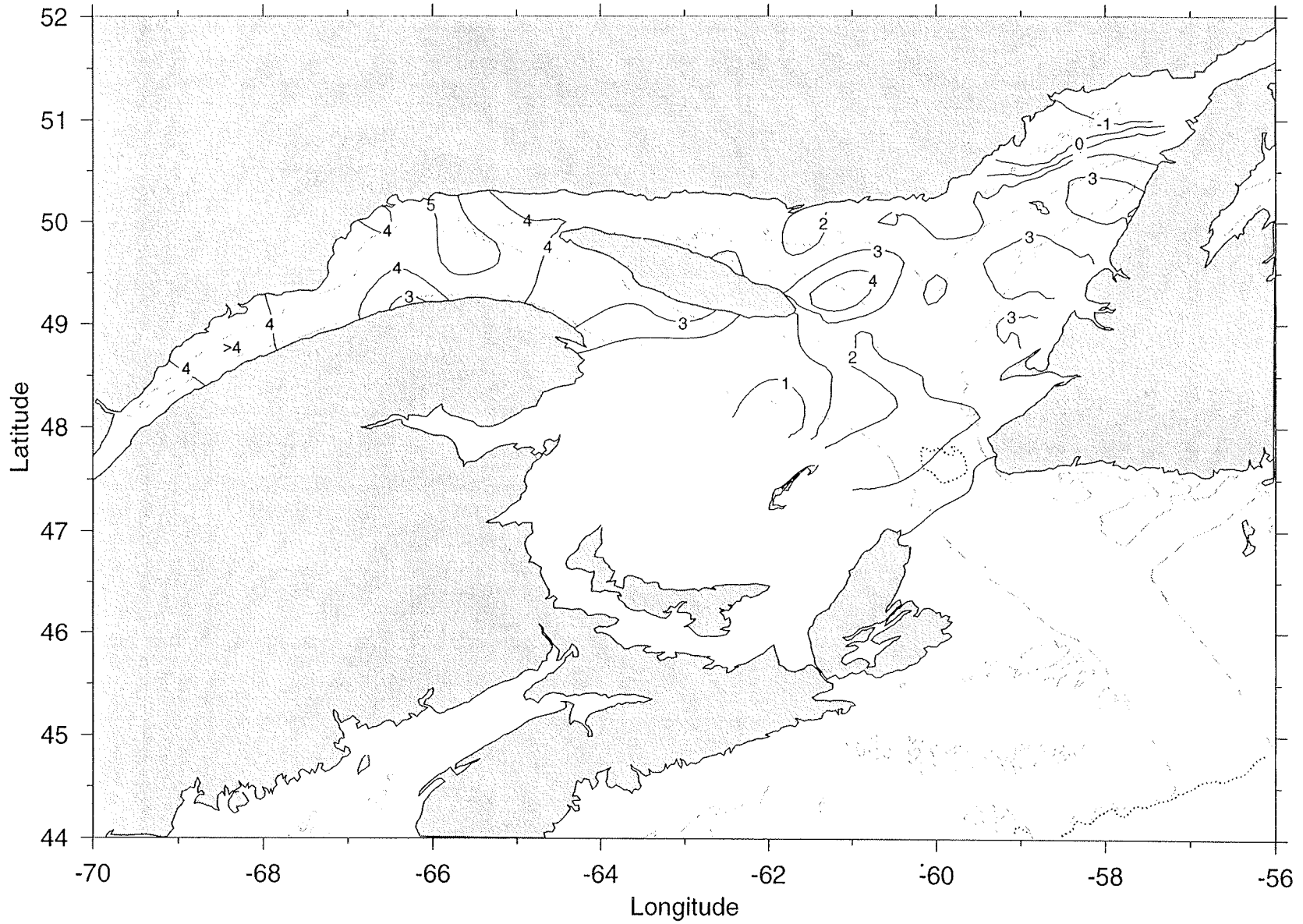
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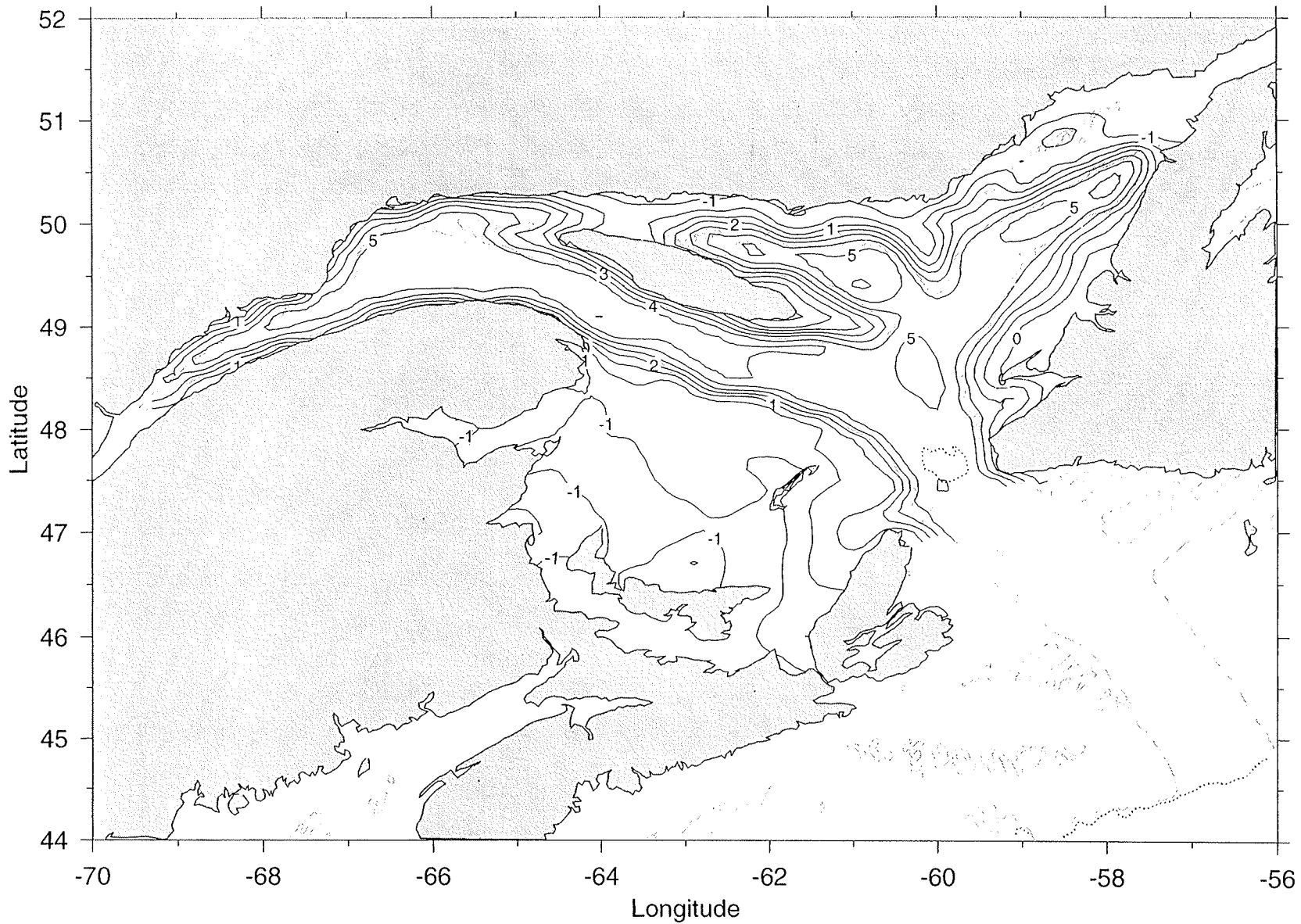
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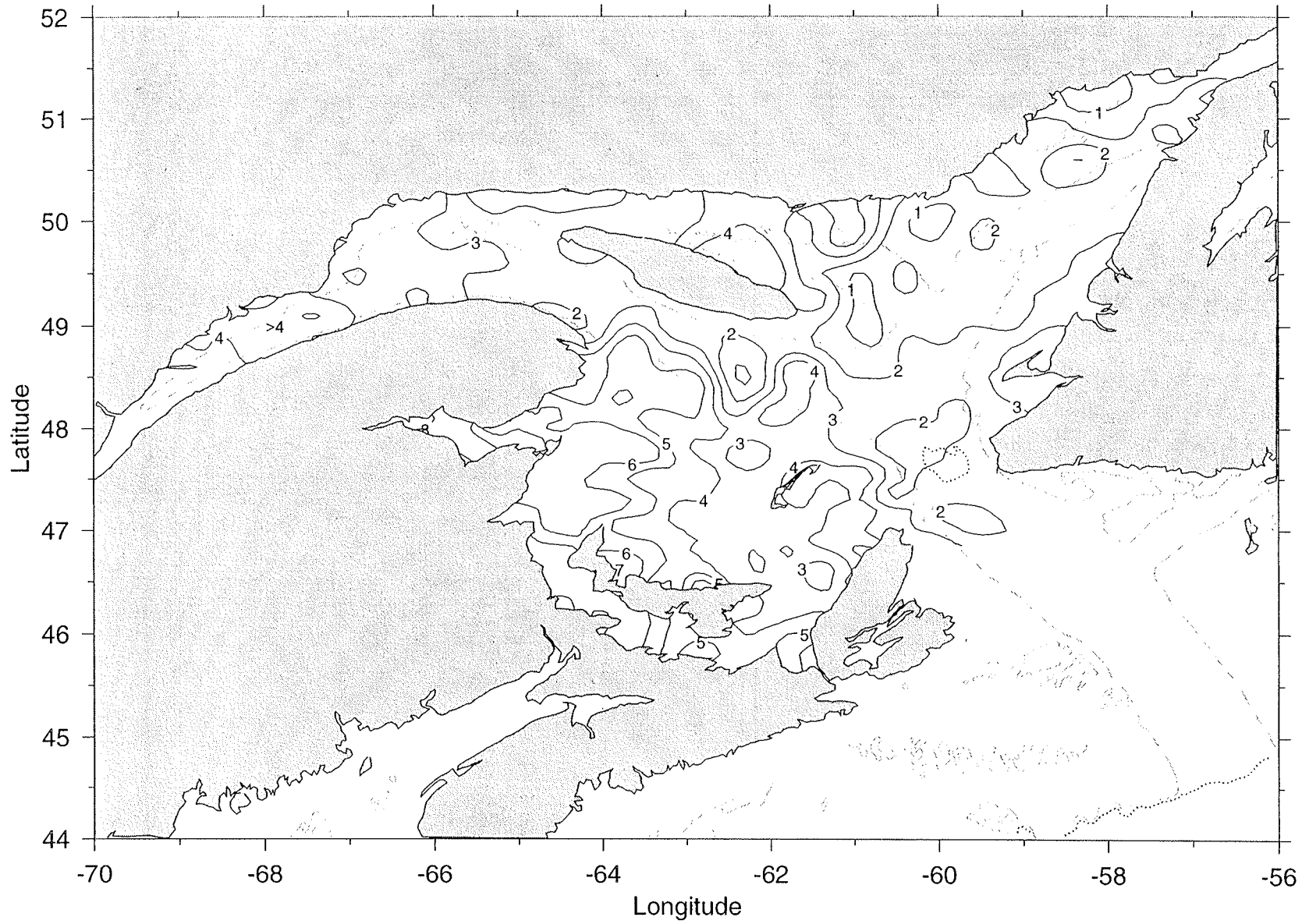
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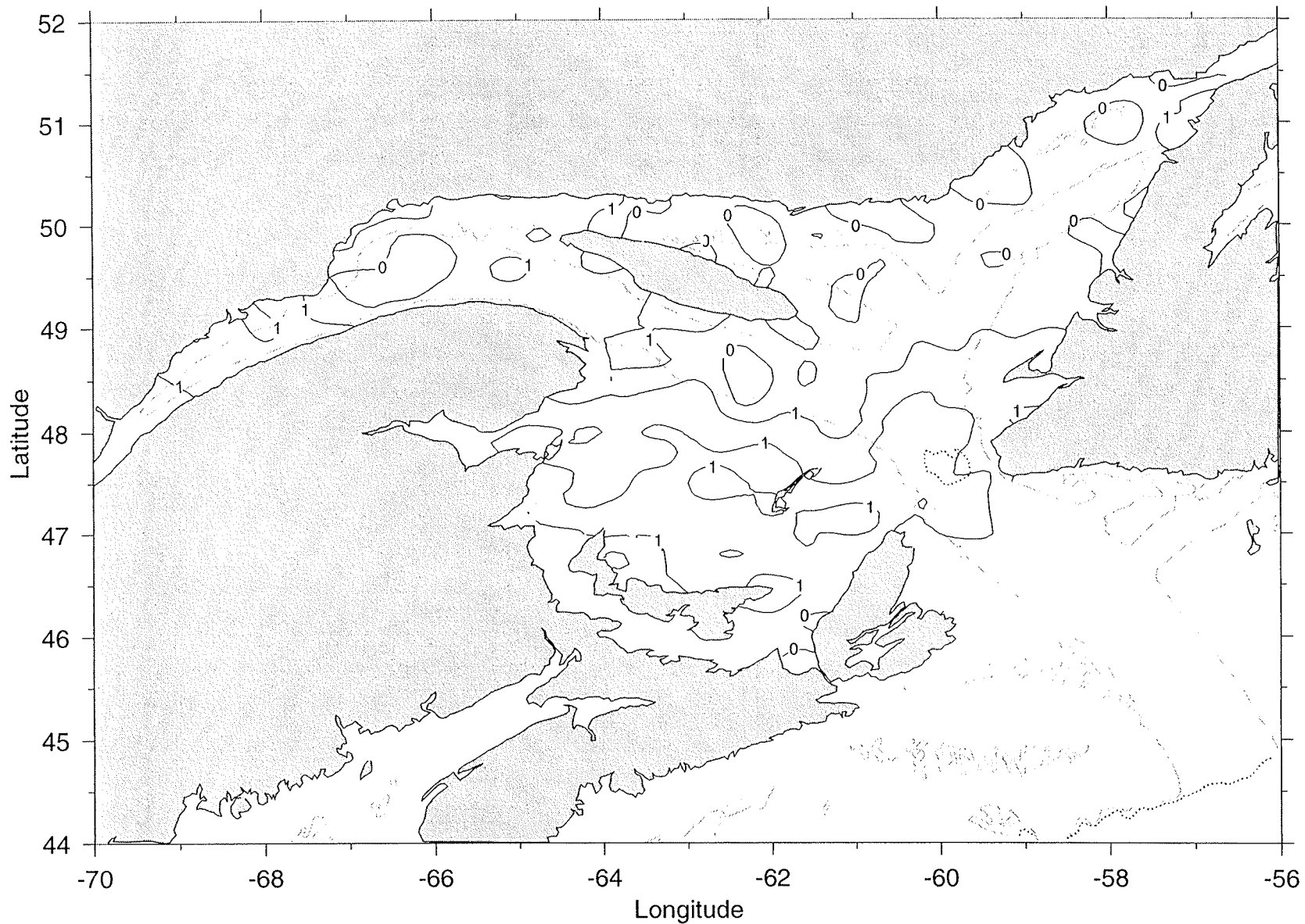
Bottom Temperature February 15



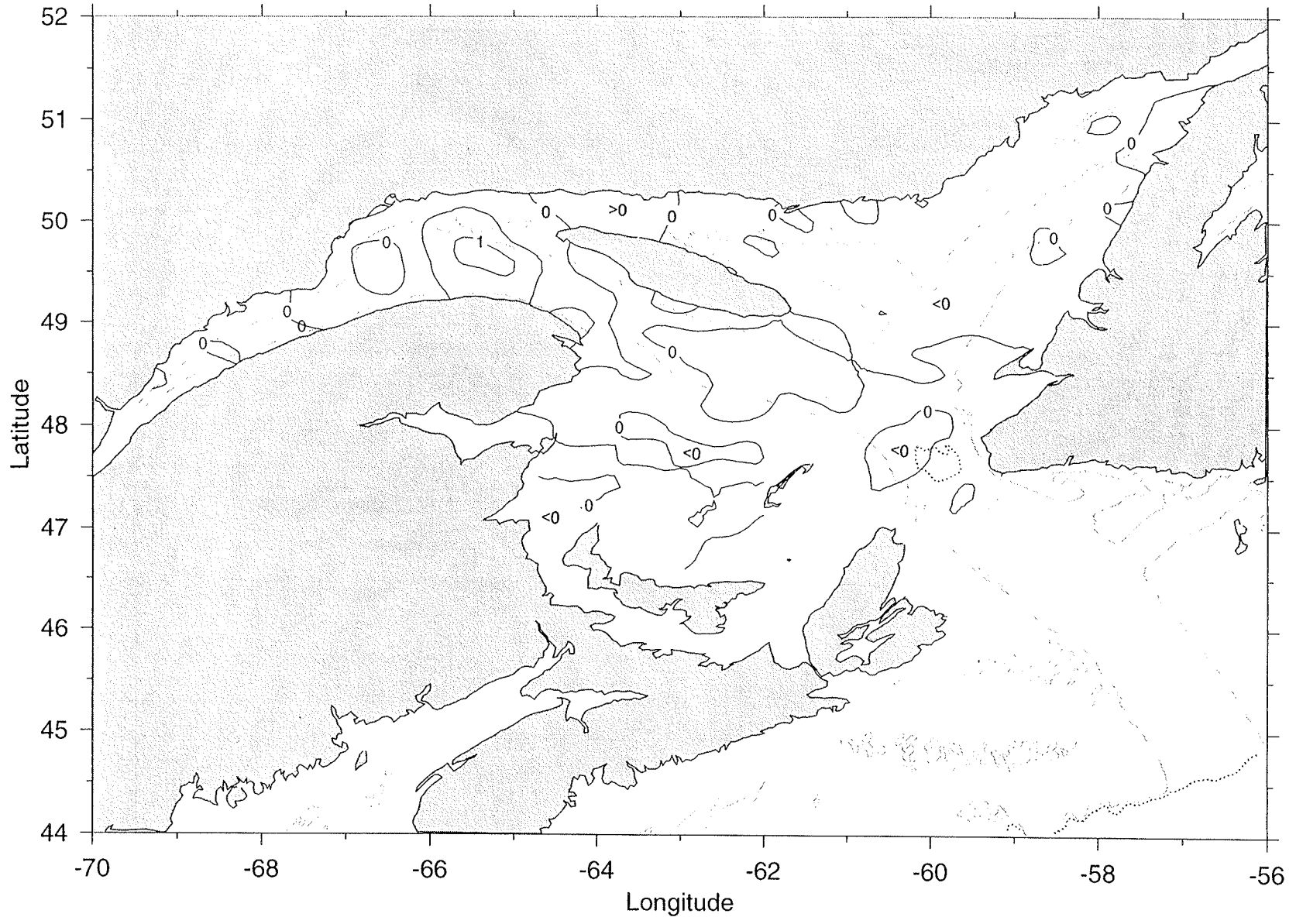
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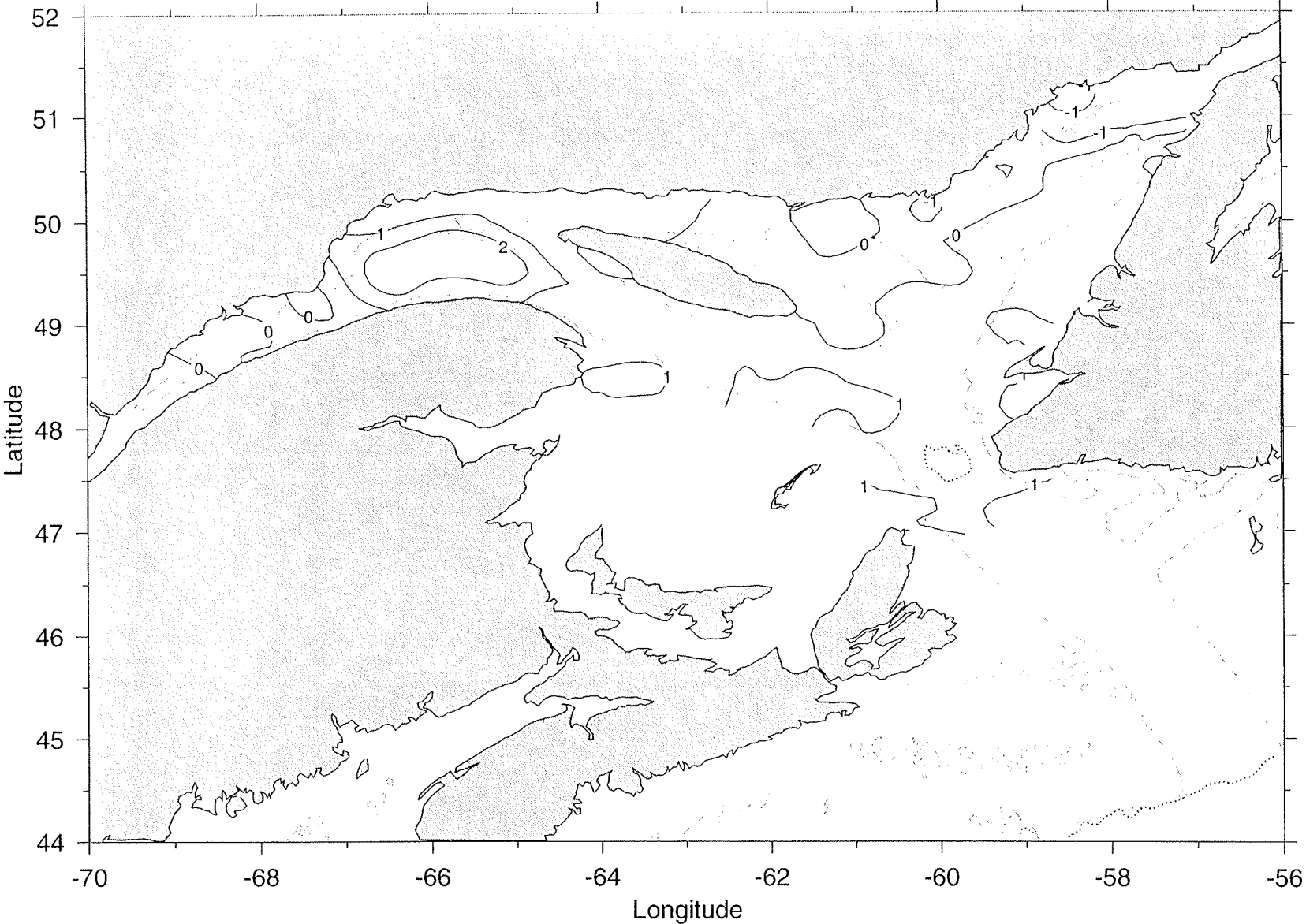
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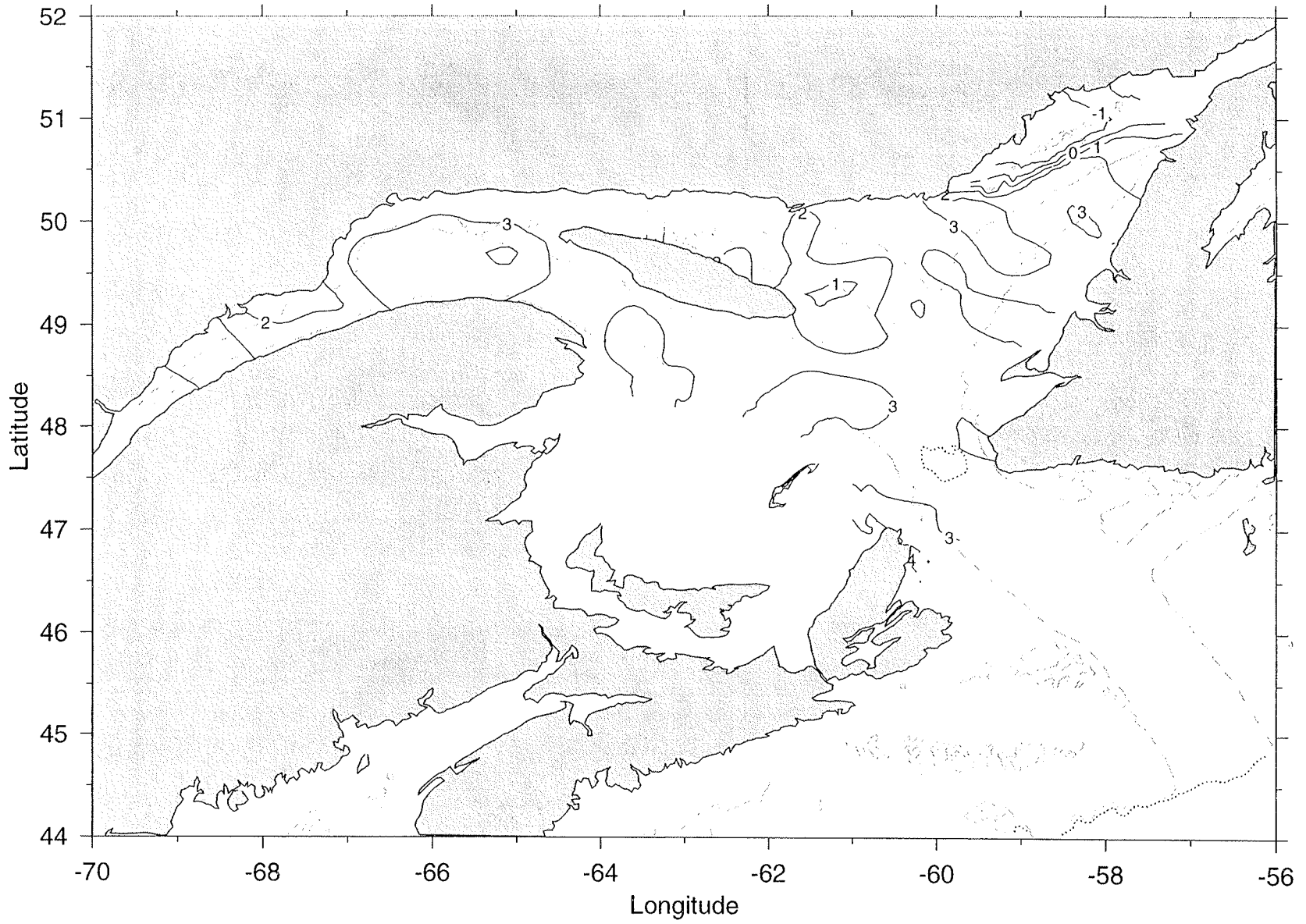
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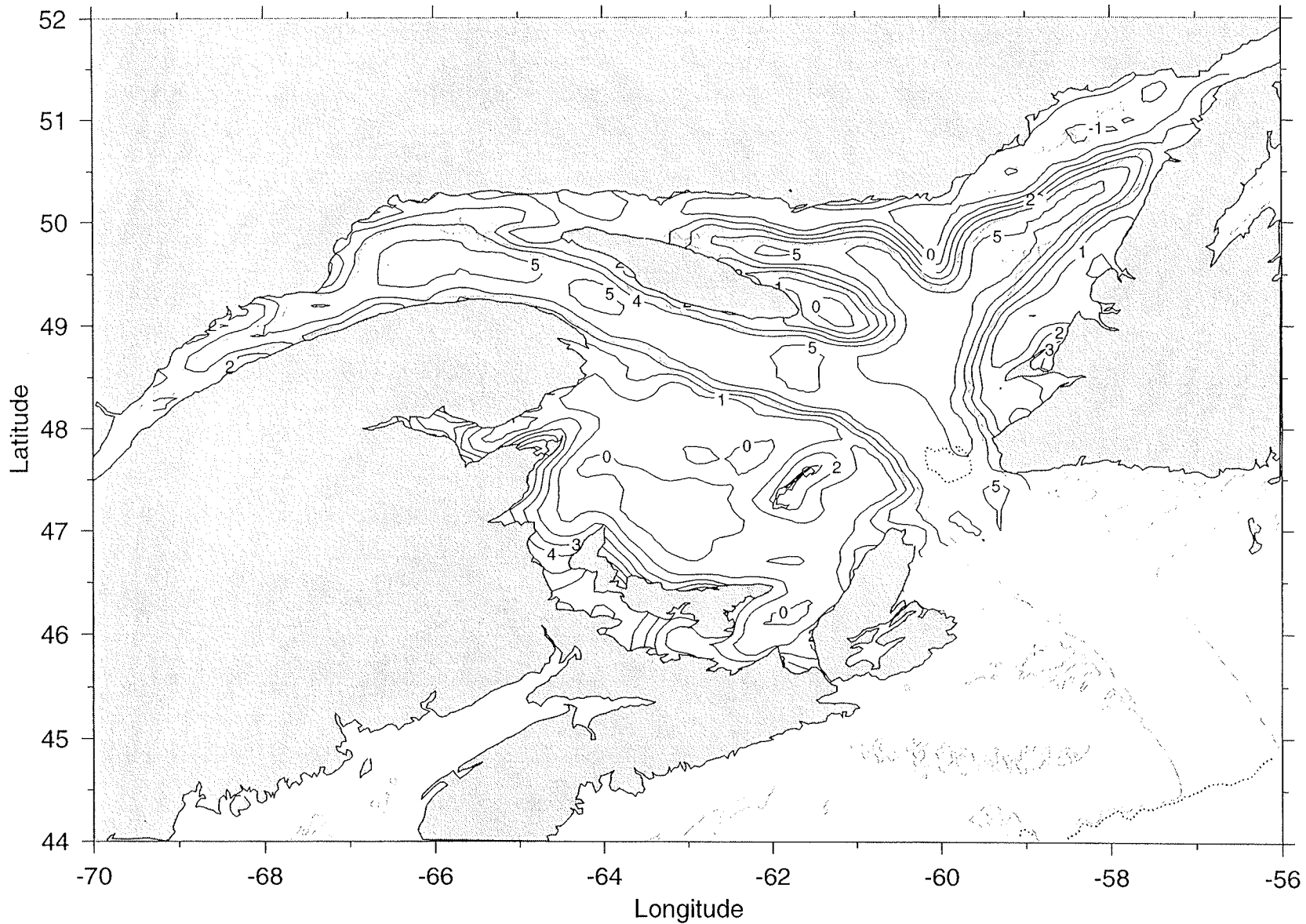
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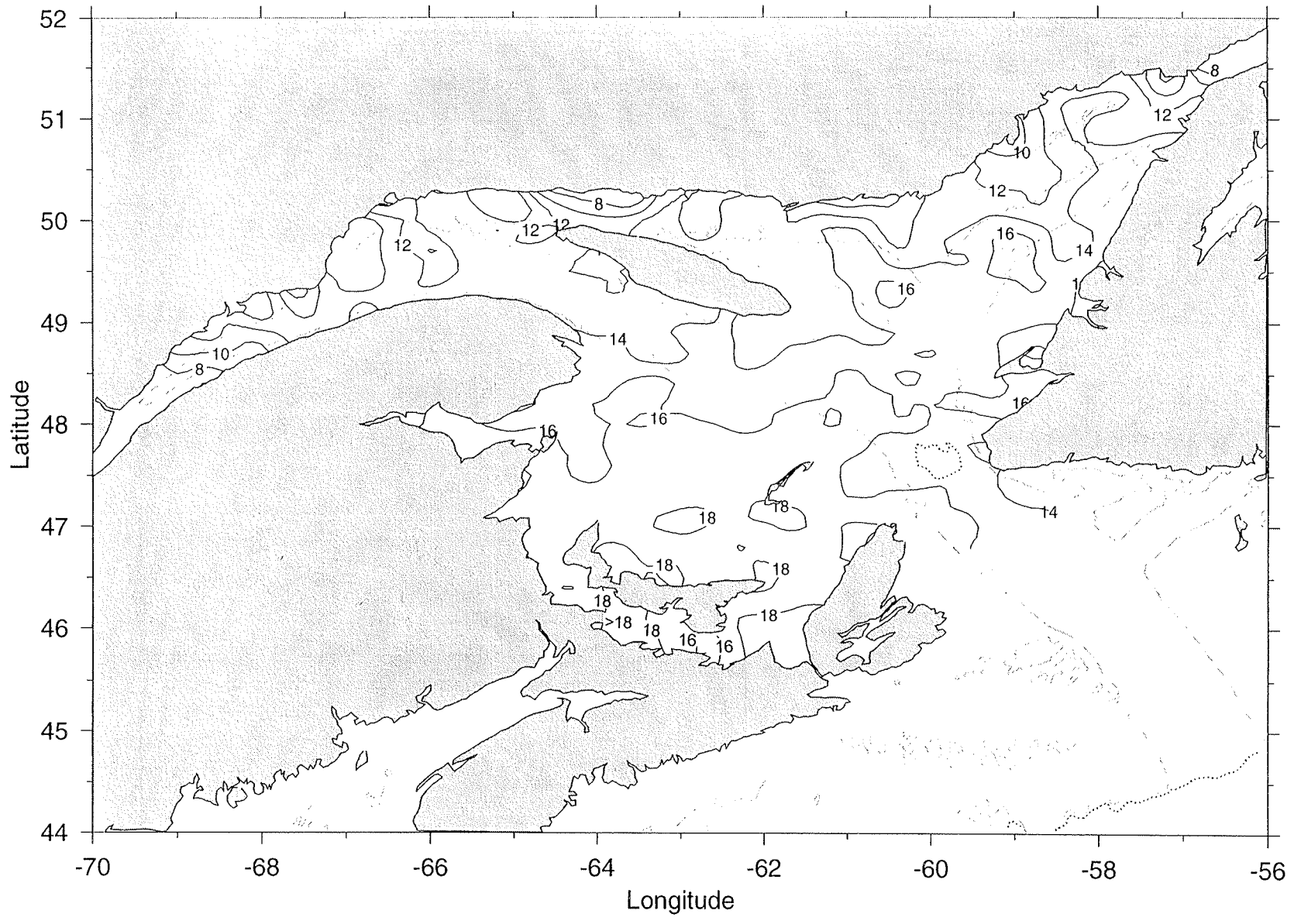
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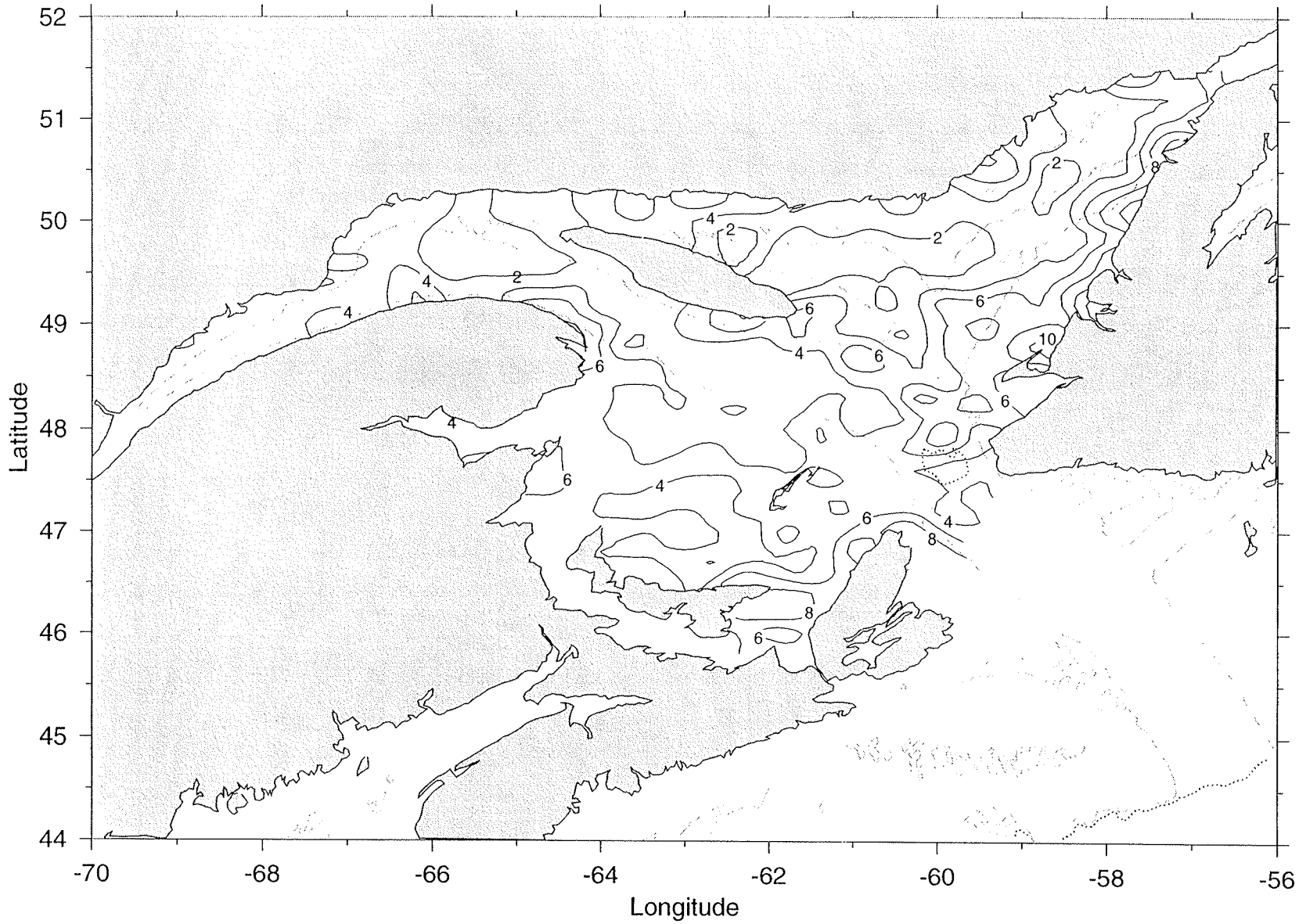
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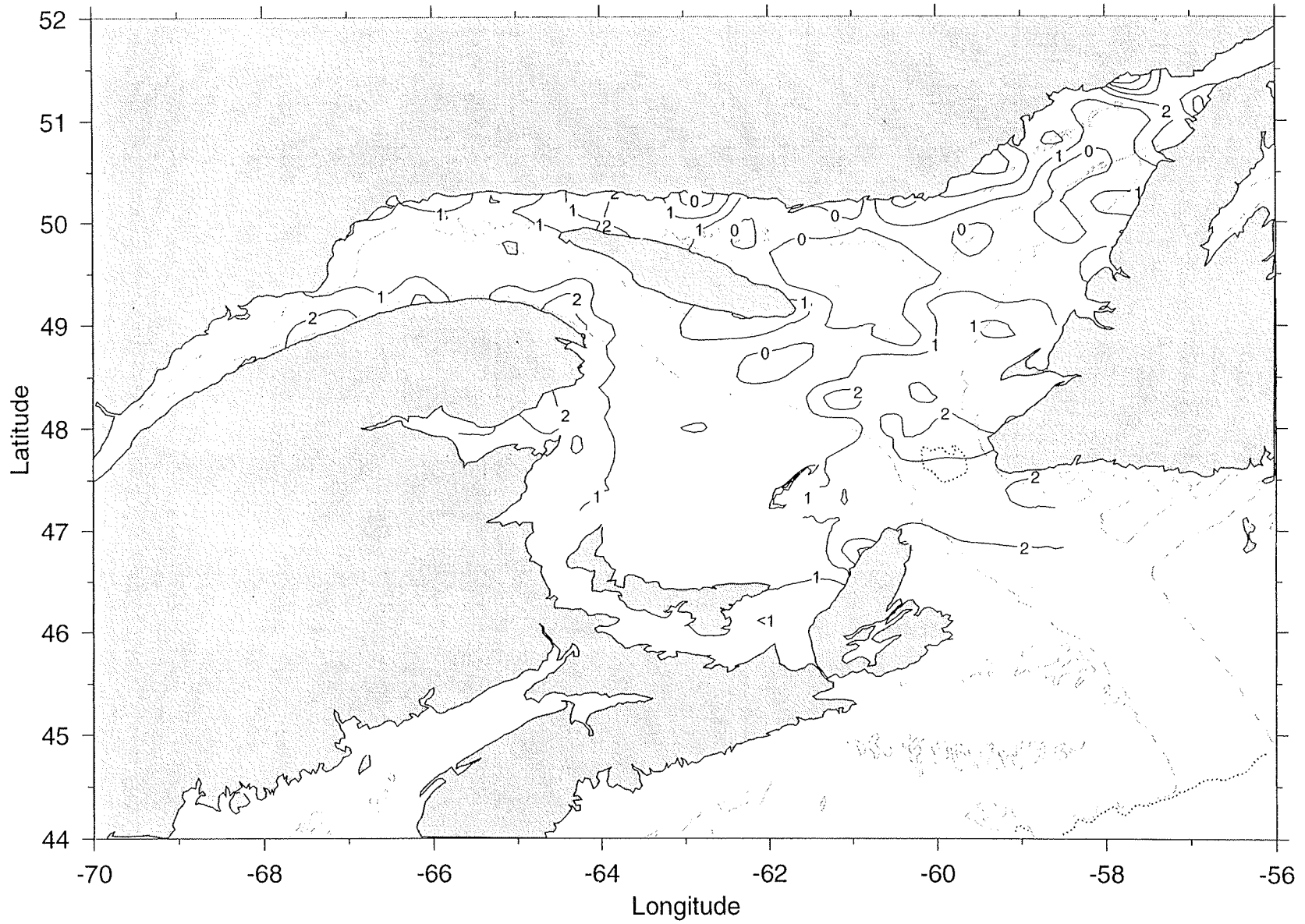
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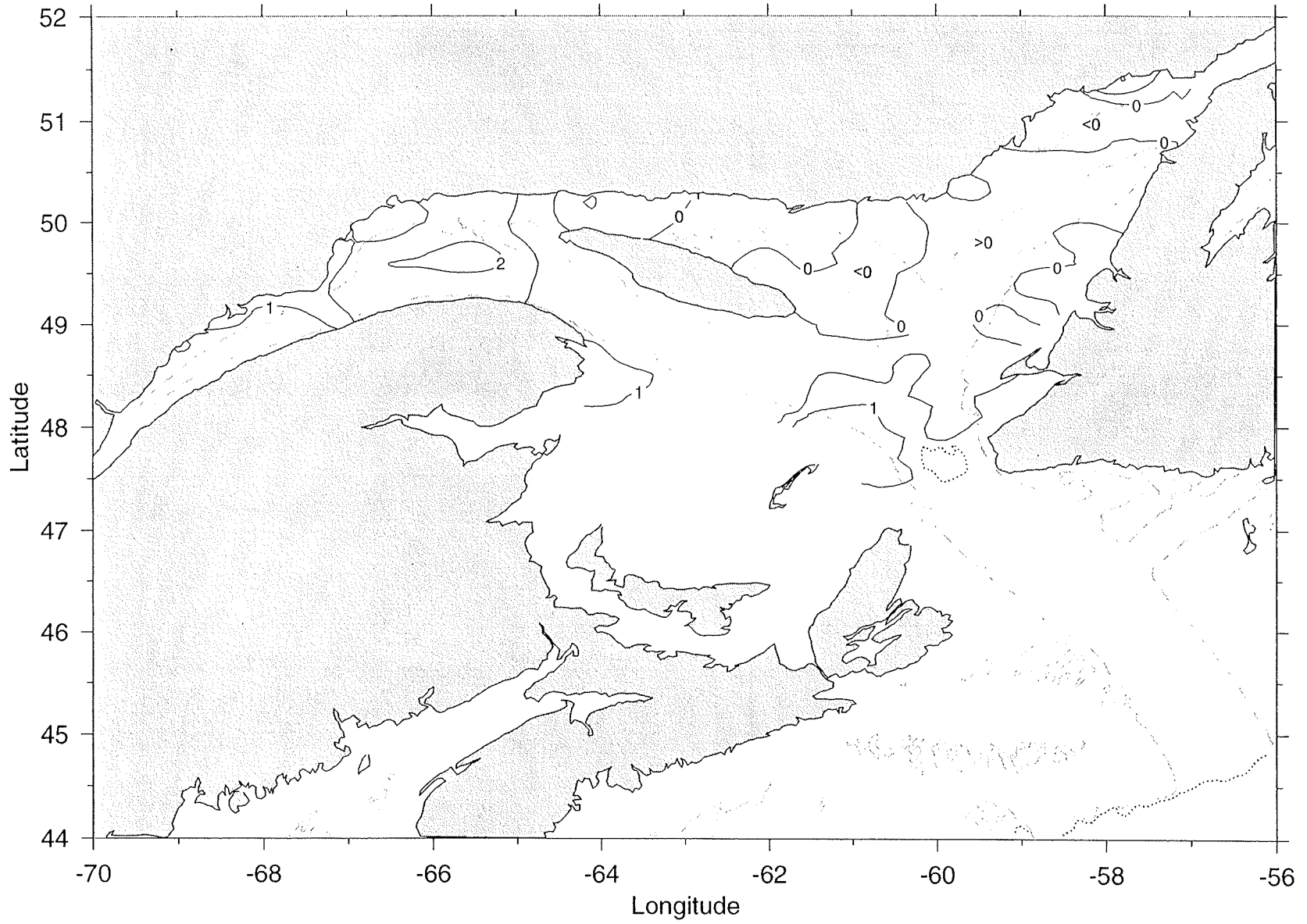
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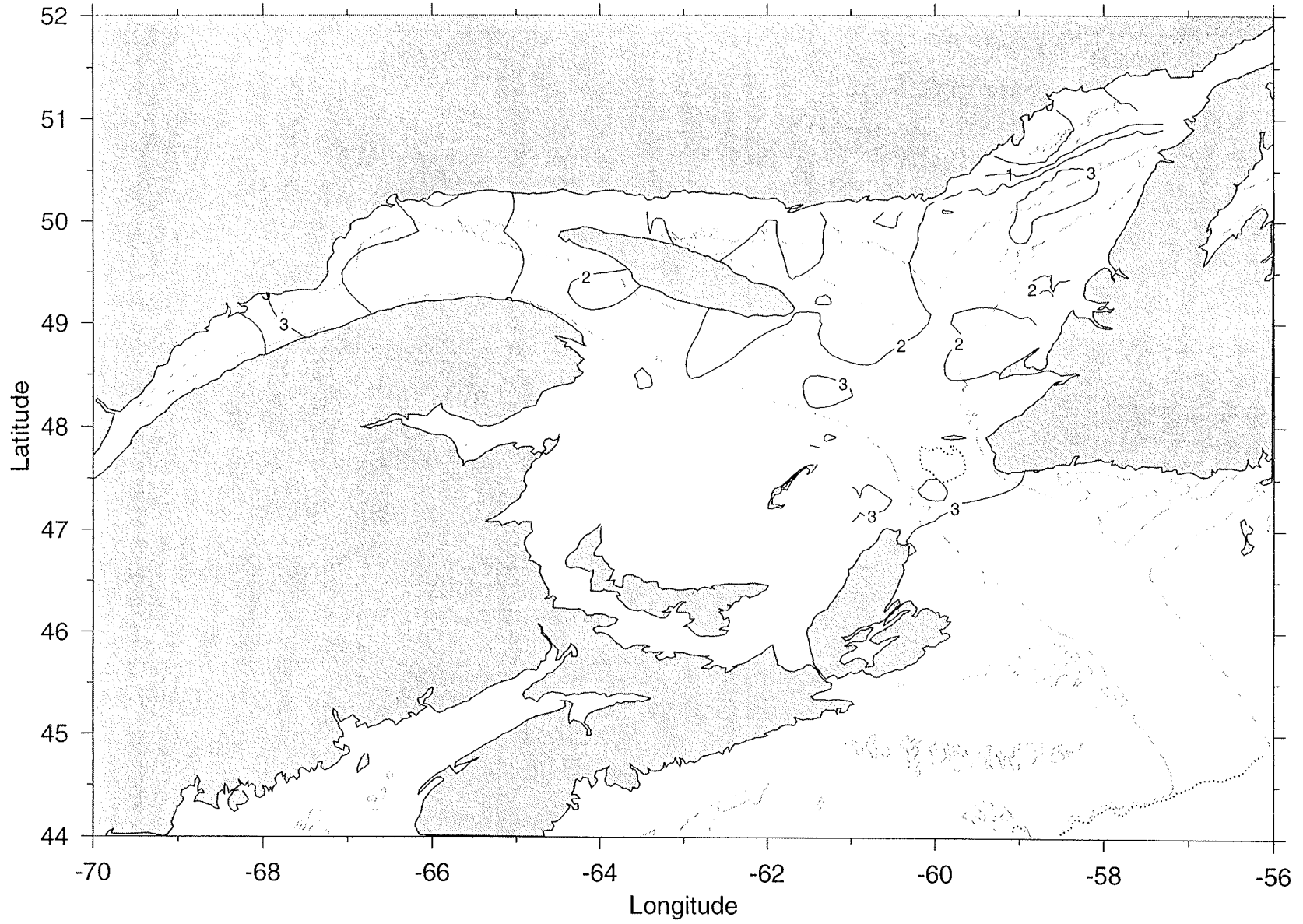
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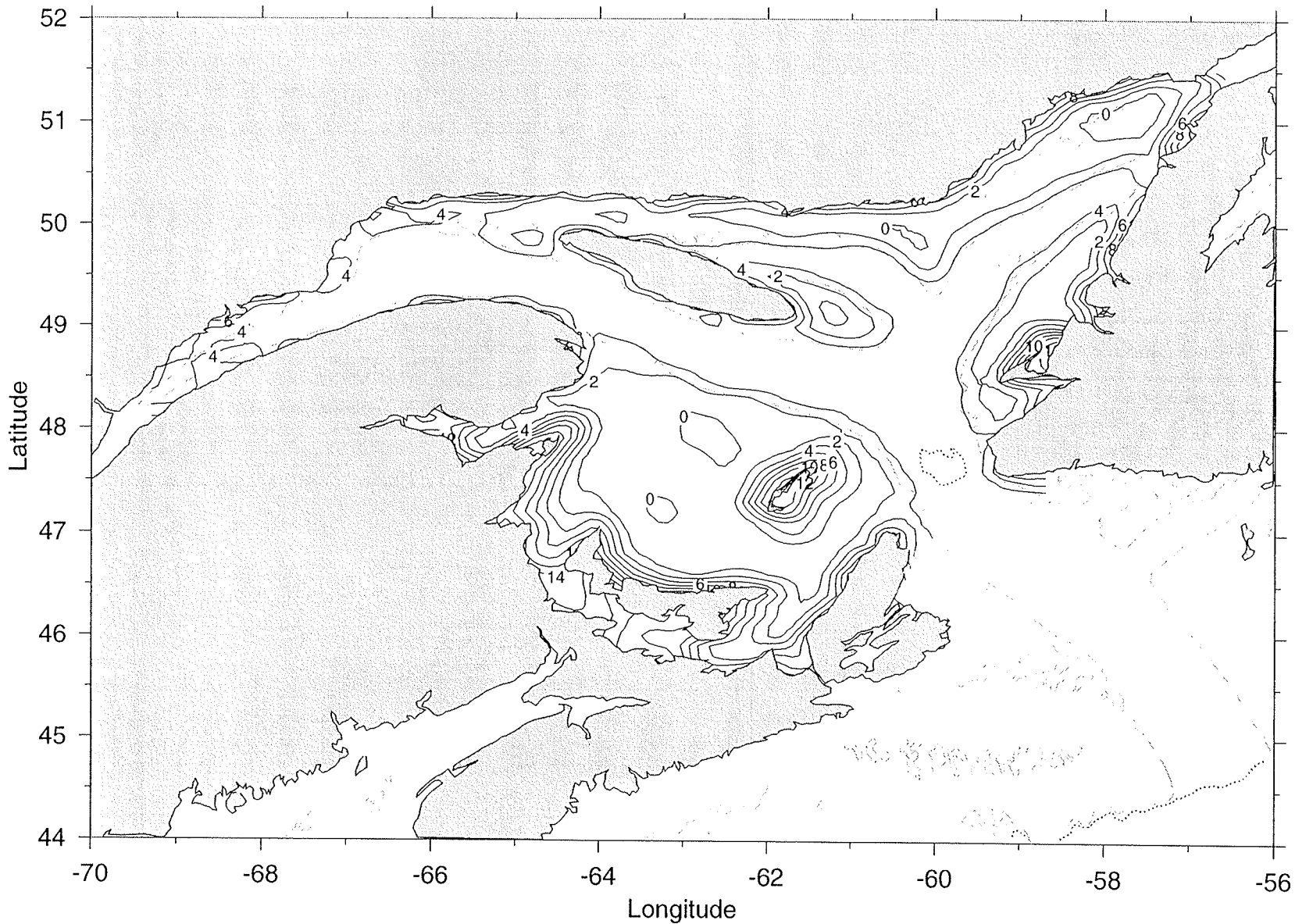
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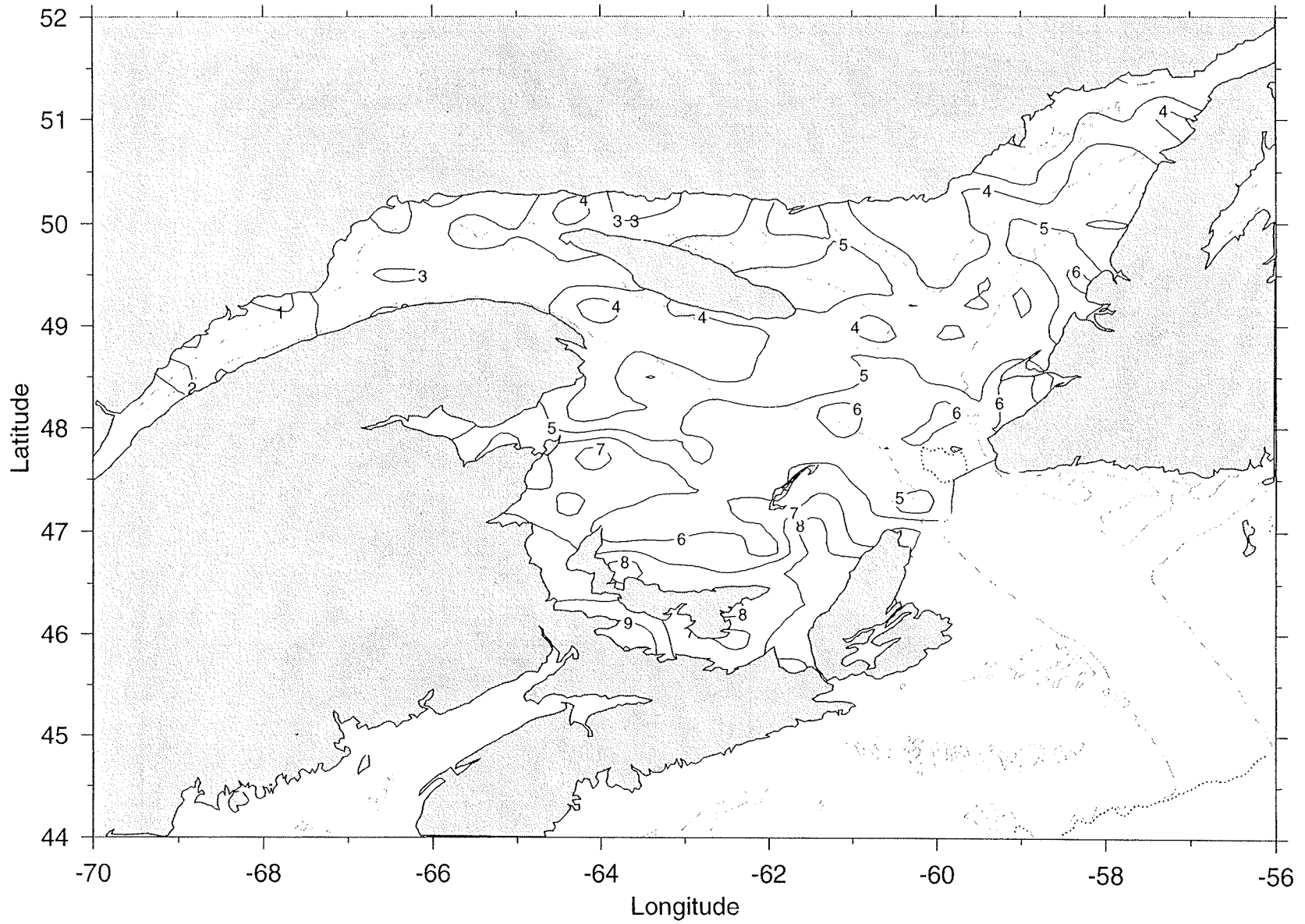
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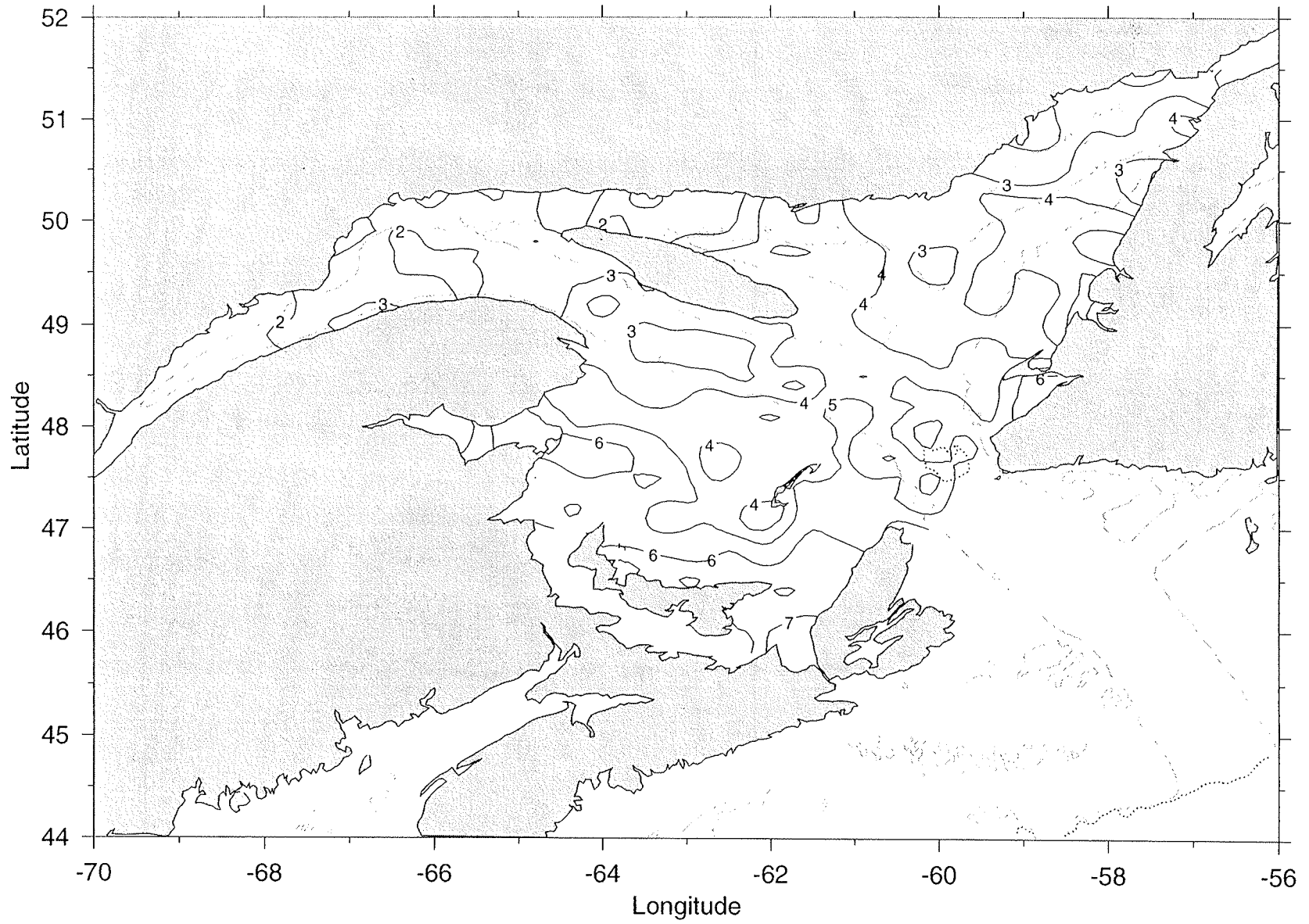
Bottom Temperature August 15



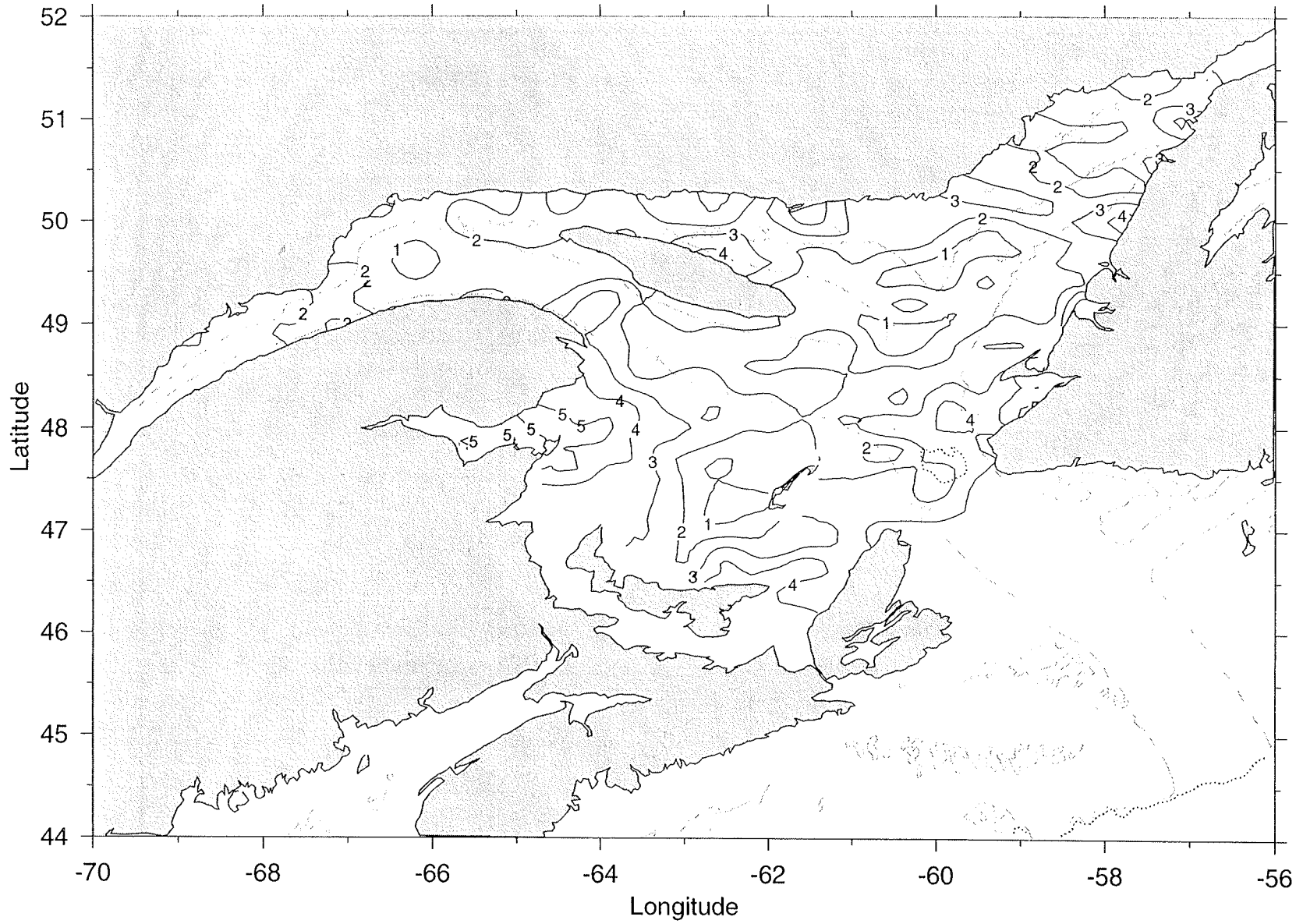
Temperature November 15 : 0 m



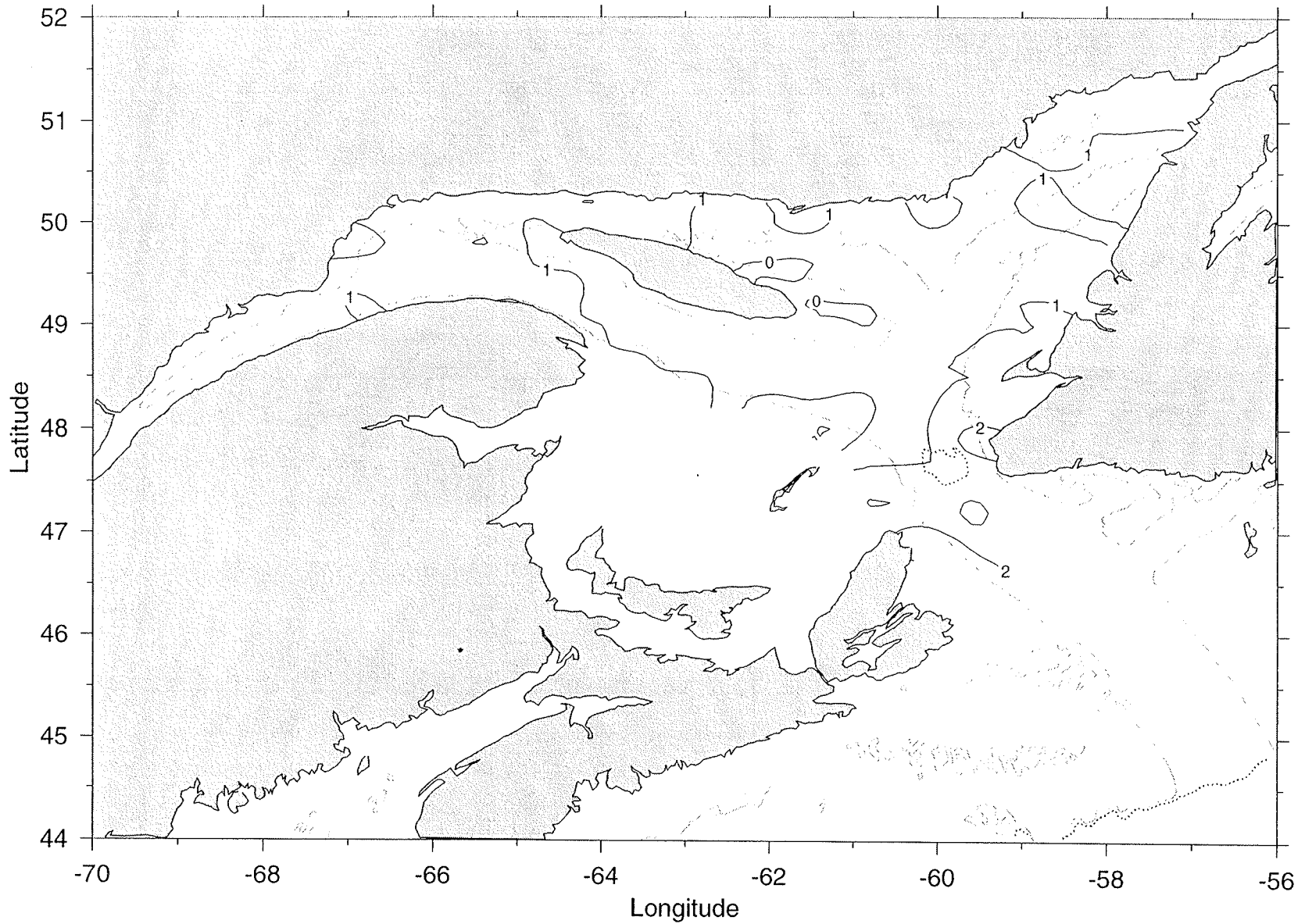
Temperature November 15 : 30 m



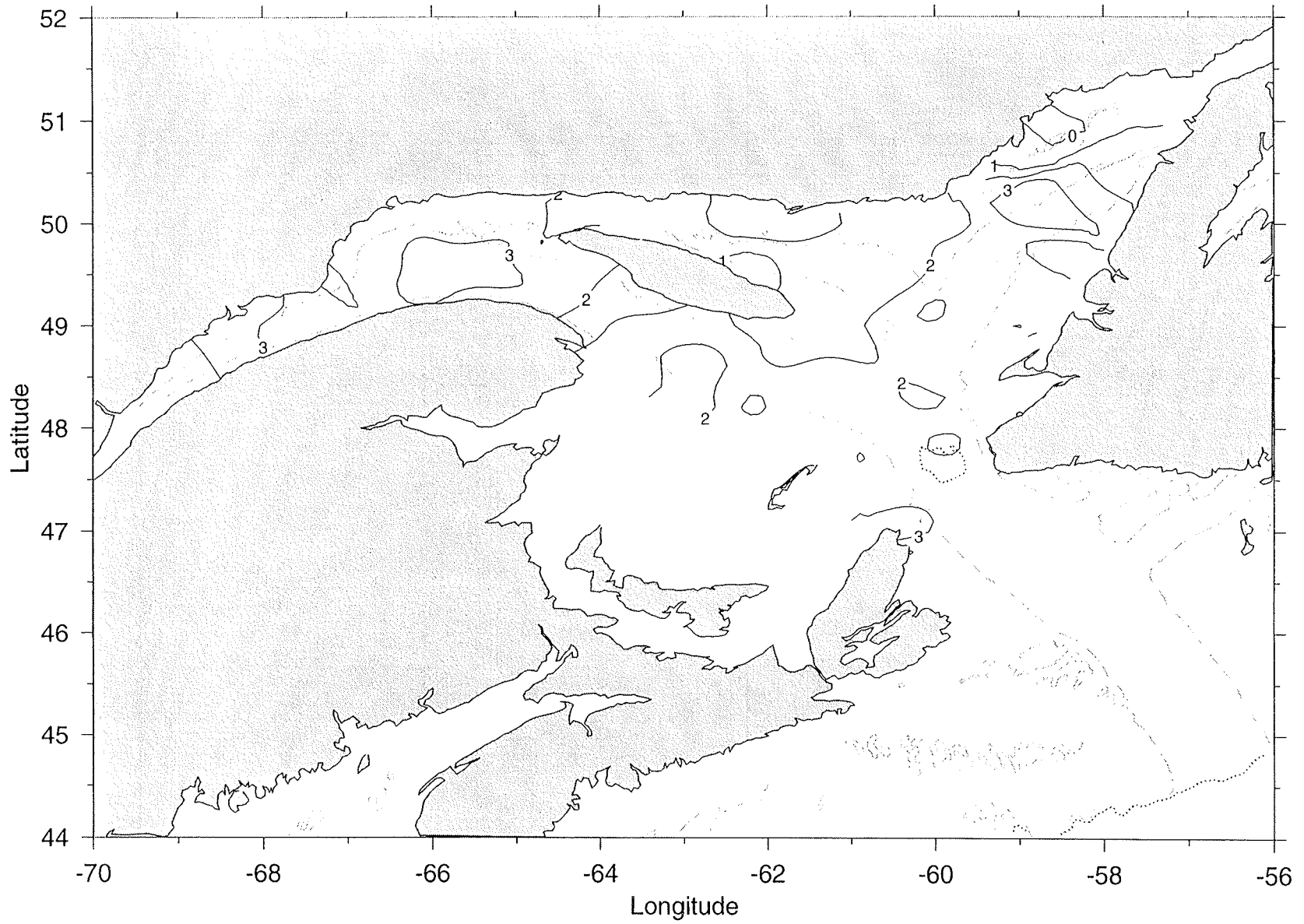
Temperature November 15 : 50 m



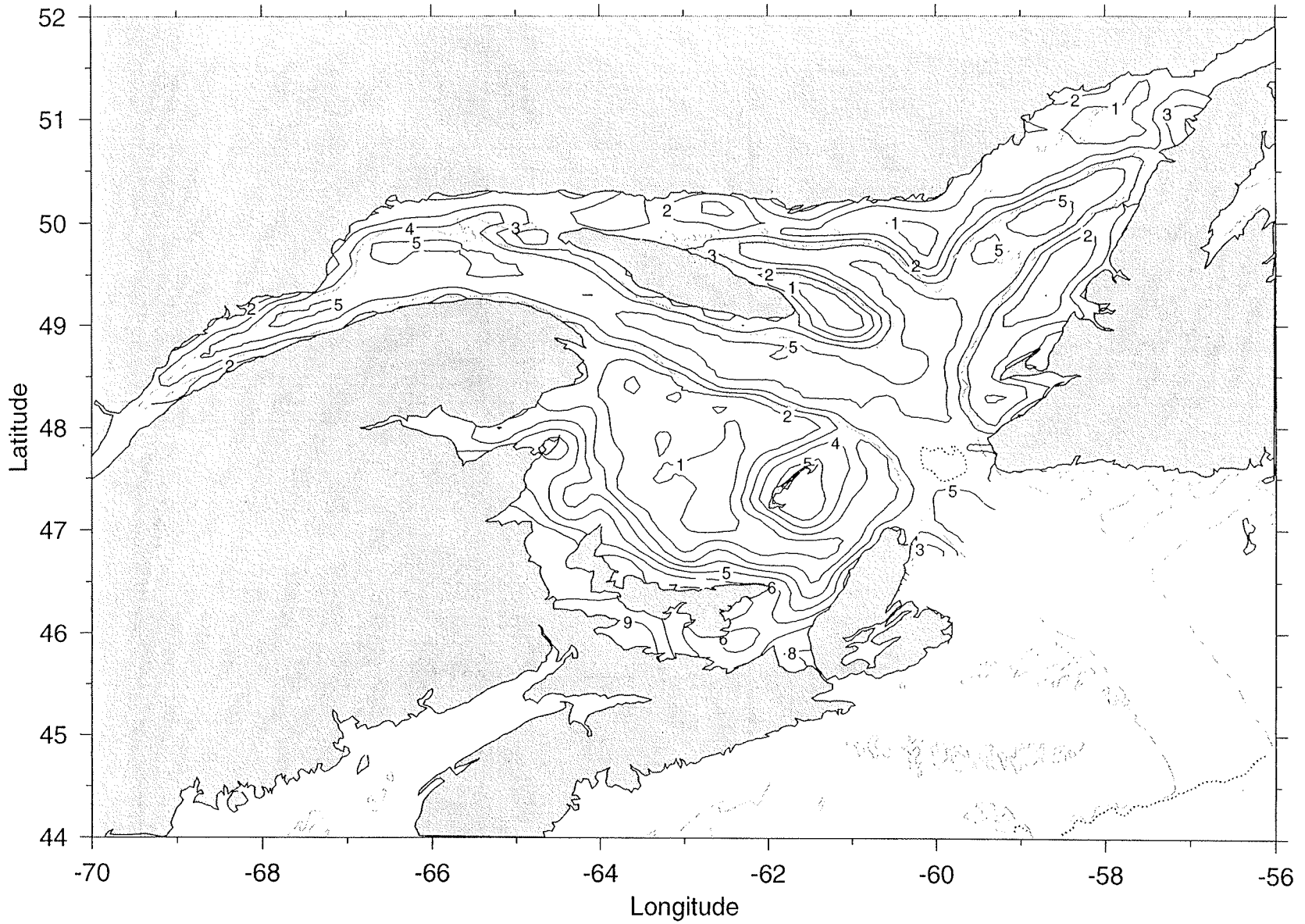
Temperature November 15 : 100m



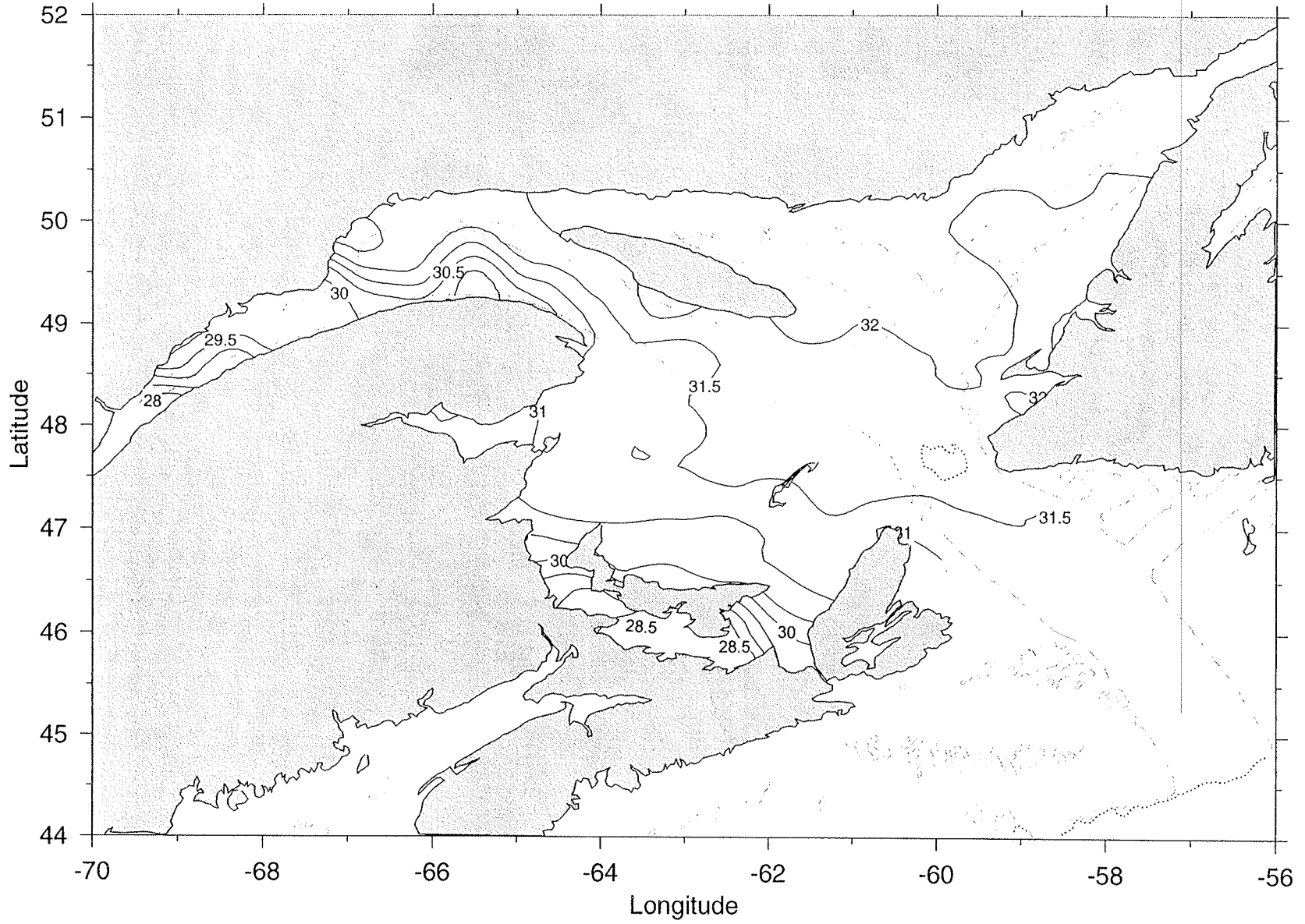
Temperature November 15 : 150m



Bottom Temperature November 15

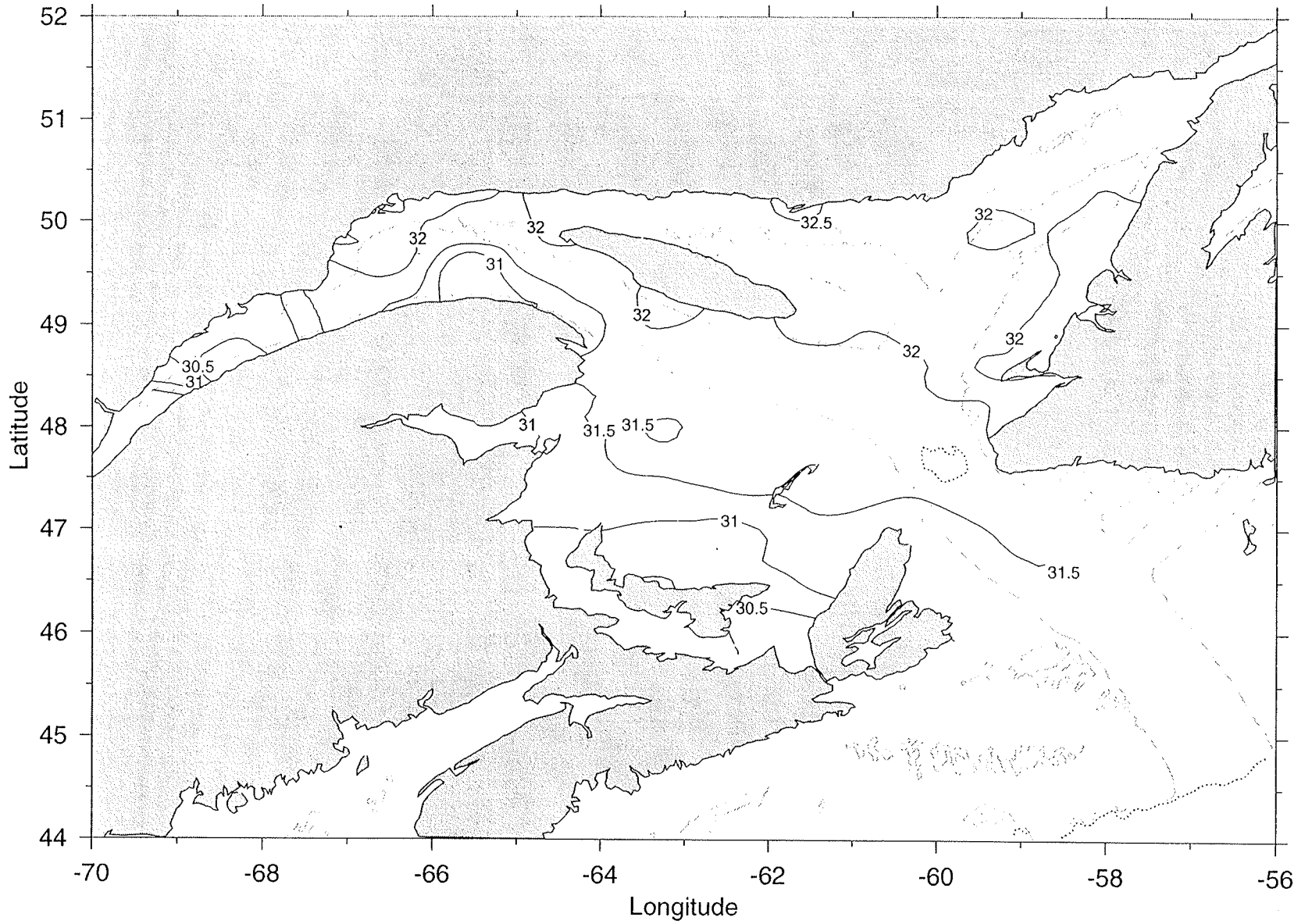


Salinity February 15 : 0 m

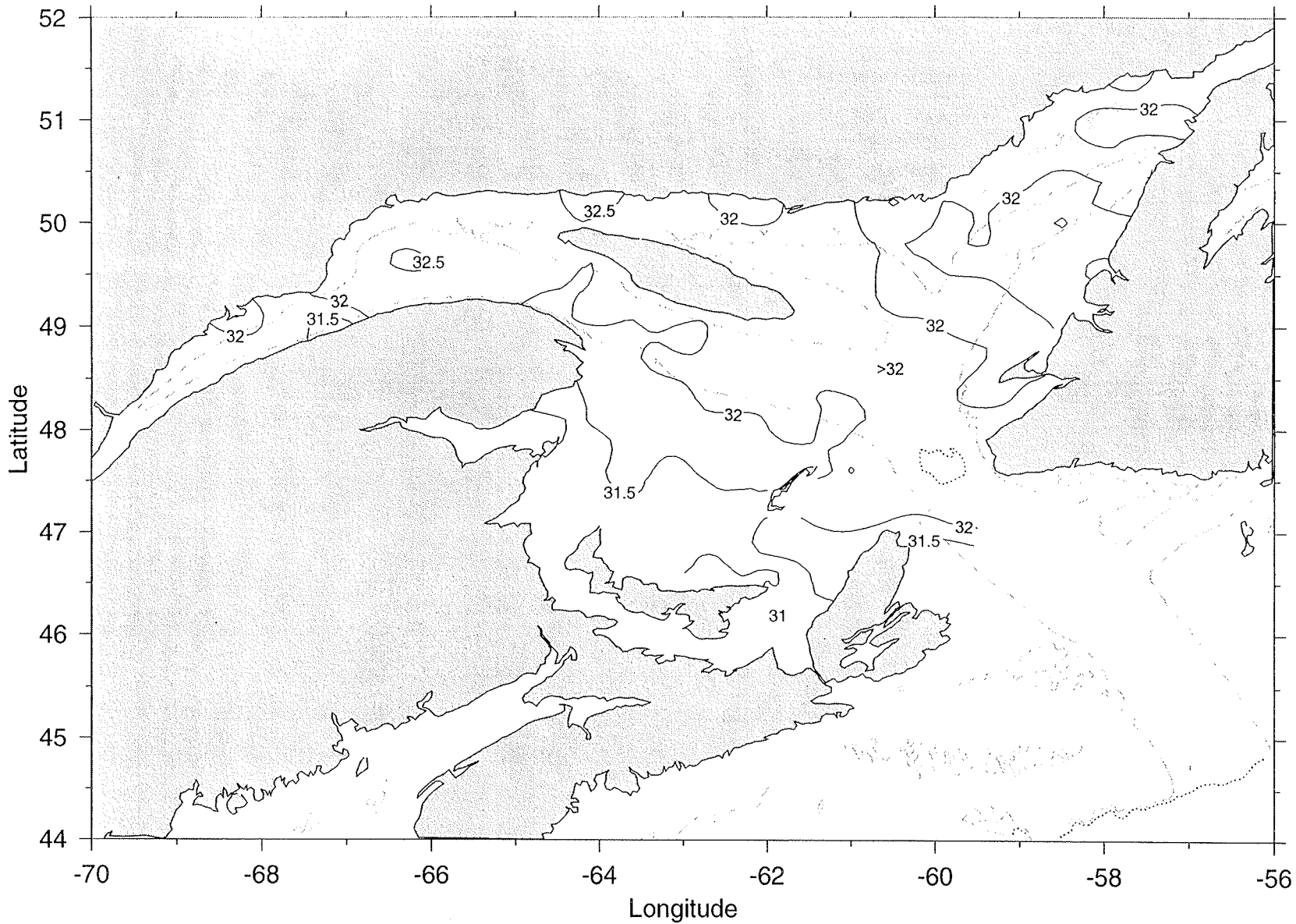


32

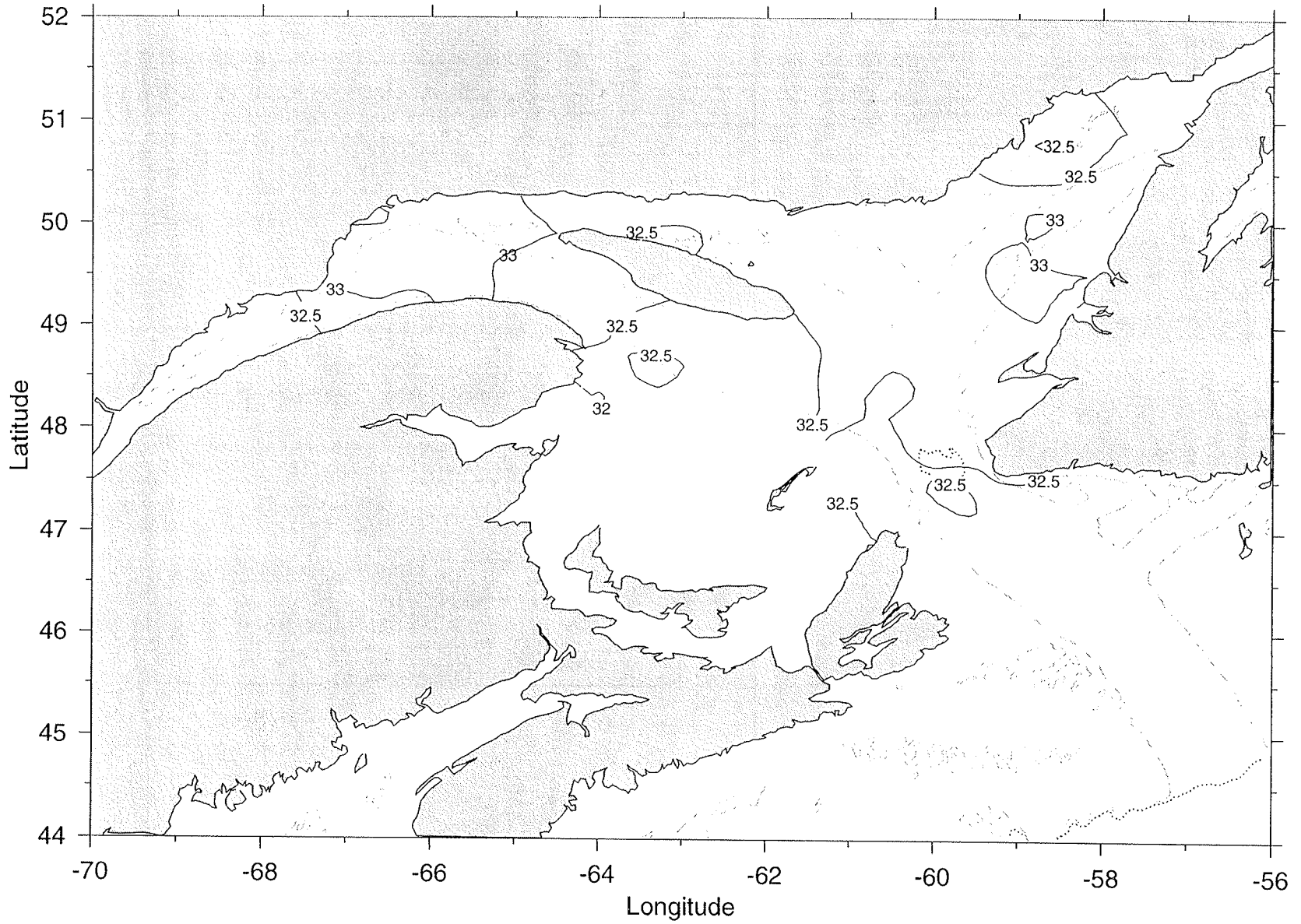
Salinity February 15 : 30 m



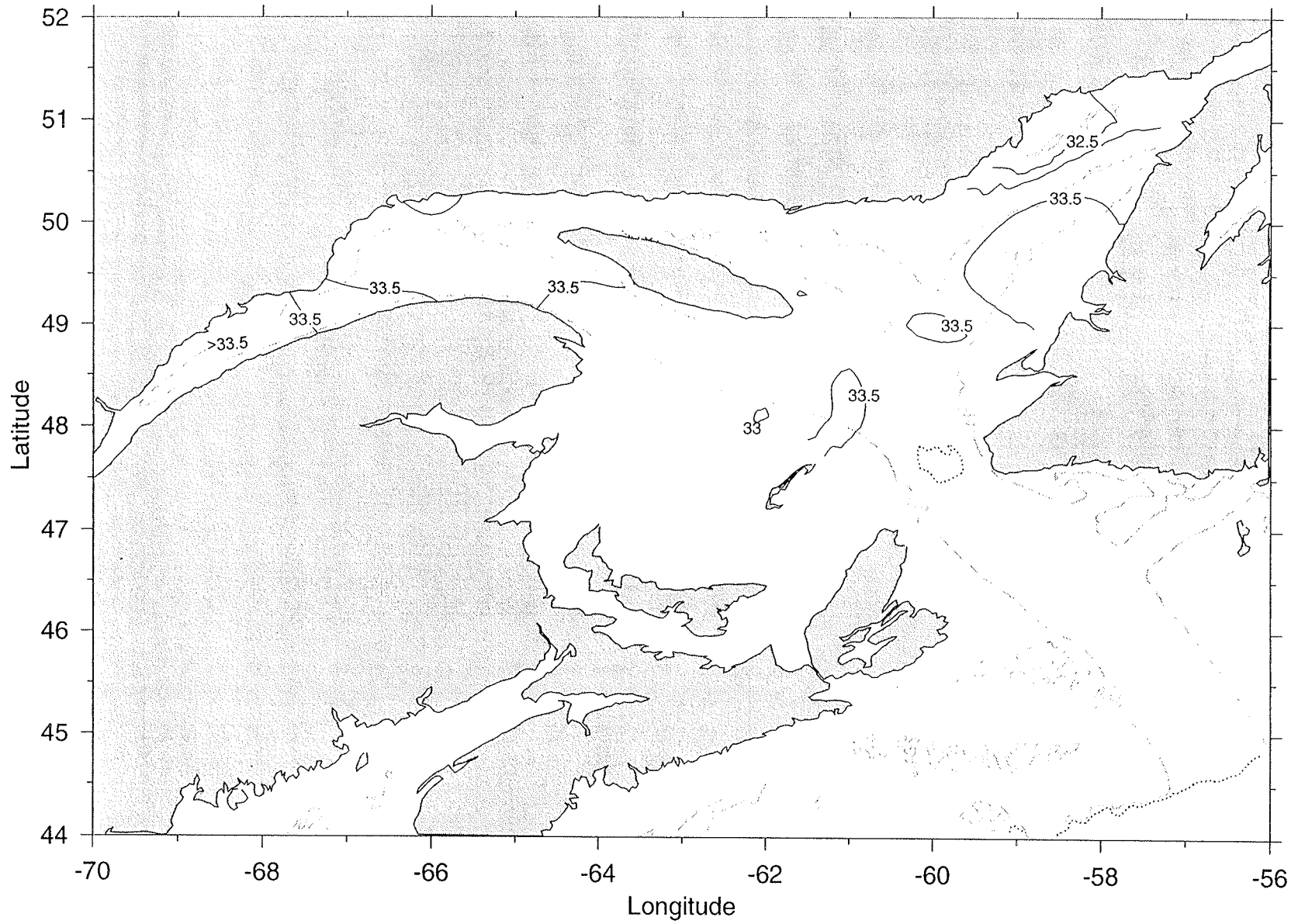
Salinity February 15 : 50 m



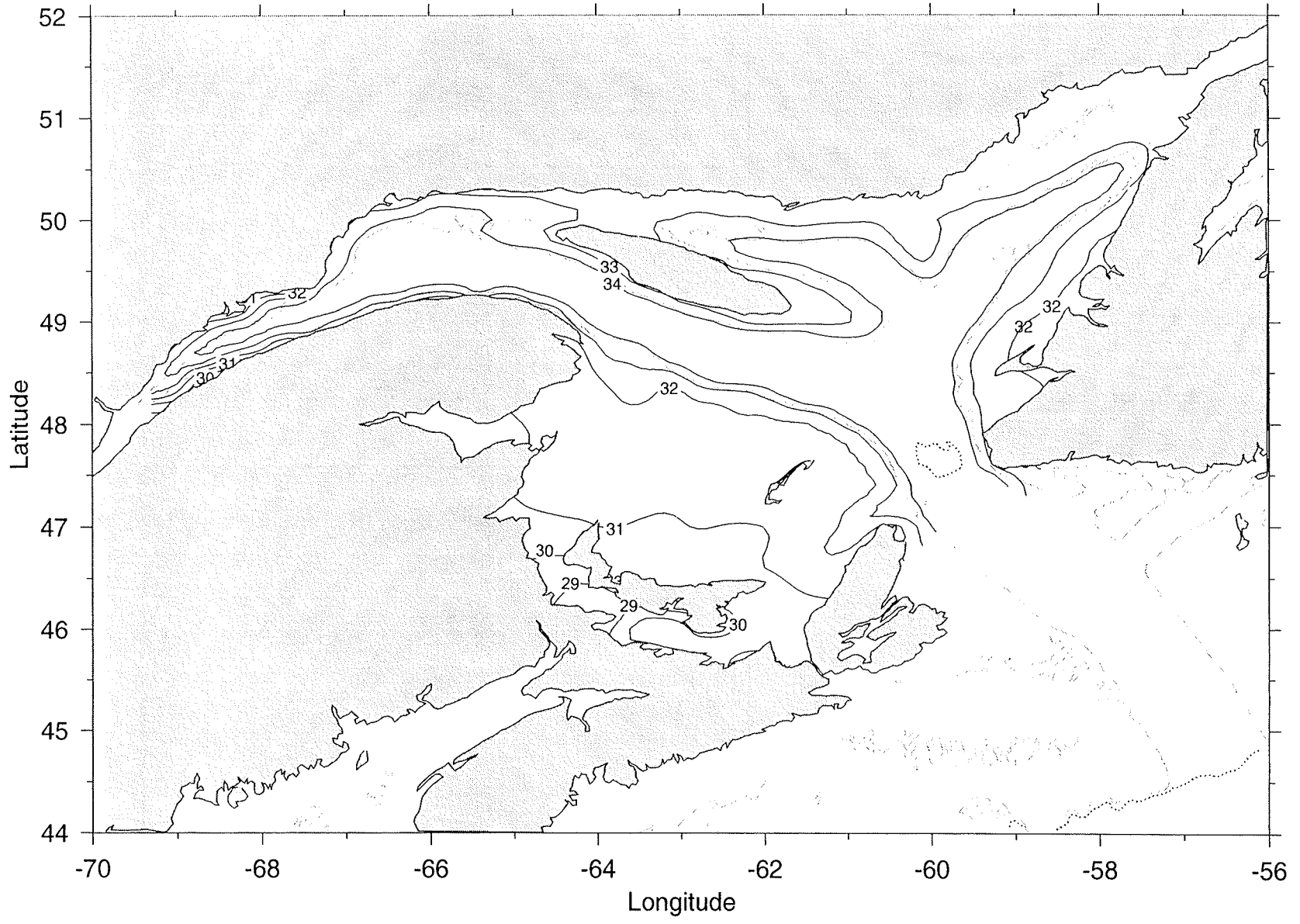
Salinity February 15 : 100m



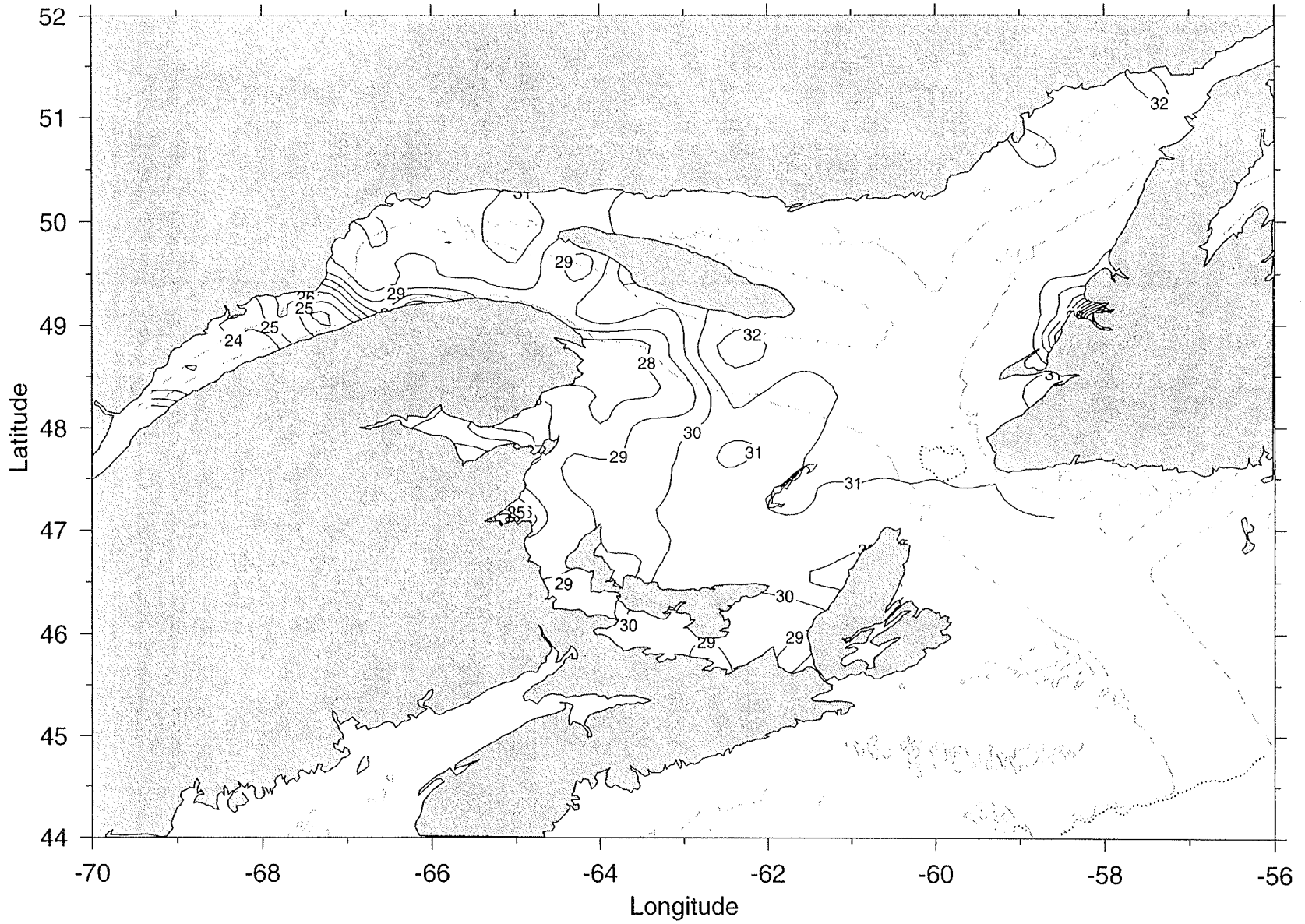
Salinity February 15 : 150m



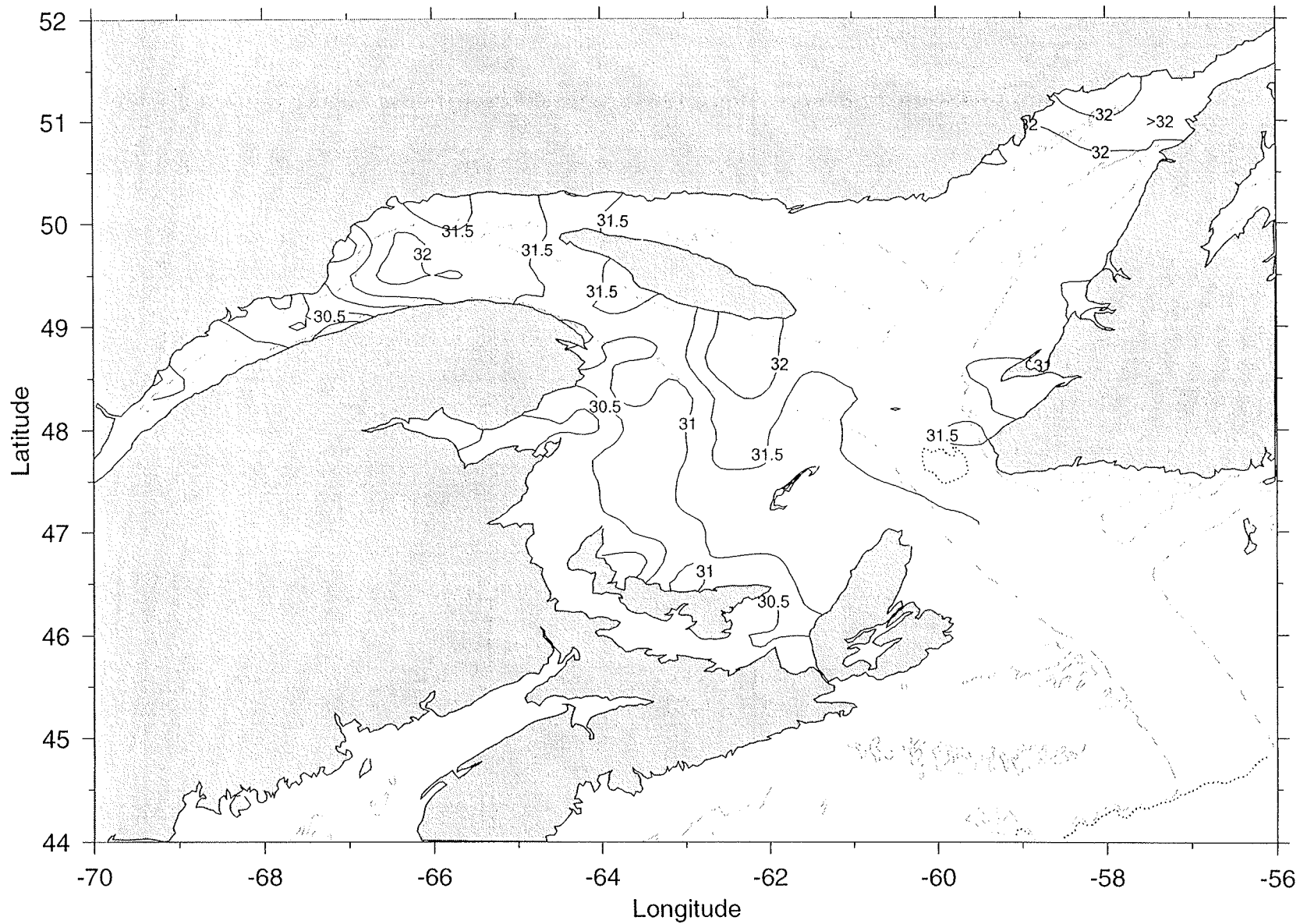
Bottom Salinity February 15



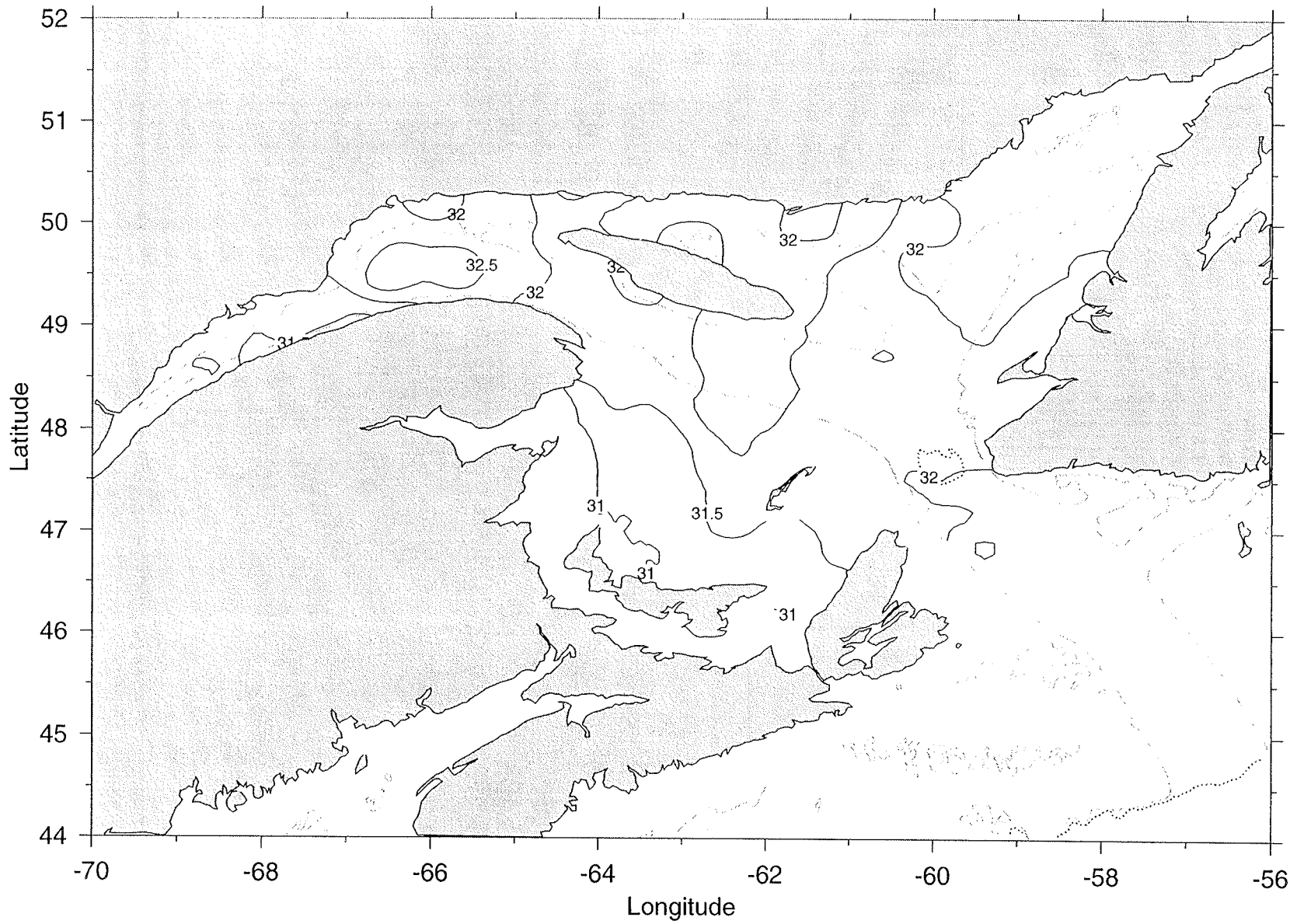
Salinity May 15 : 0 m



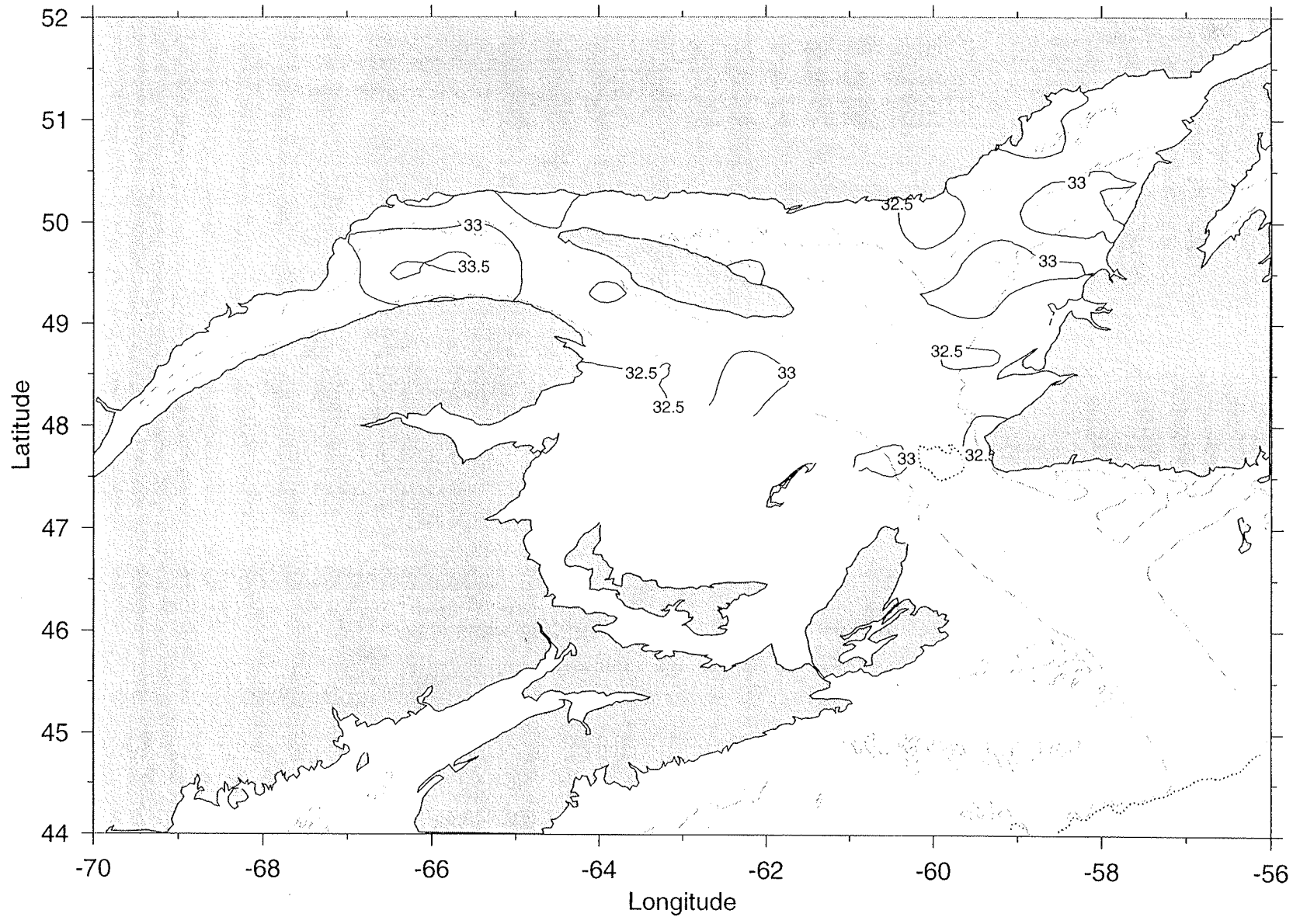
Salinity May 15 : 30 m



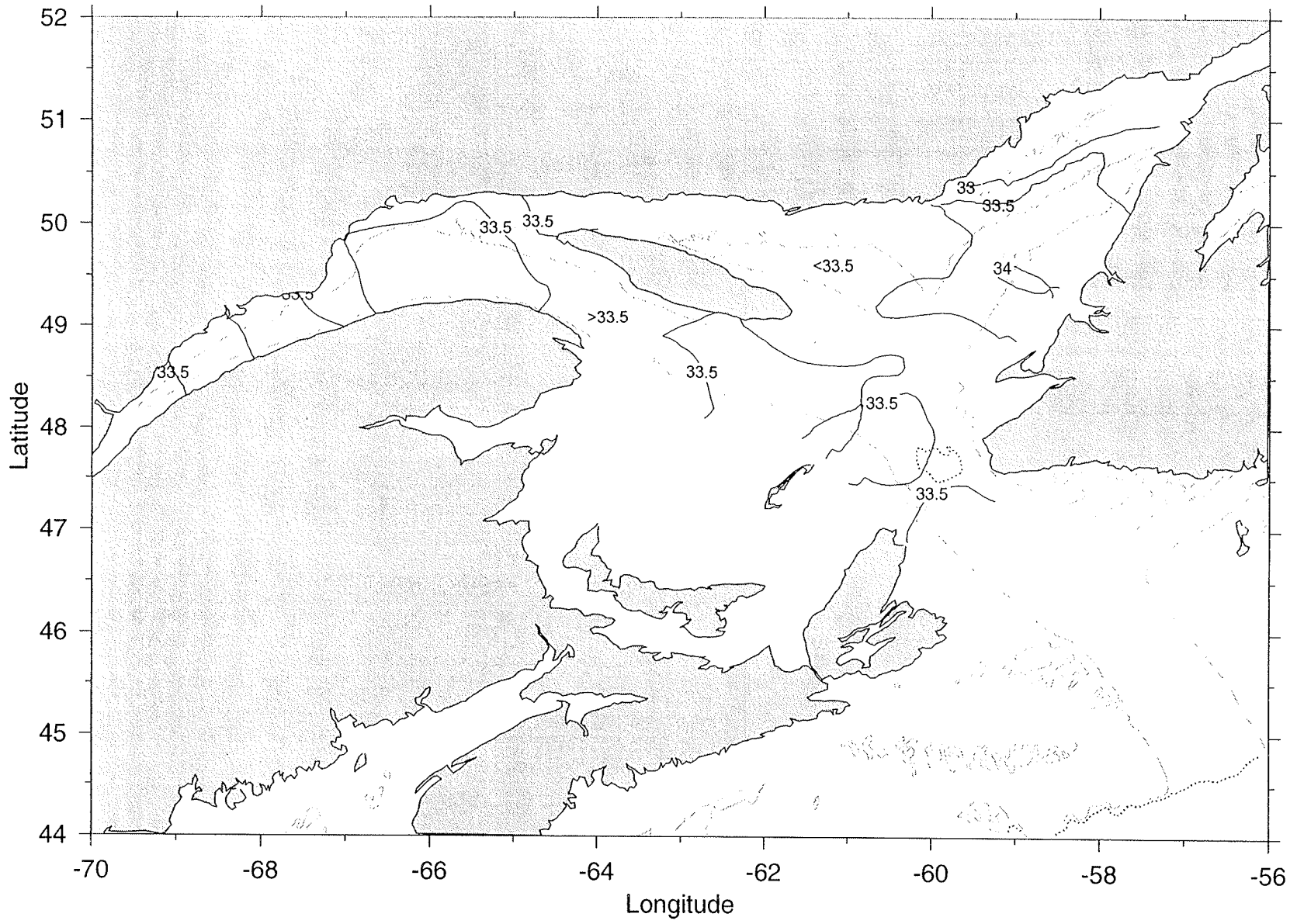
Salinity May 15 : 50 m



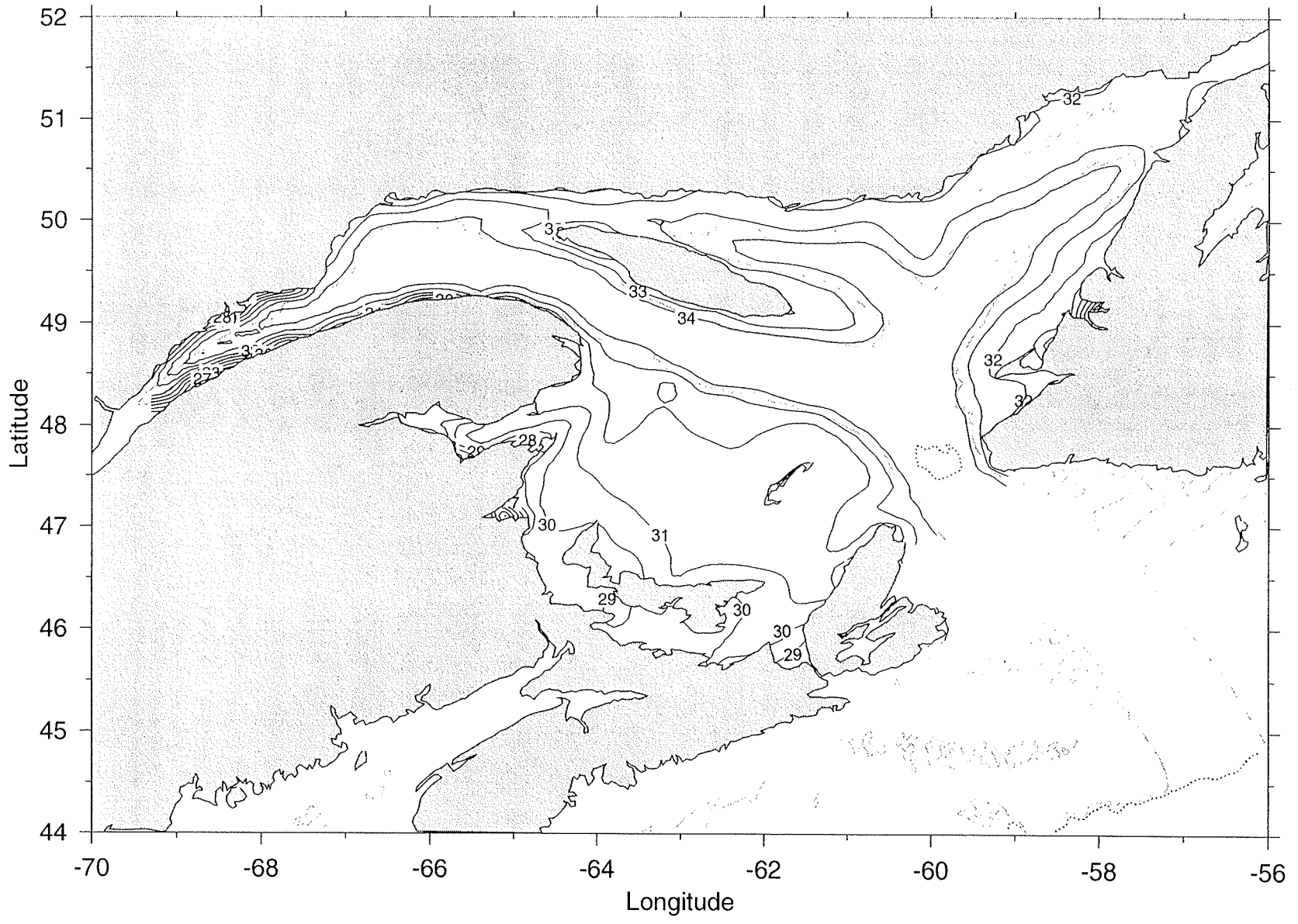
Salinity May 15 : 100m



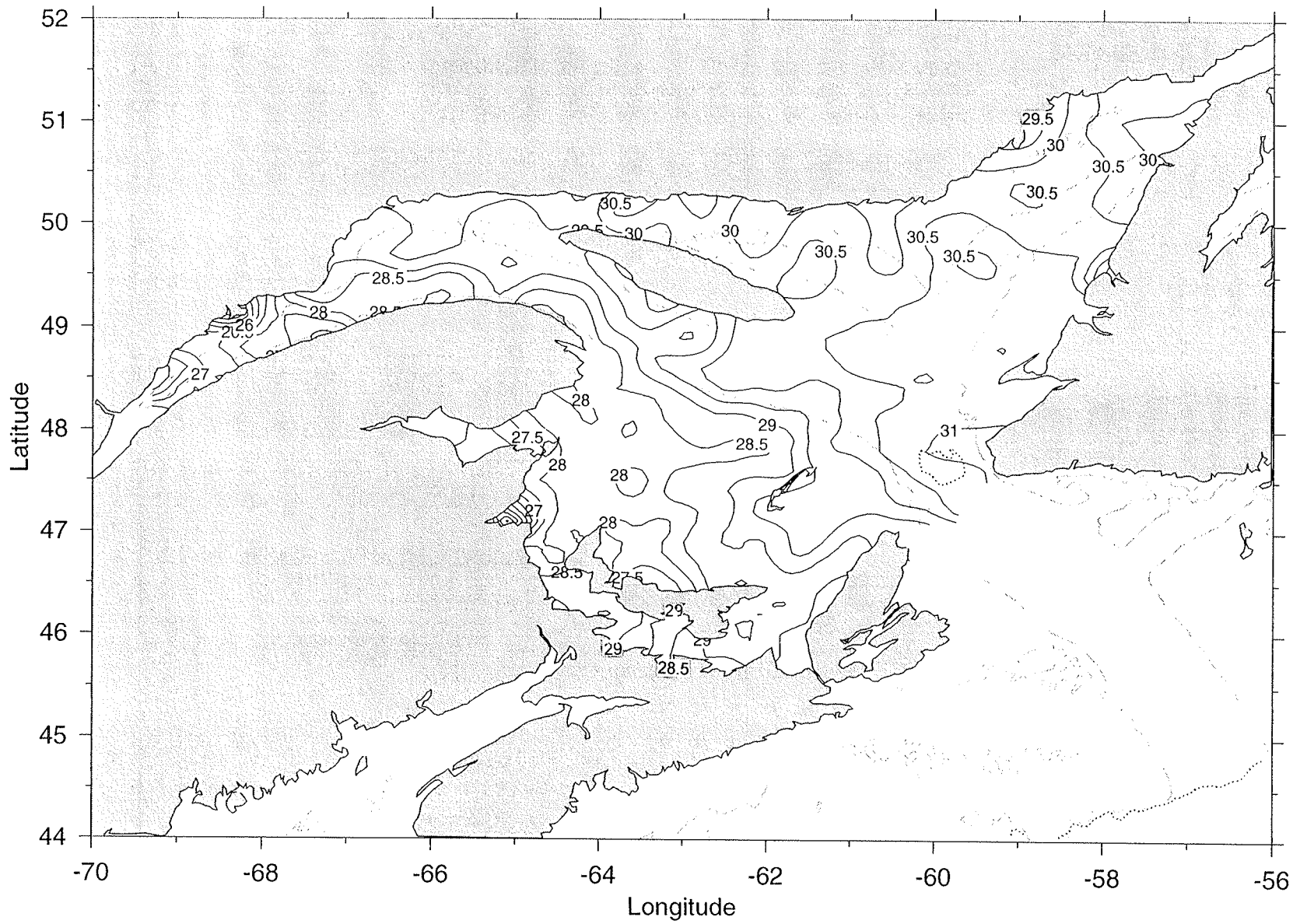
Salinity May 15 : 150m



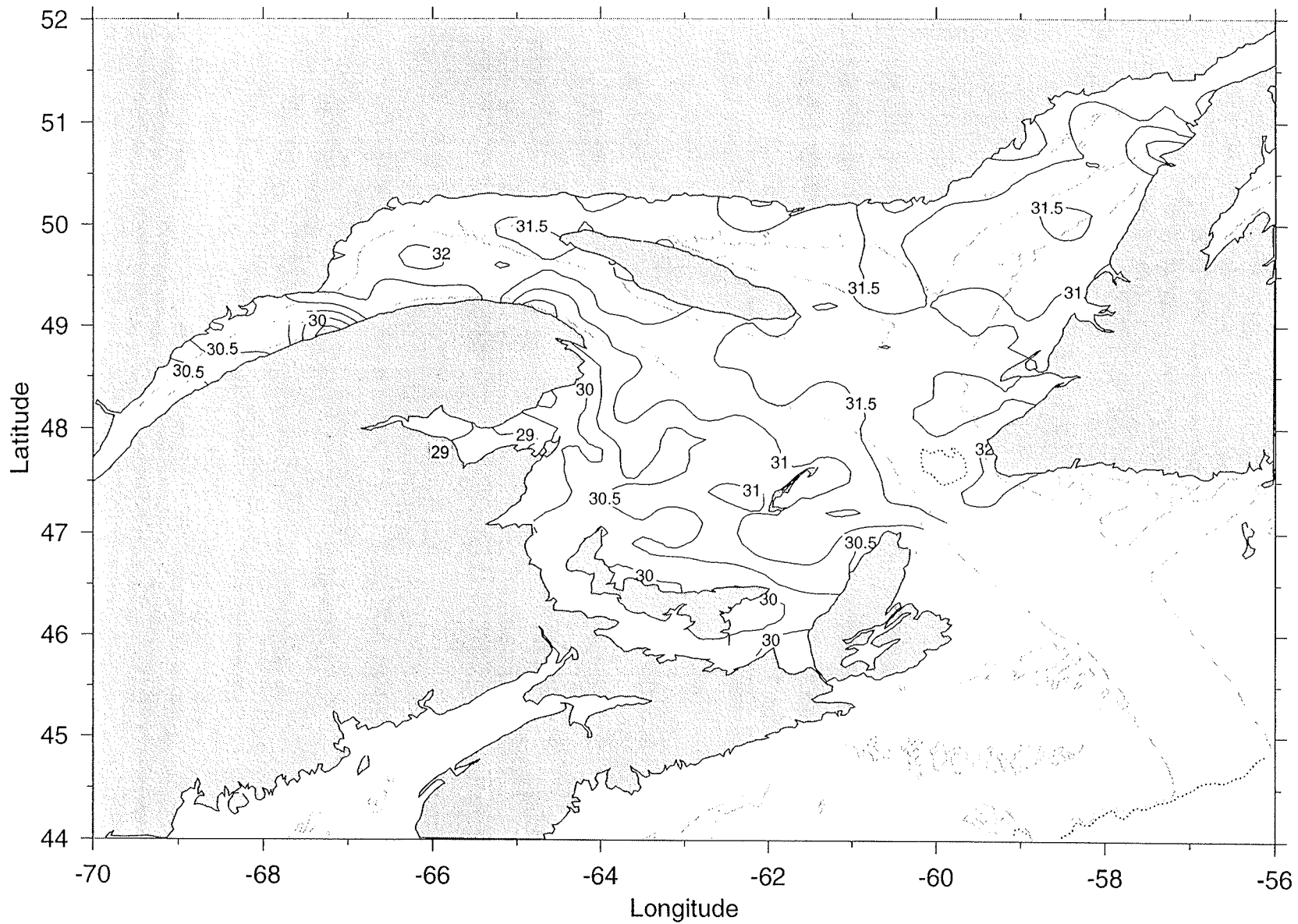
Bottom Salinity May 15



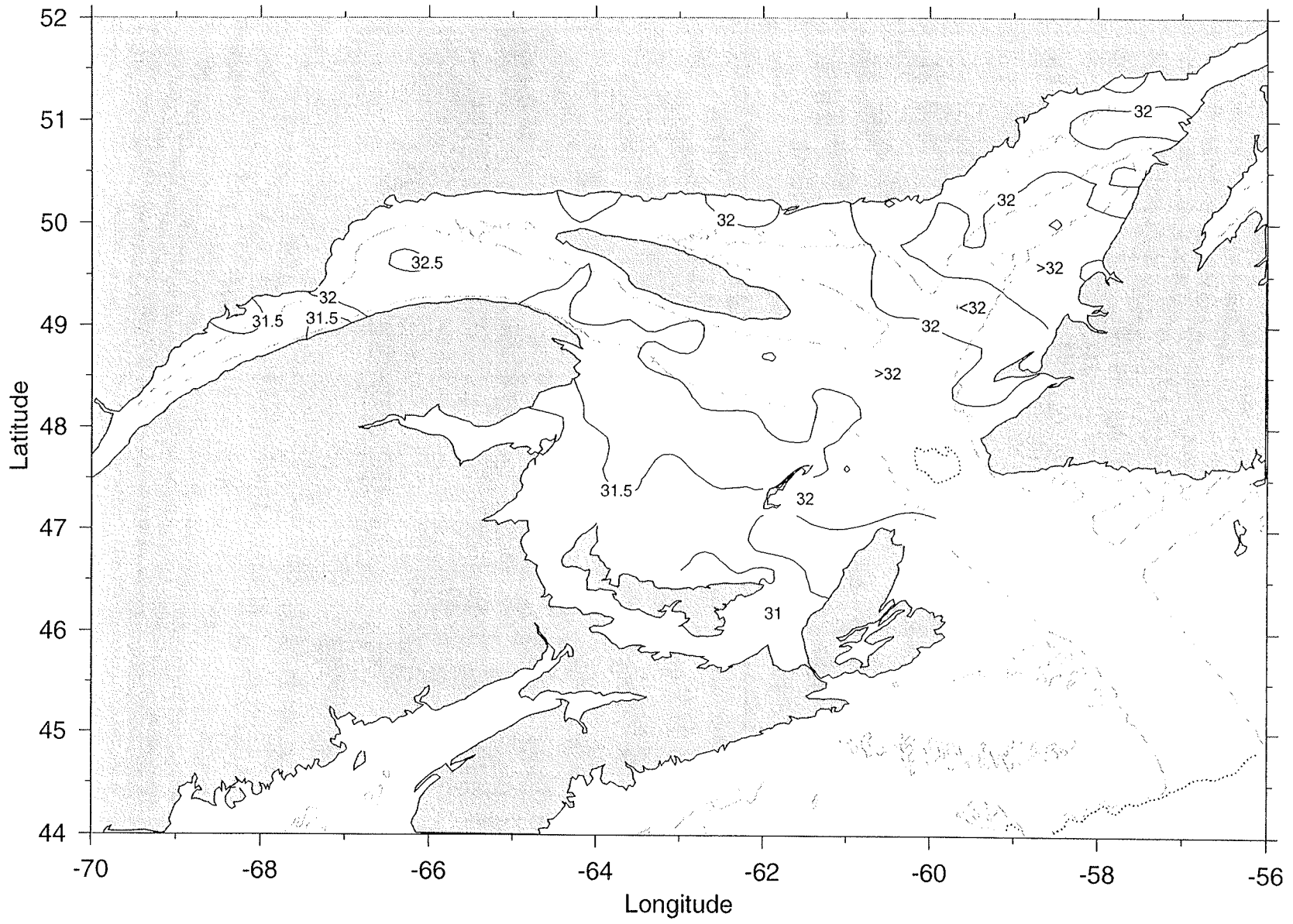
Salinity August 15 : 0 m



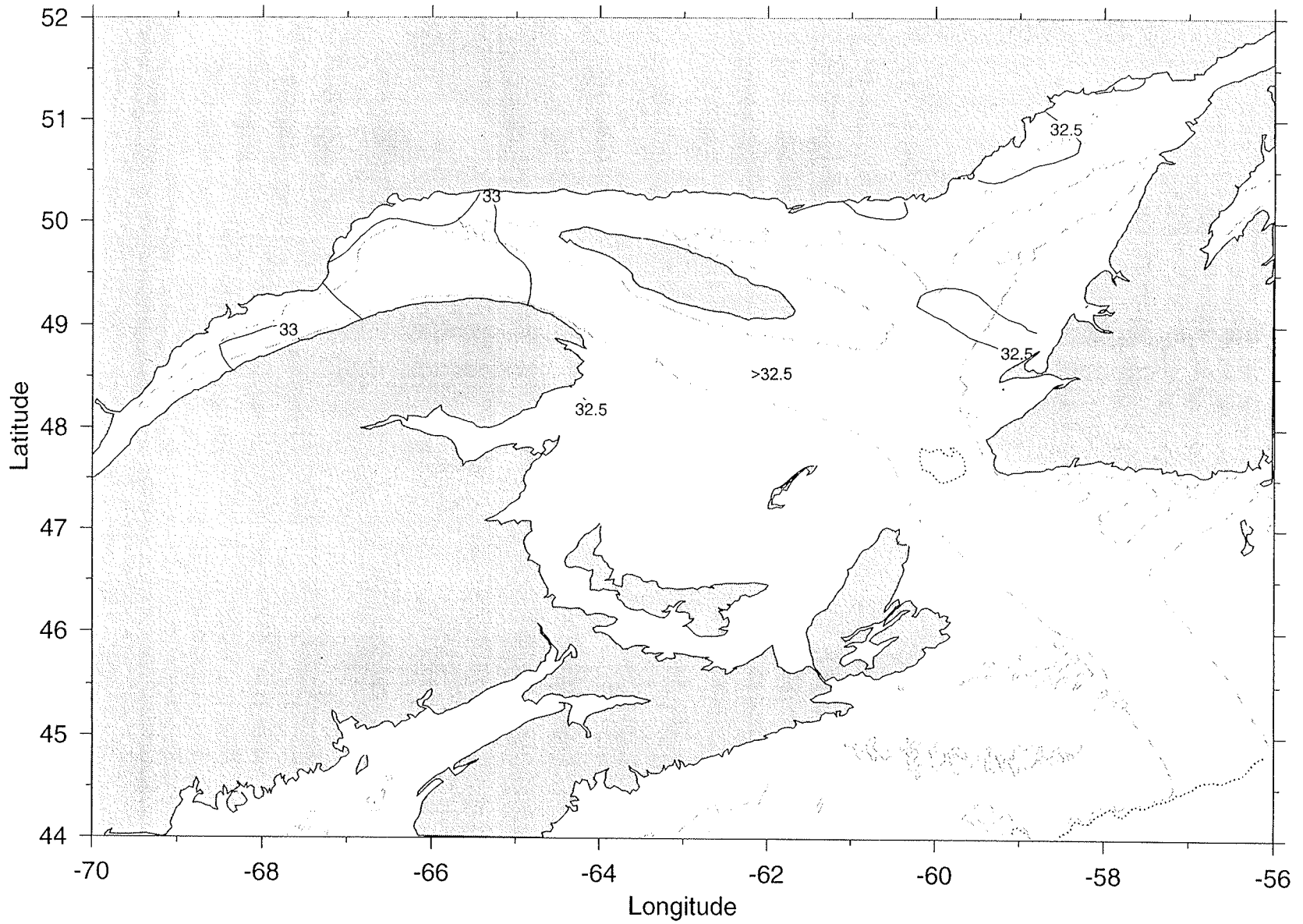
Salinity August 15 : 30 m



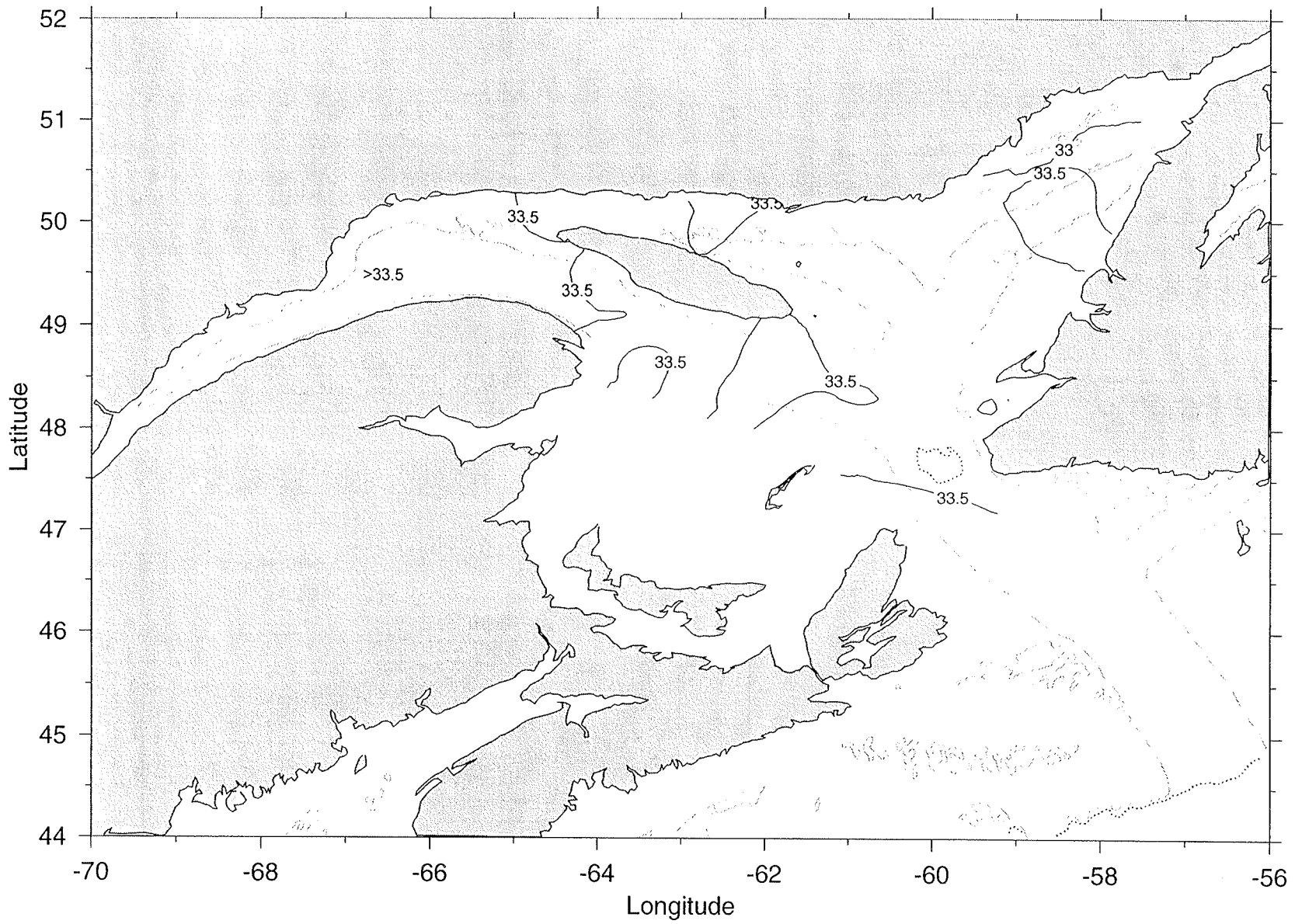
Salinity August 15 : 50 m



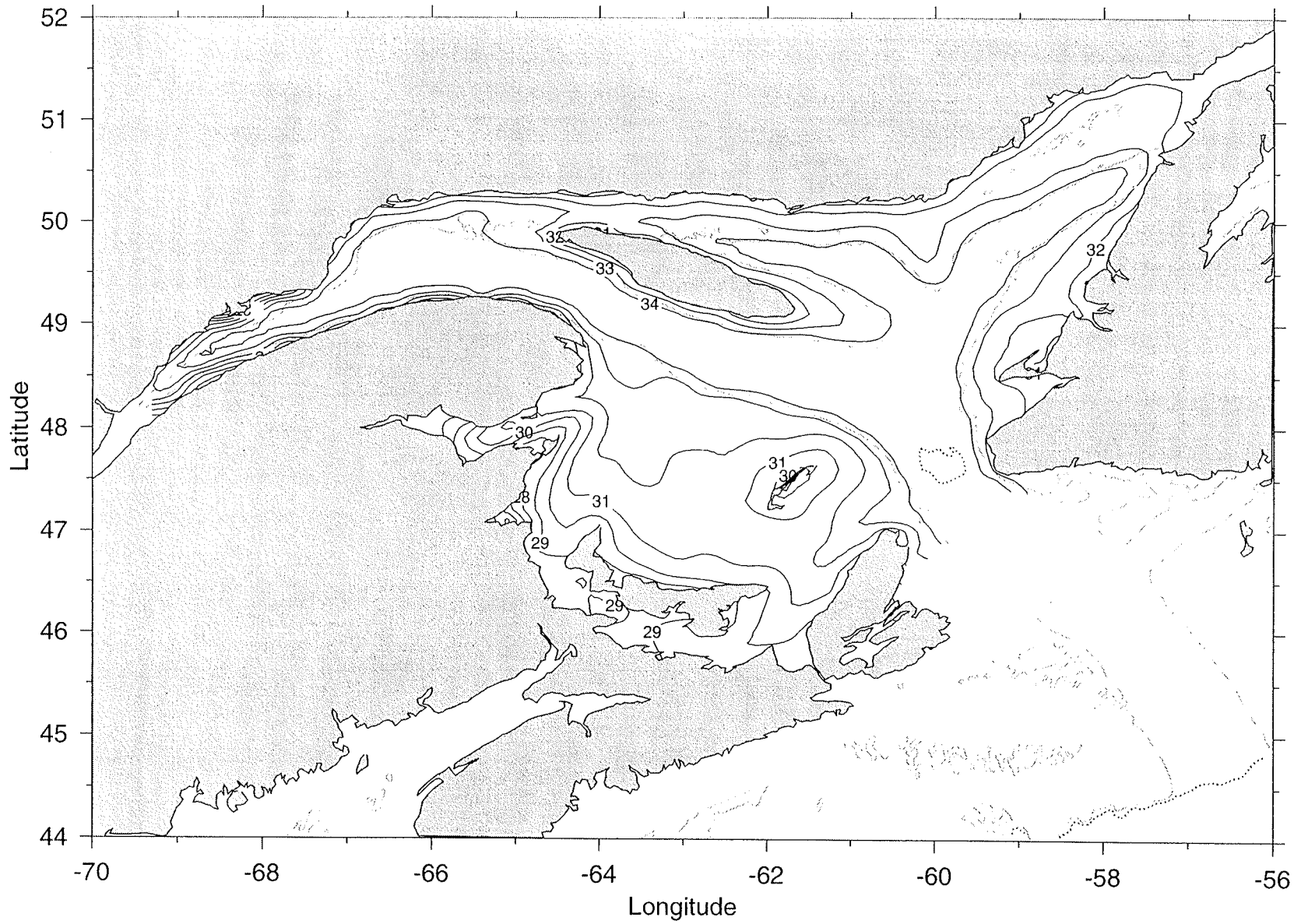
Salinity August 15 : 100m



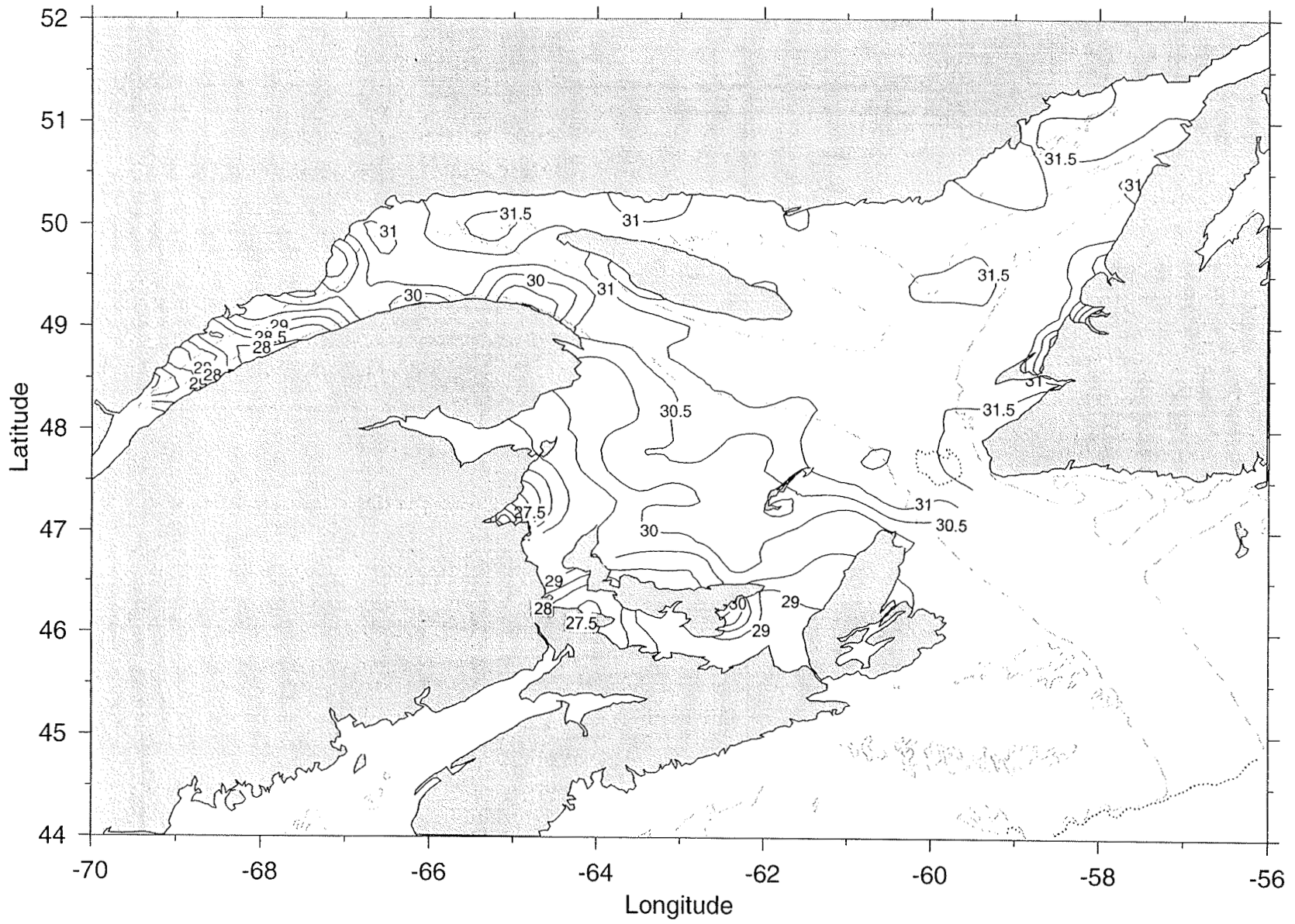
Salinity August 15 : 150m



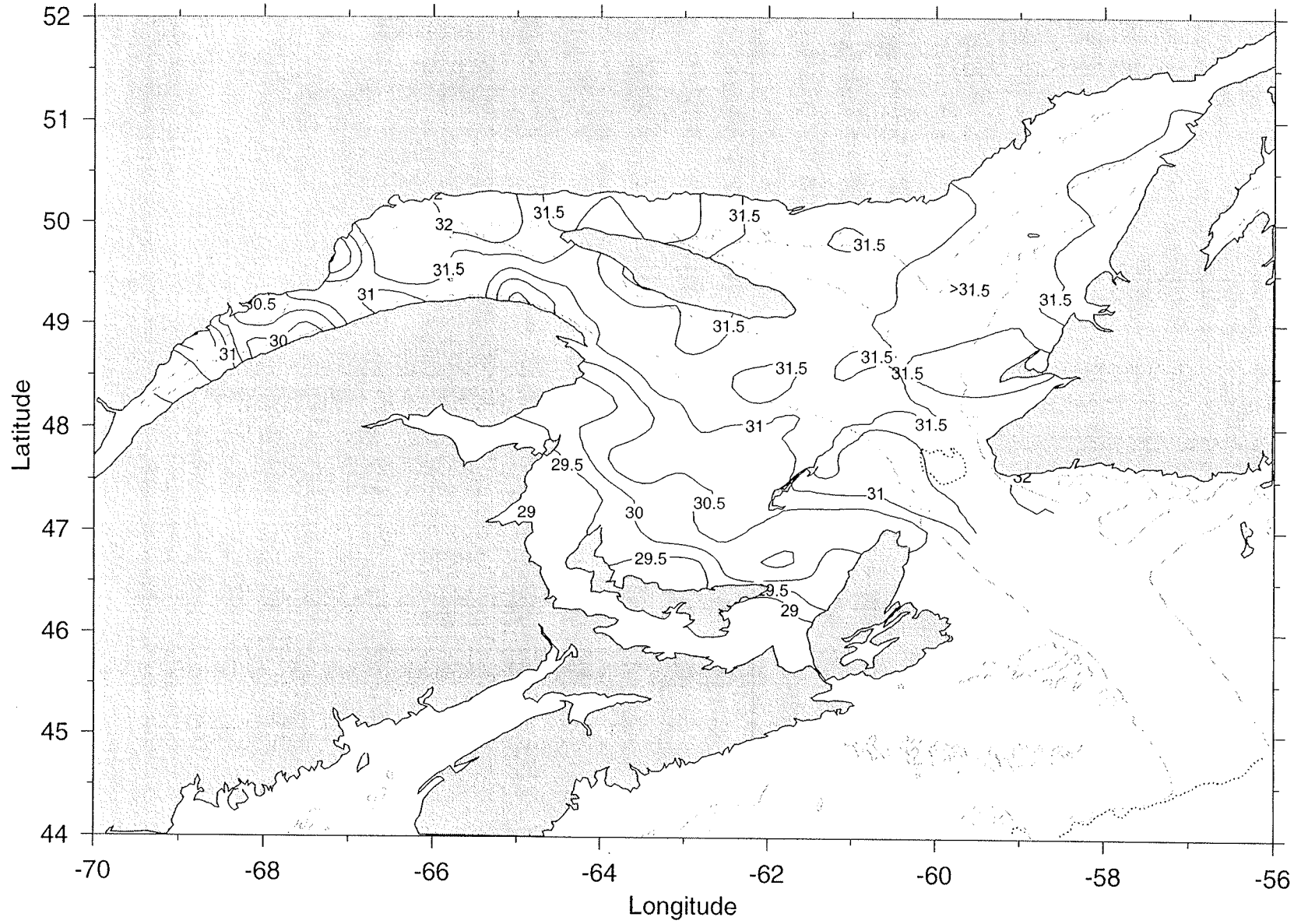
Bottom Salinity August 15



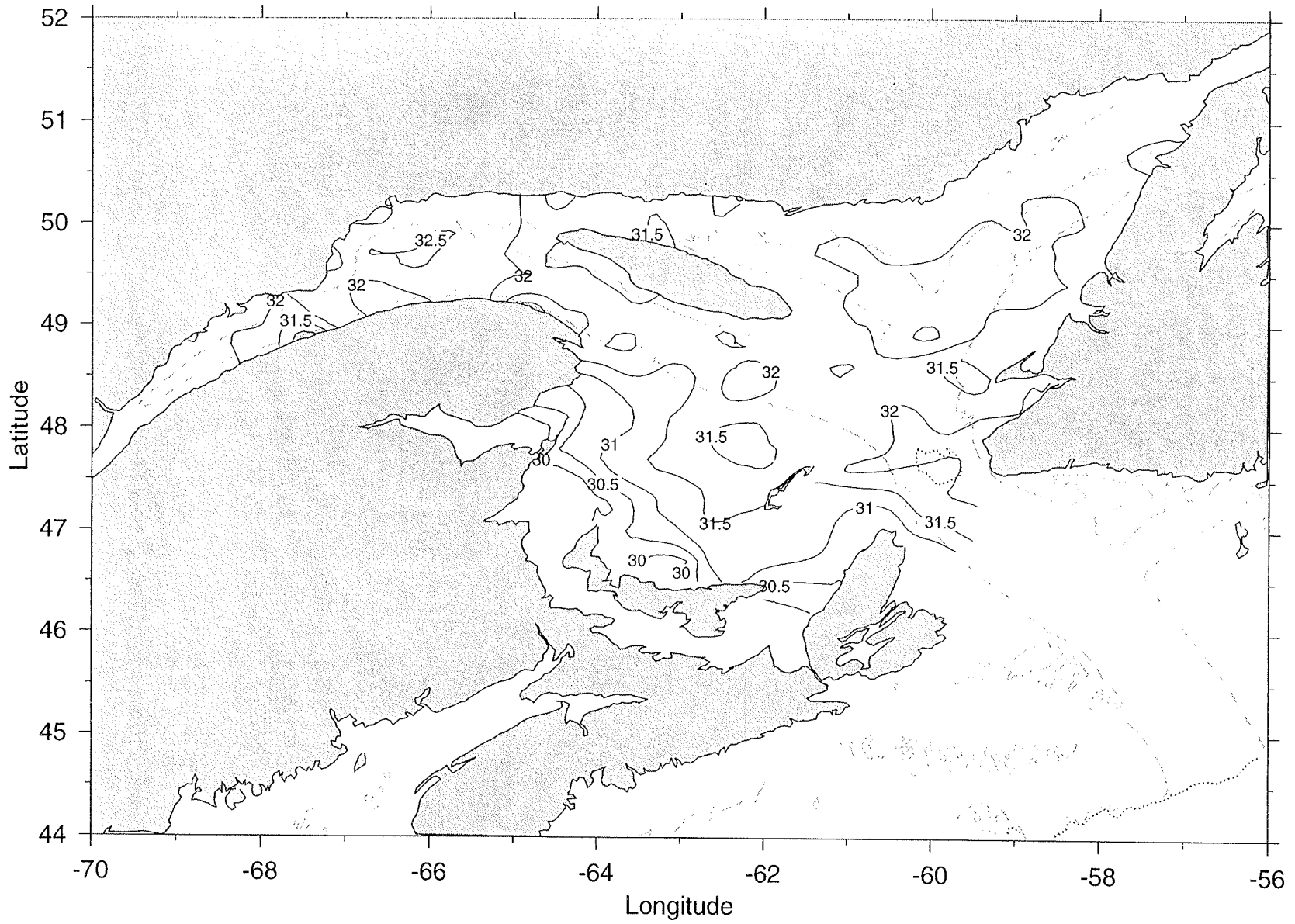
Salinity November 15 : 0 m



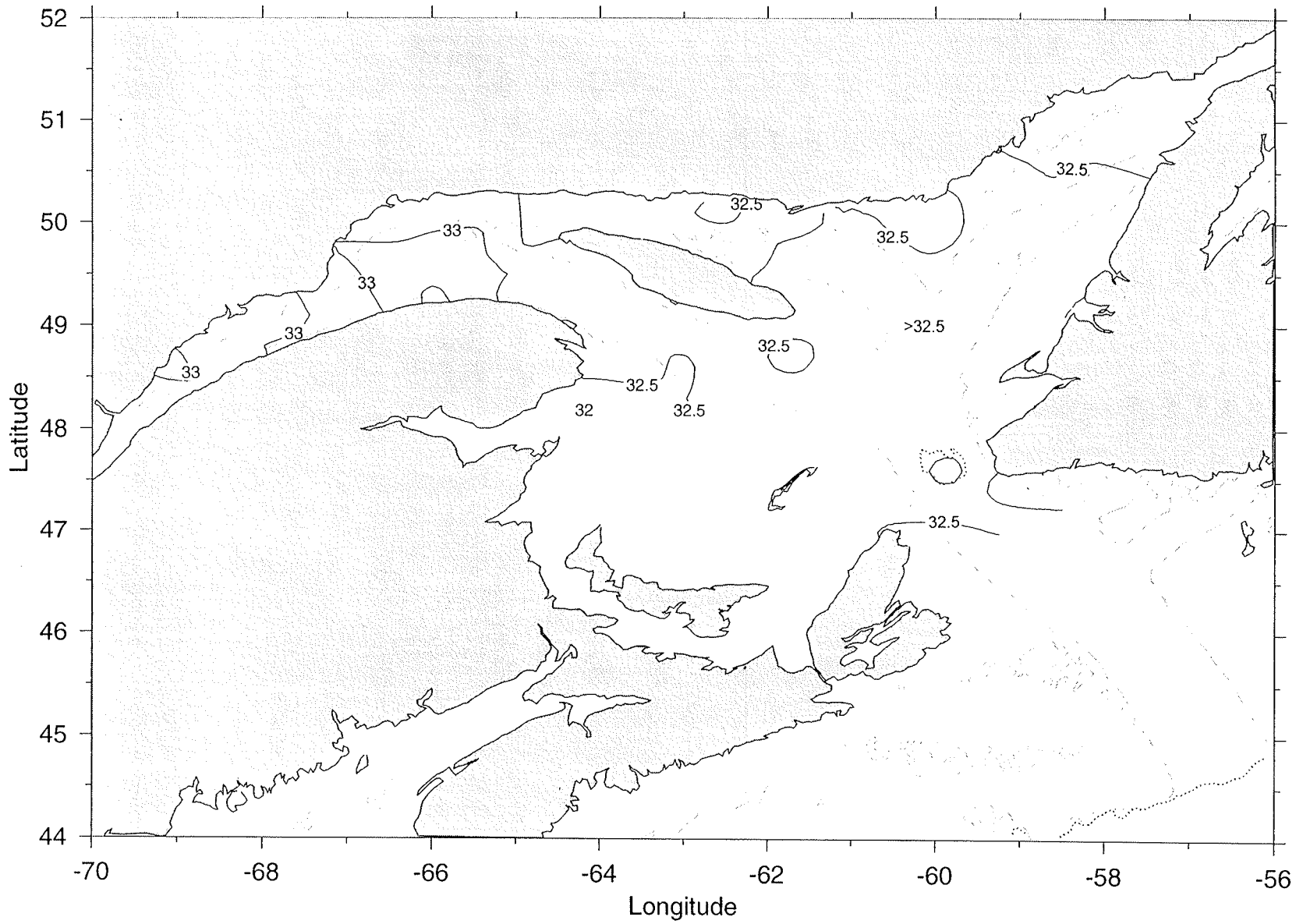
Salinity November 15 : 30 m



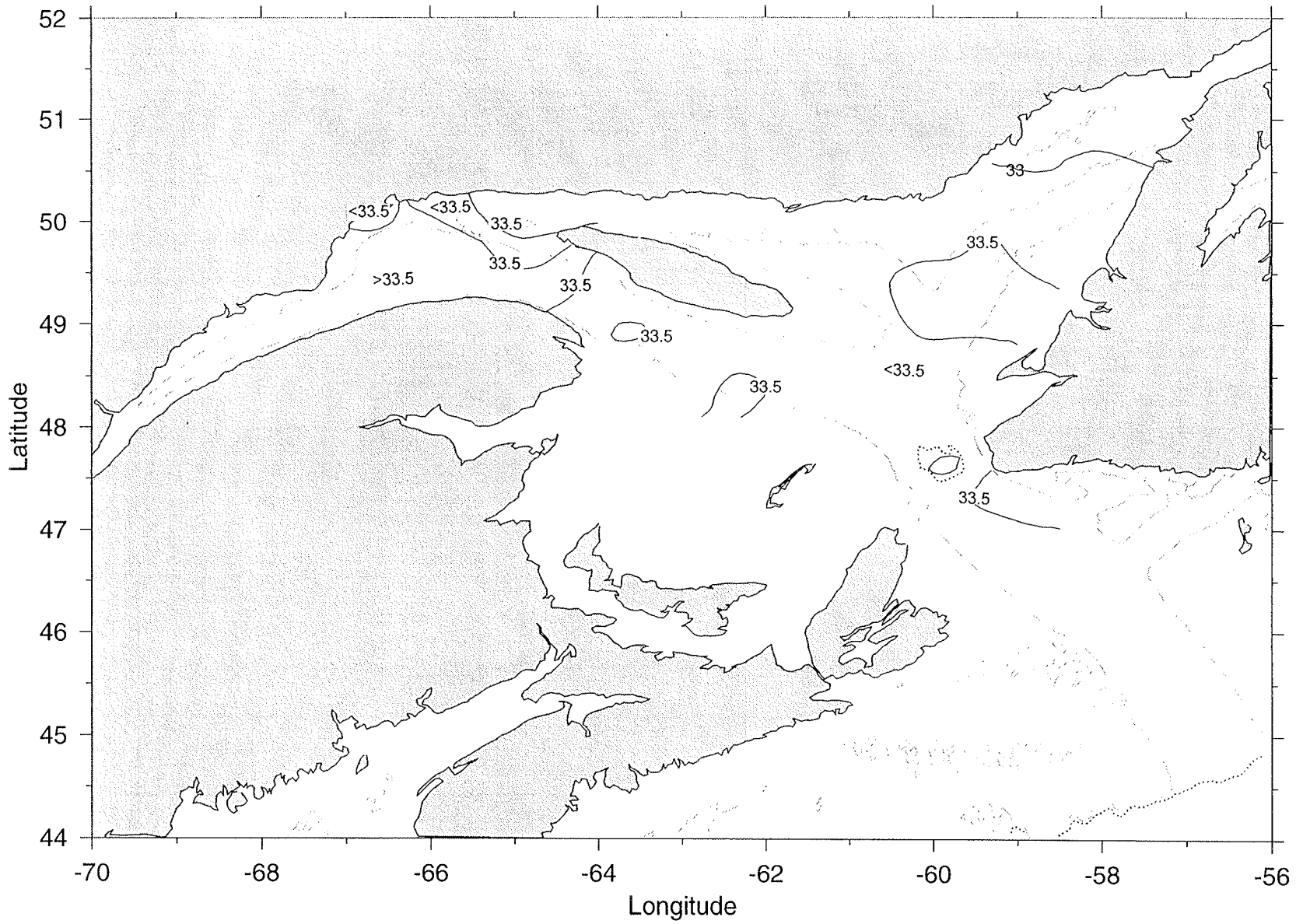
Salinity November 15 : 50 m



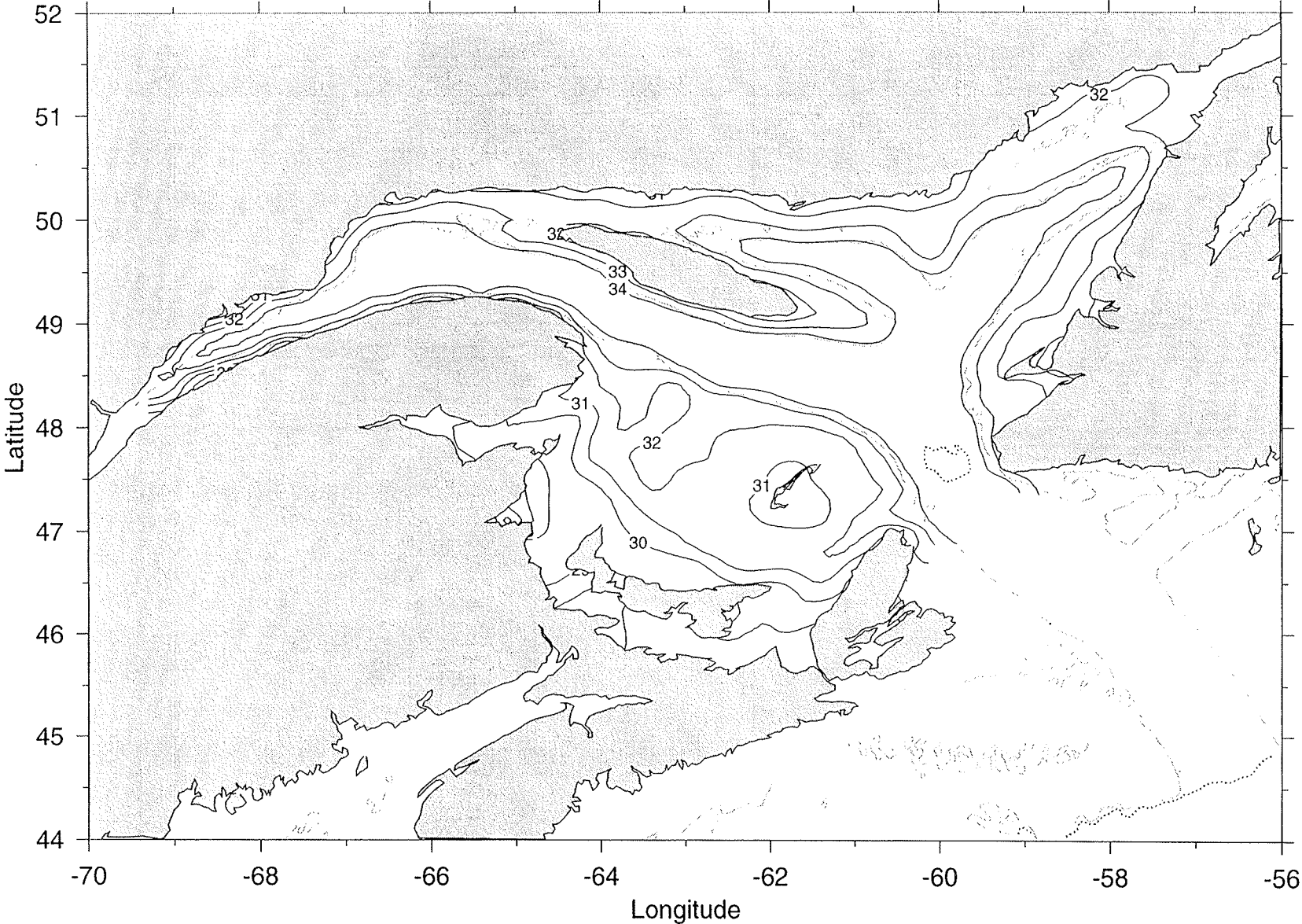
Salinity November 15 : 100m



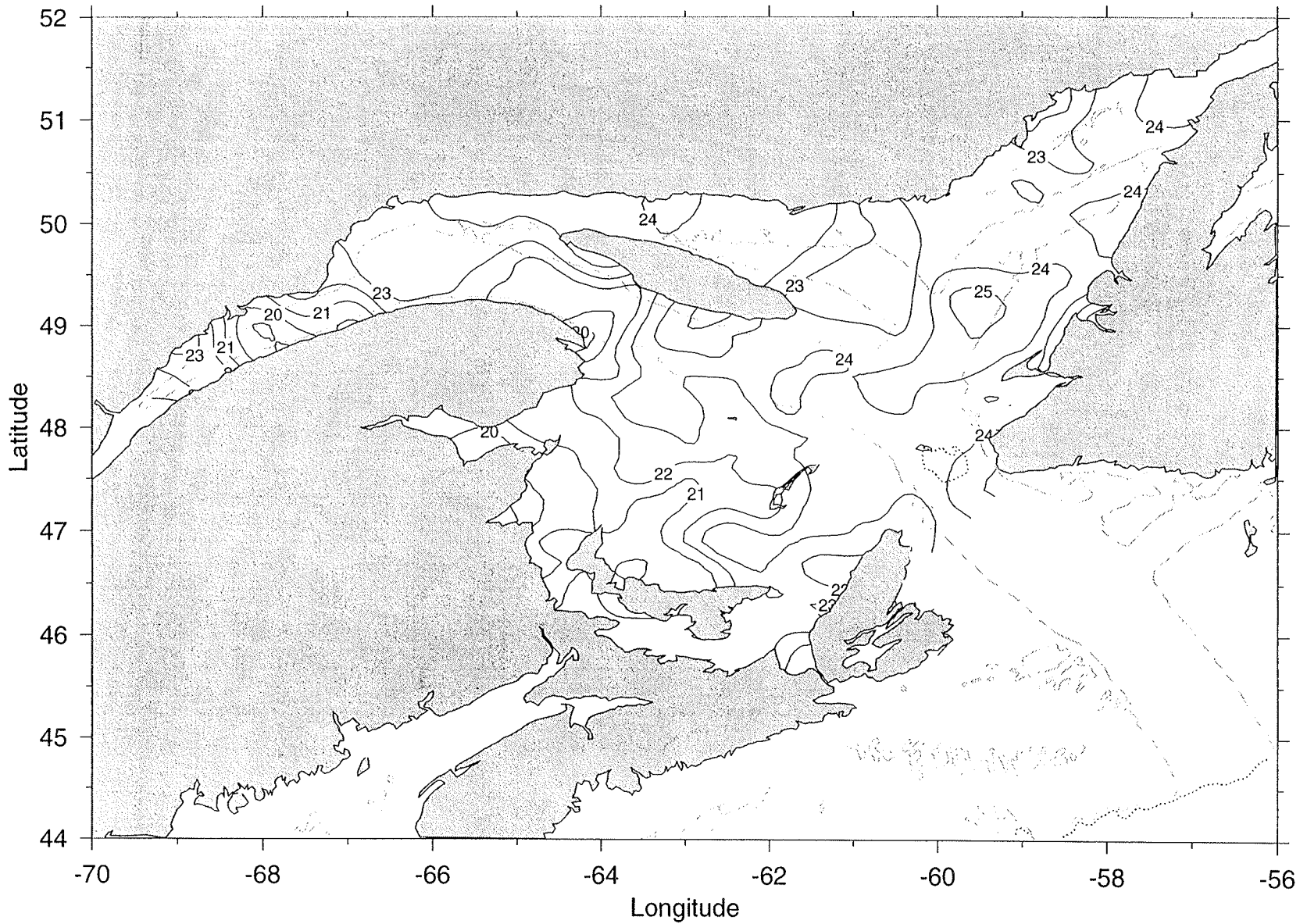
Salinity November 15 : 150m



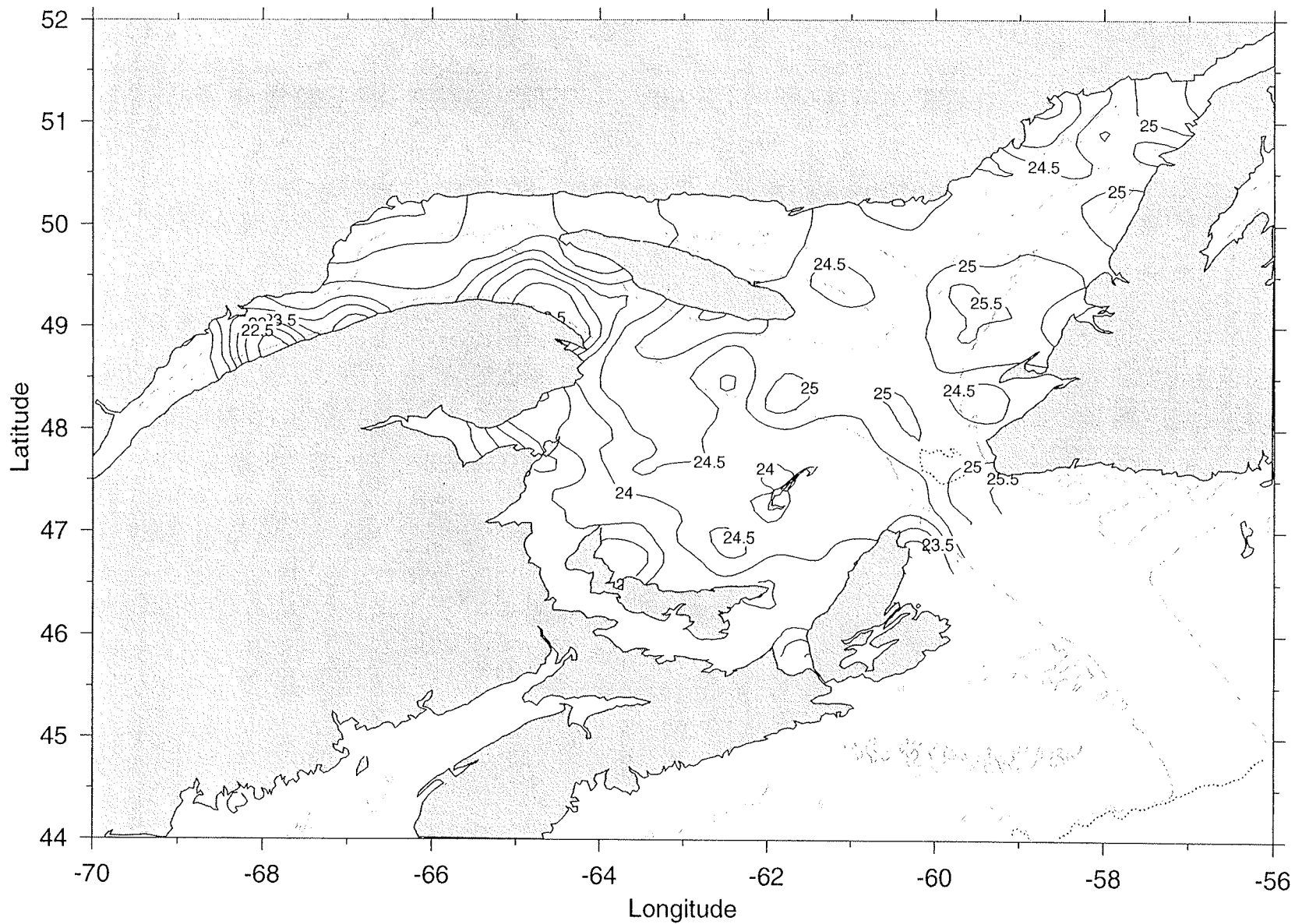
Bottom Salinity November 15



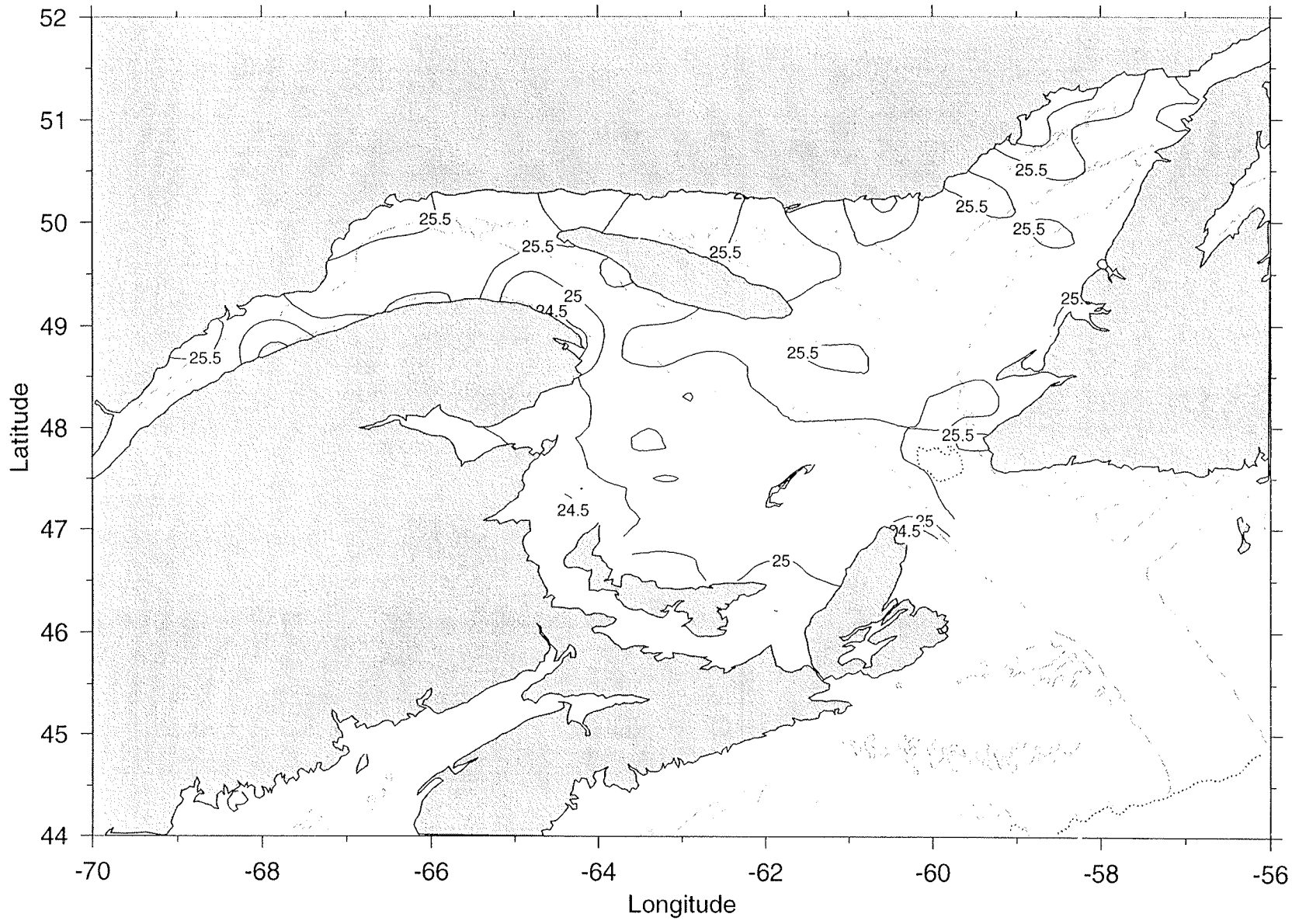
Sigma-T February 15 : 0 m



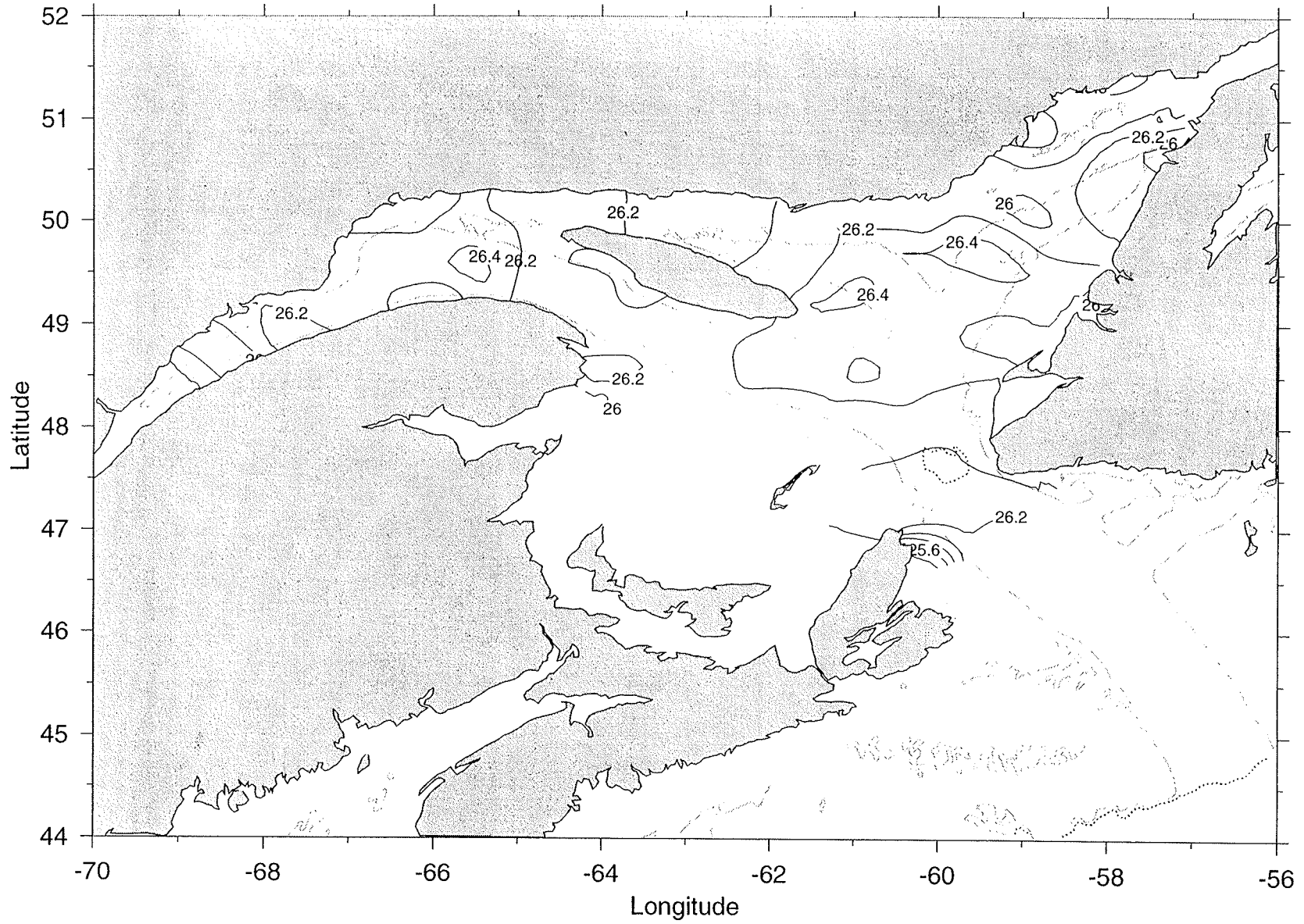
Sigma-T February 15 : 30 m



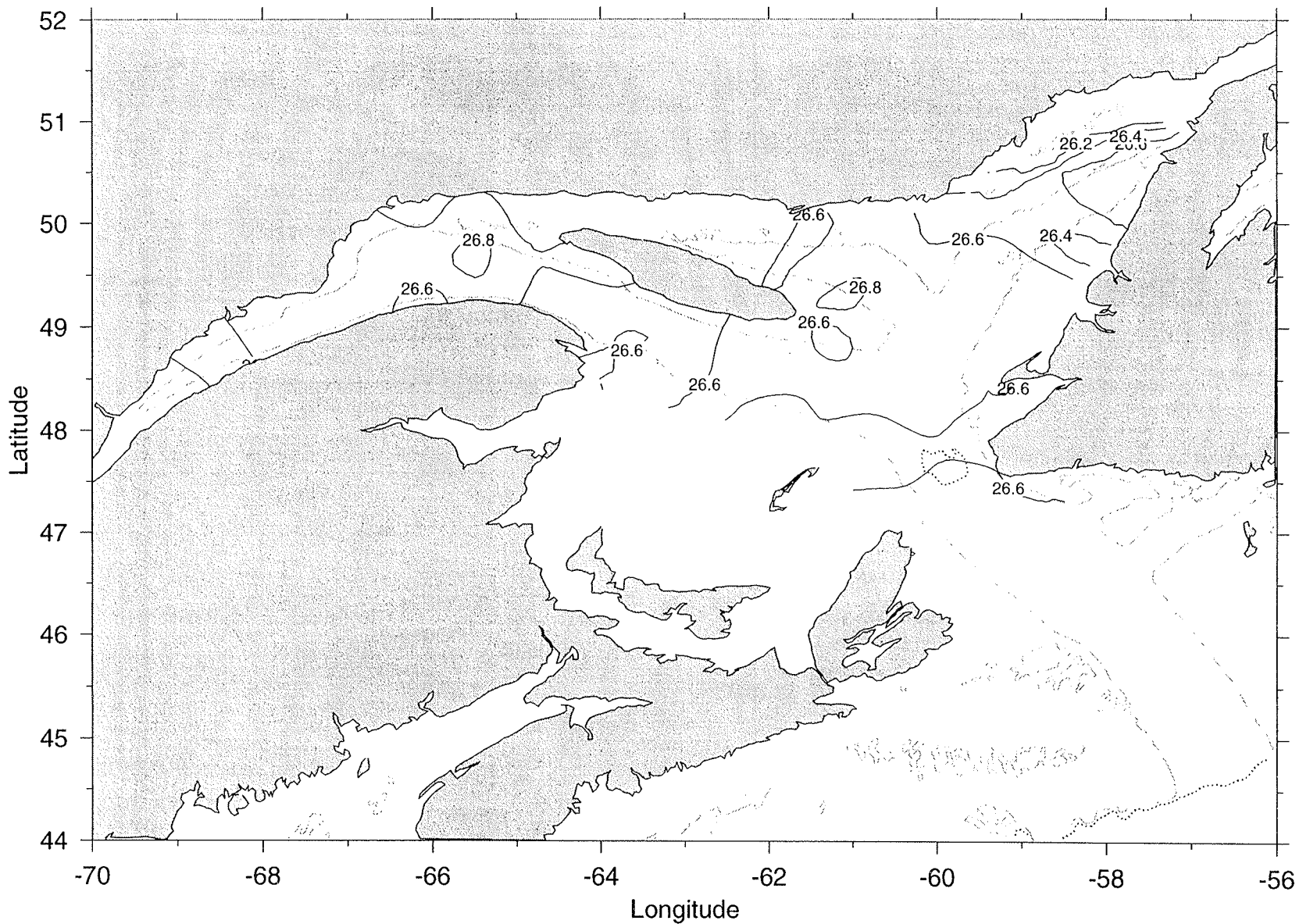
Sigma-T February 15 : 50 m



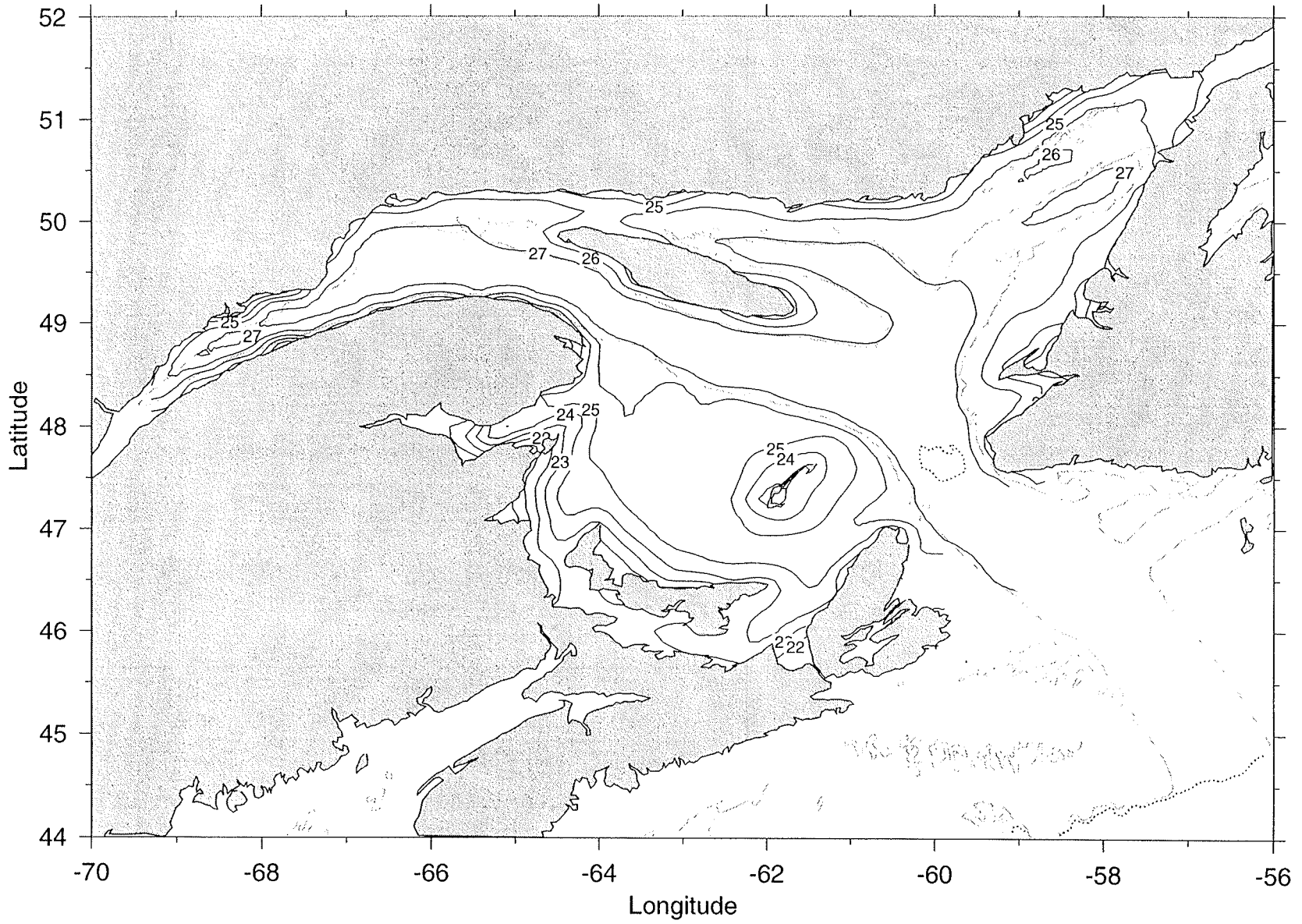
Sigma-T February 15 : 100m



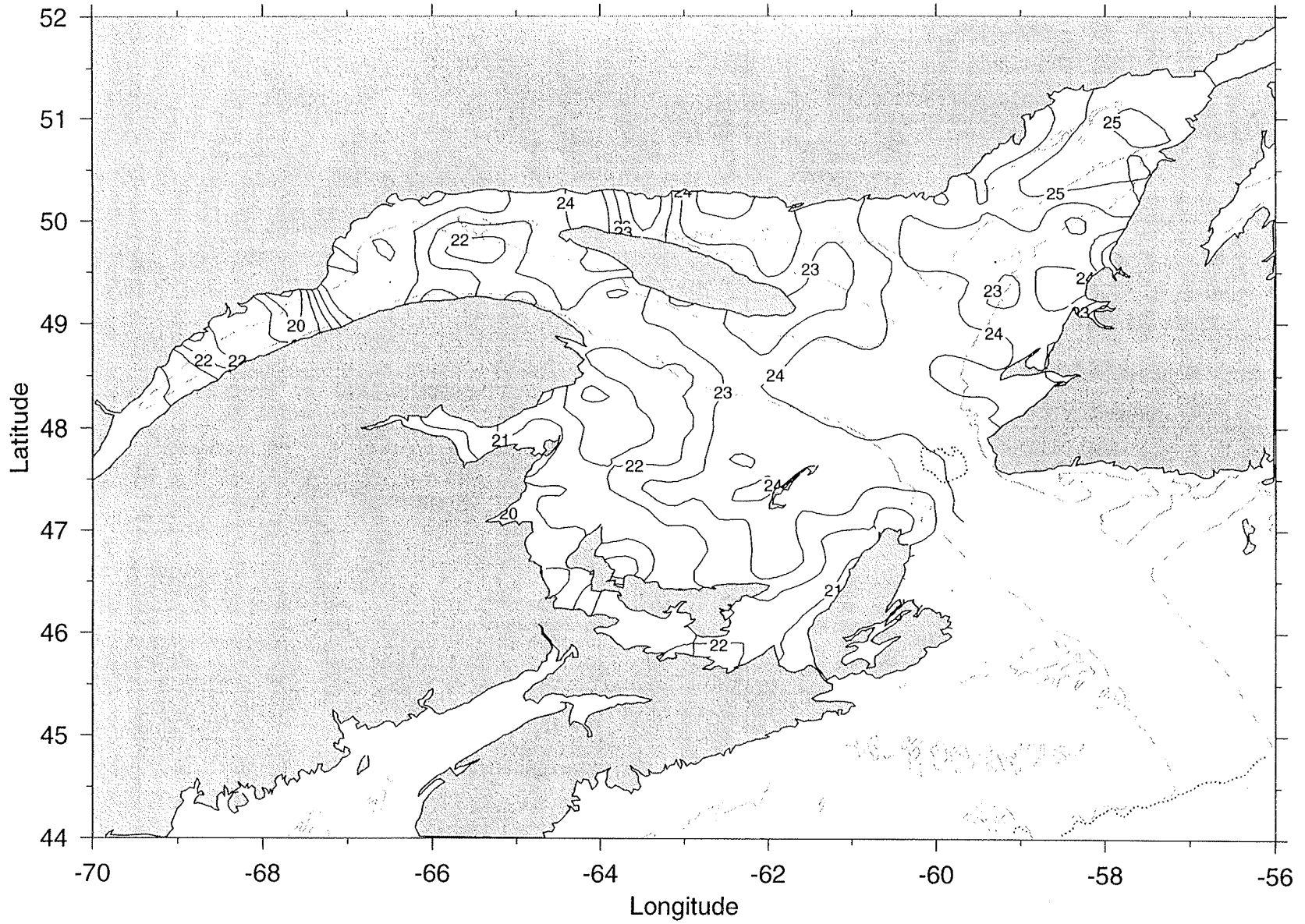
Sigma-T February 15 : 150m



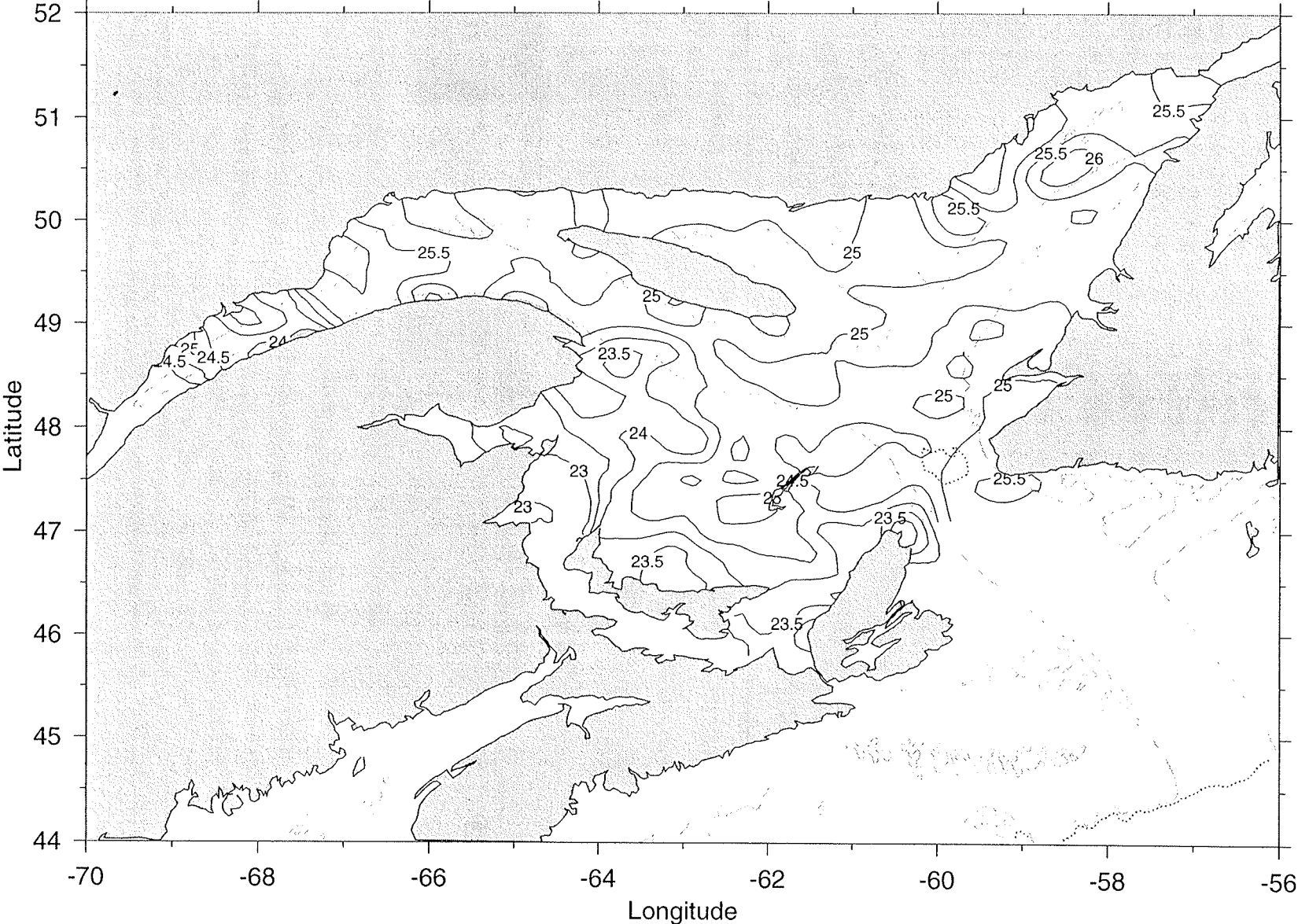
Bottom Sigma-T February 15



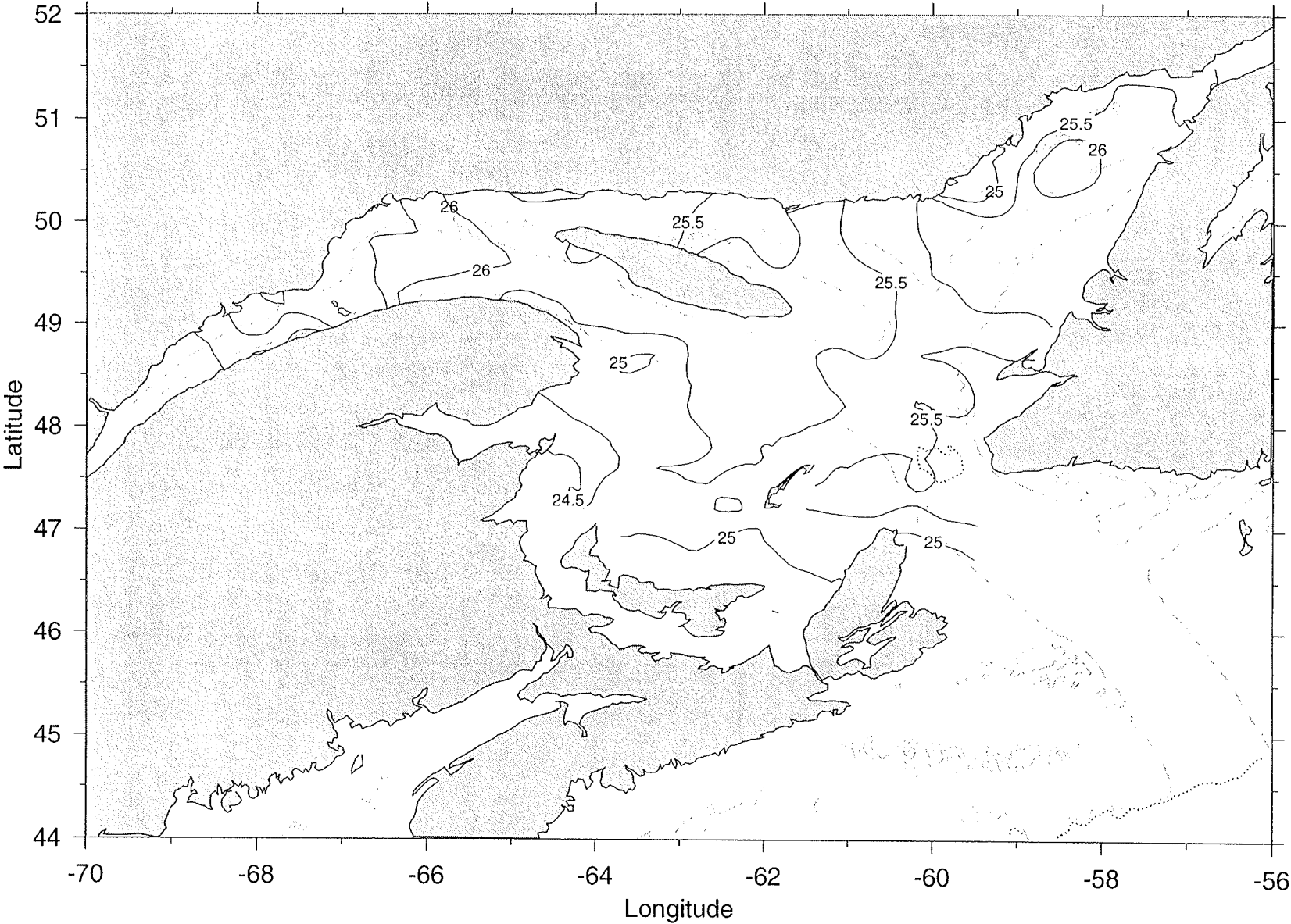
Sigma-T May 15 : 0 m



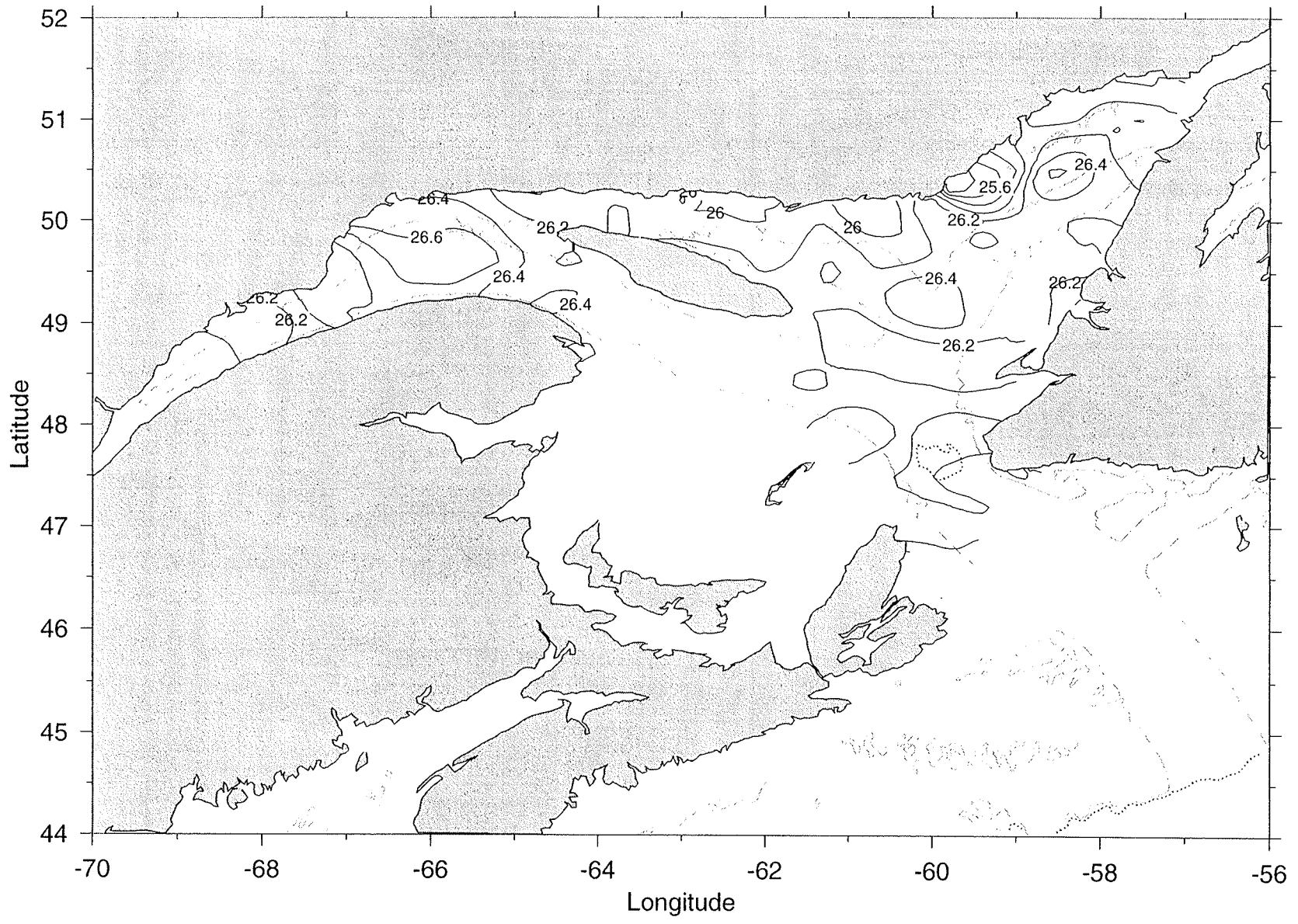
Sigma-T May 15 : 30 m



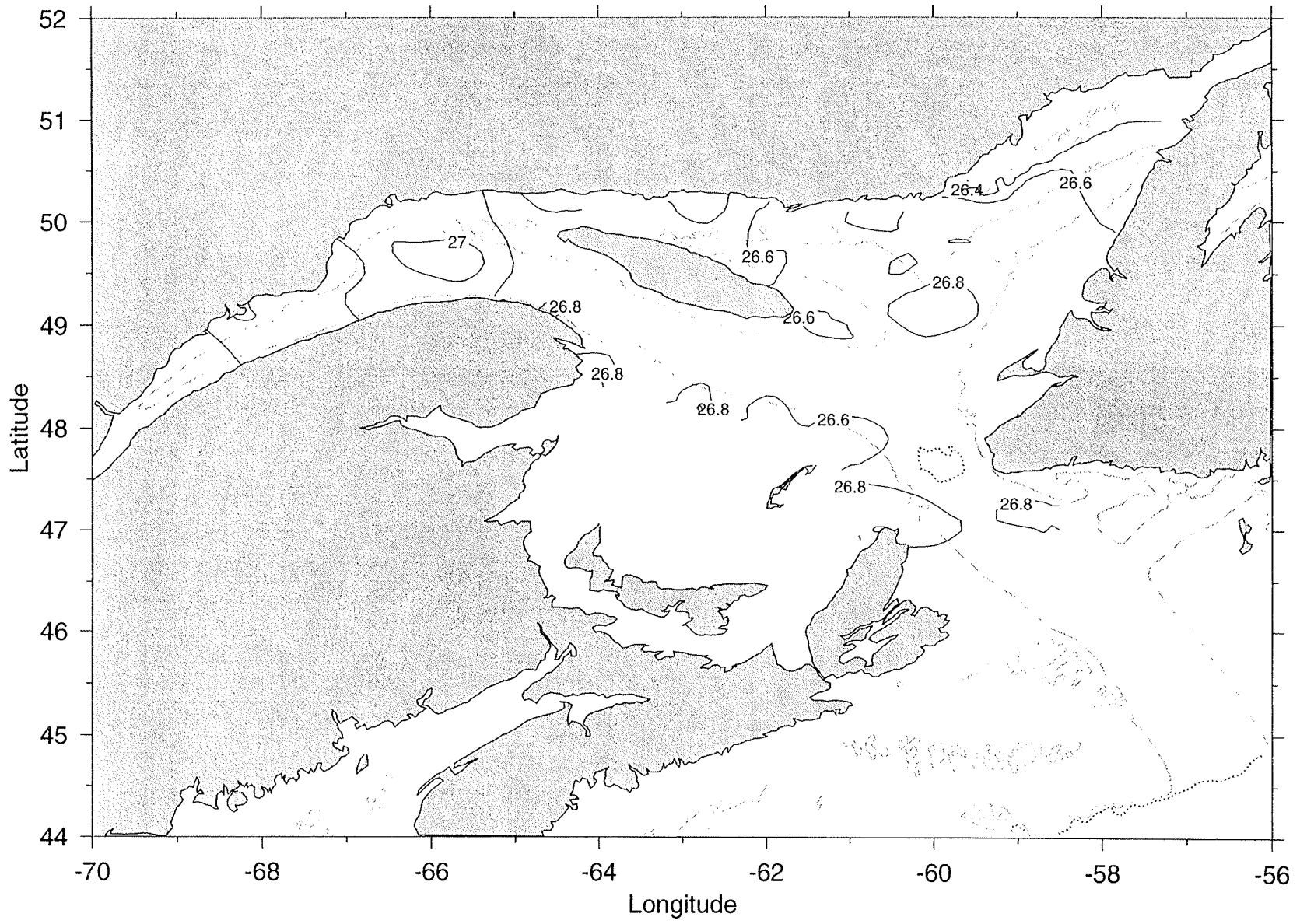
Sigma-T May 15 : 50 m



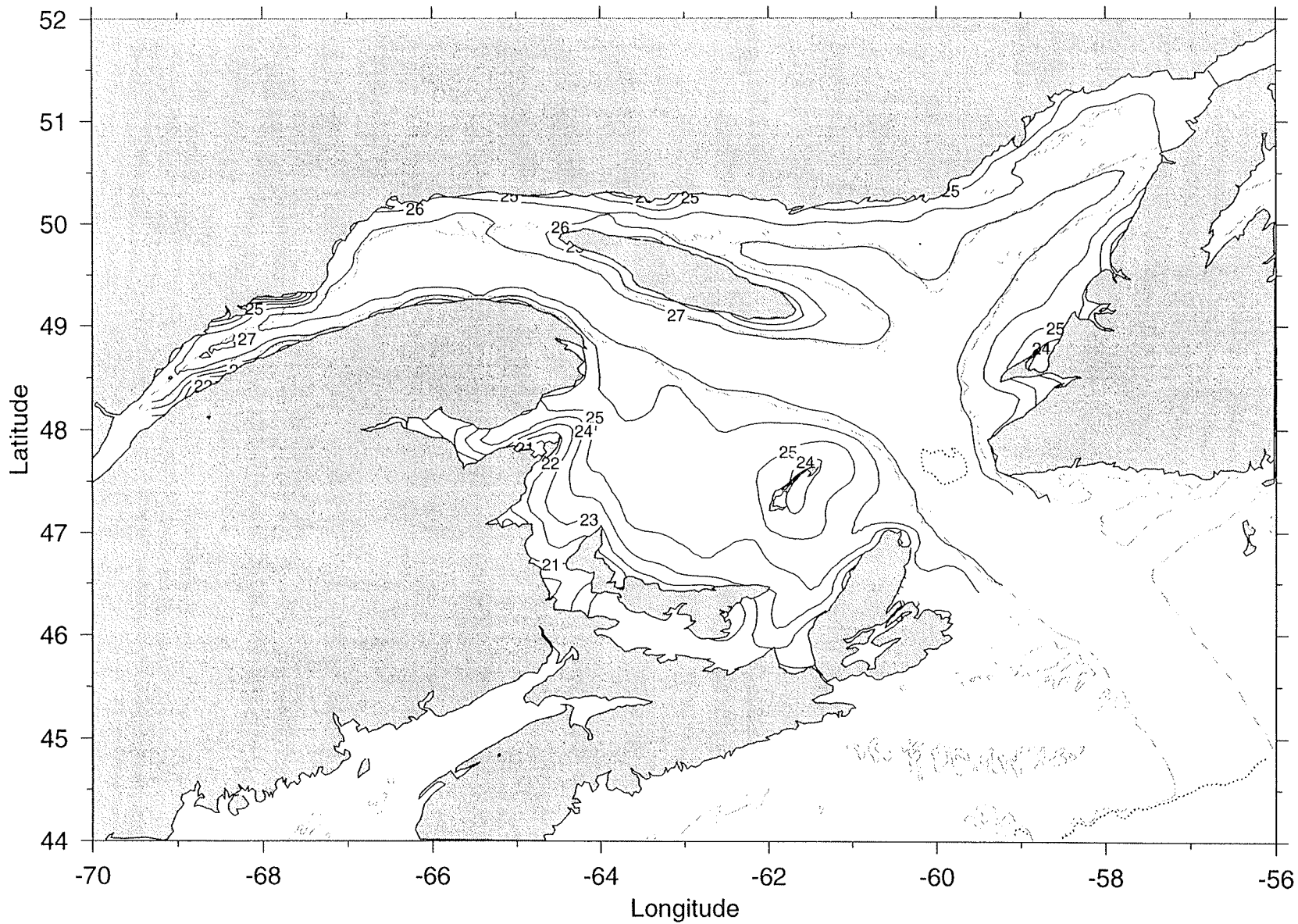
Sigma-T May 15 : 100m



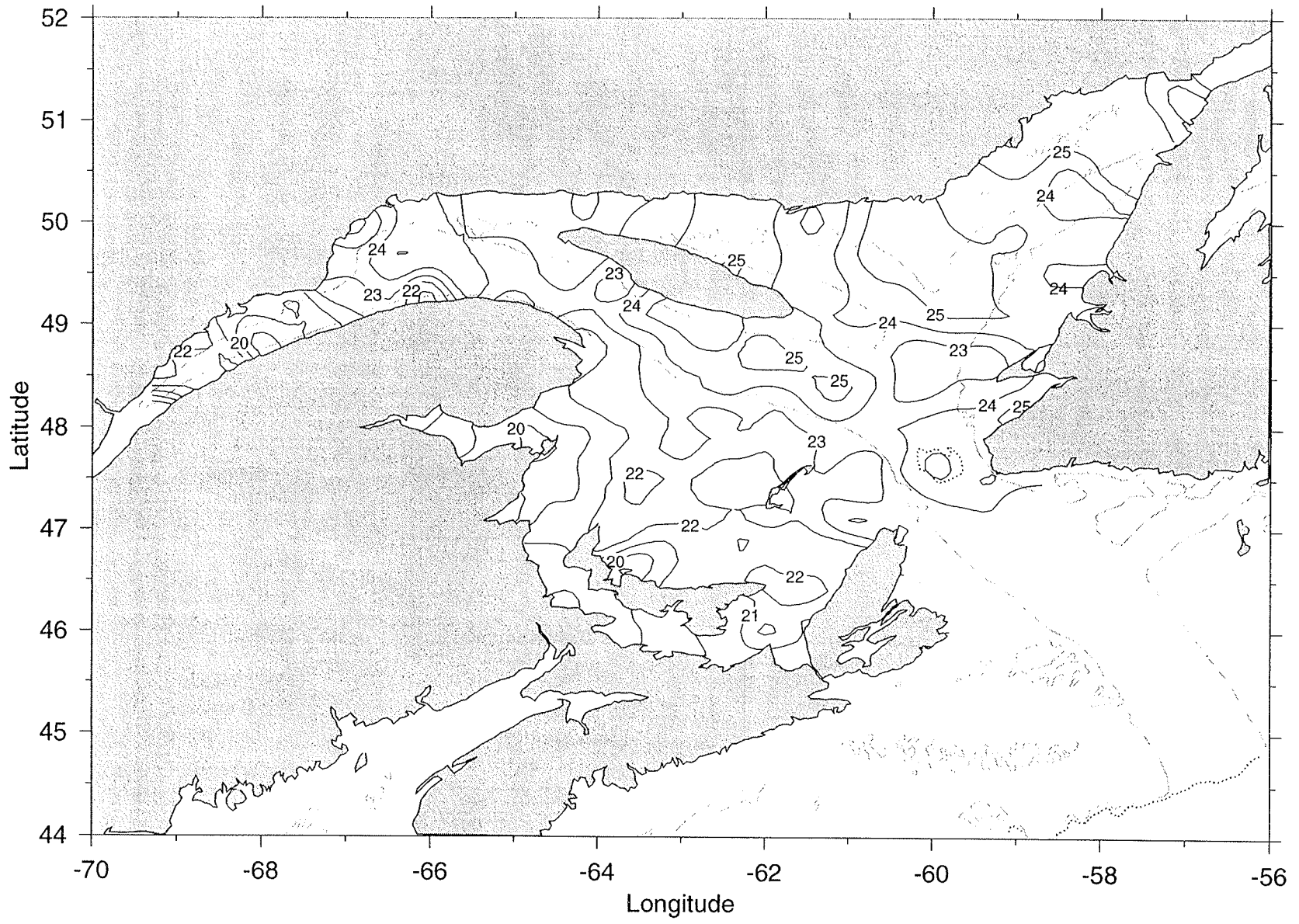
Sigma-T May 15 : 150m



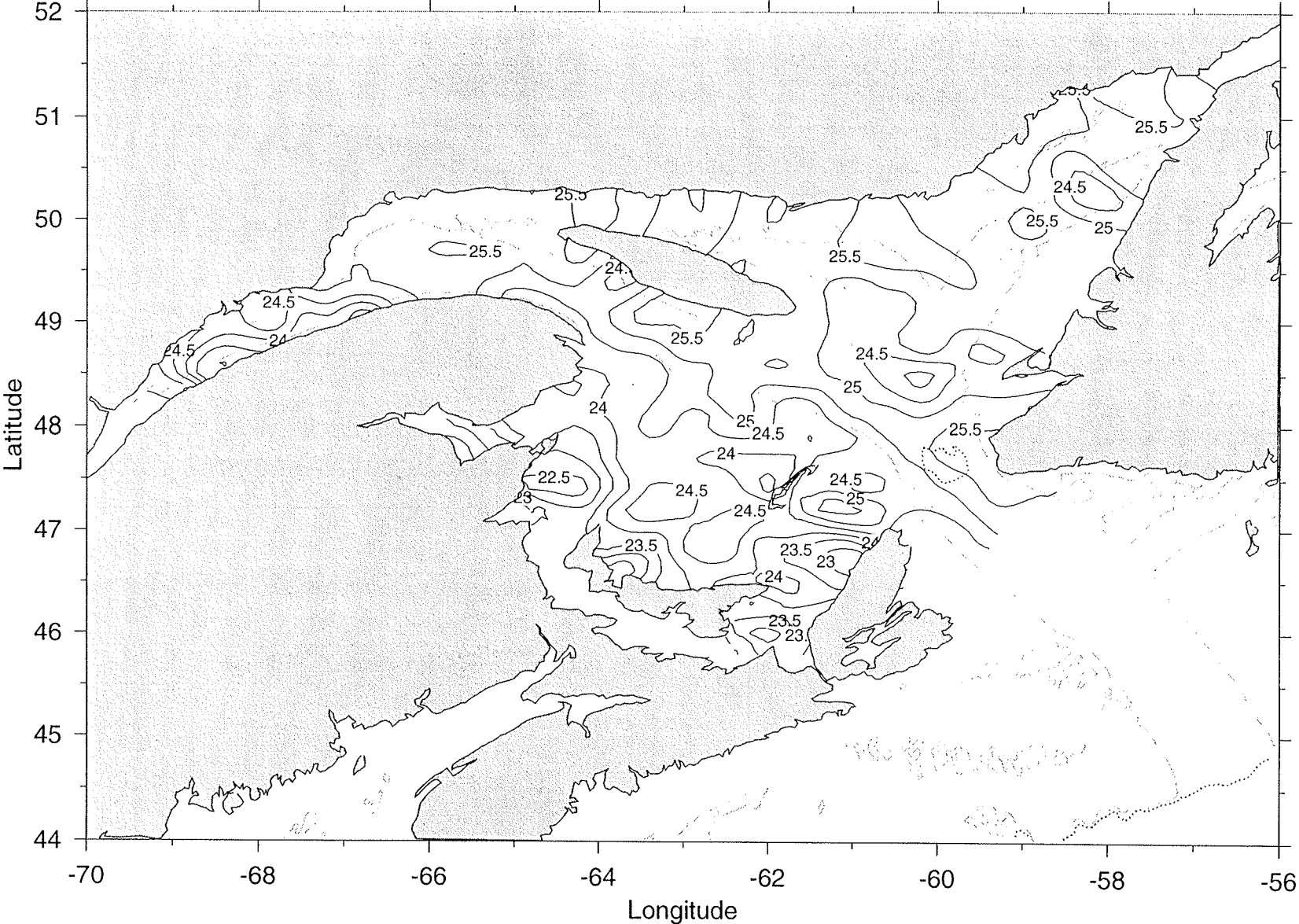
Bottom Sigma-T May 15



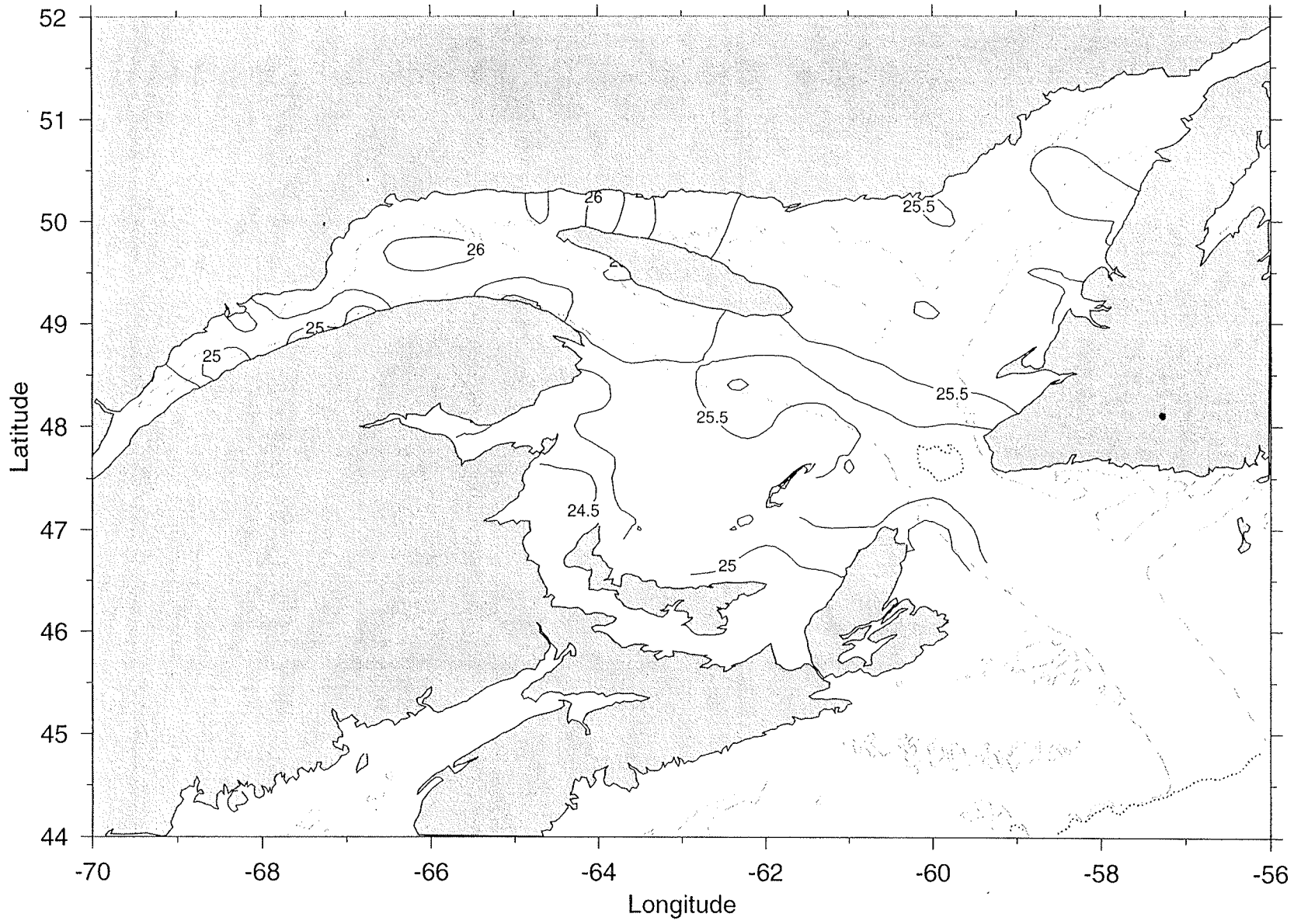
Sigma-T August 15 : 0 m



Sigma-T August 15 : 30 m

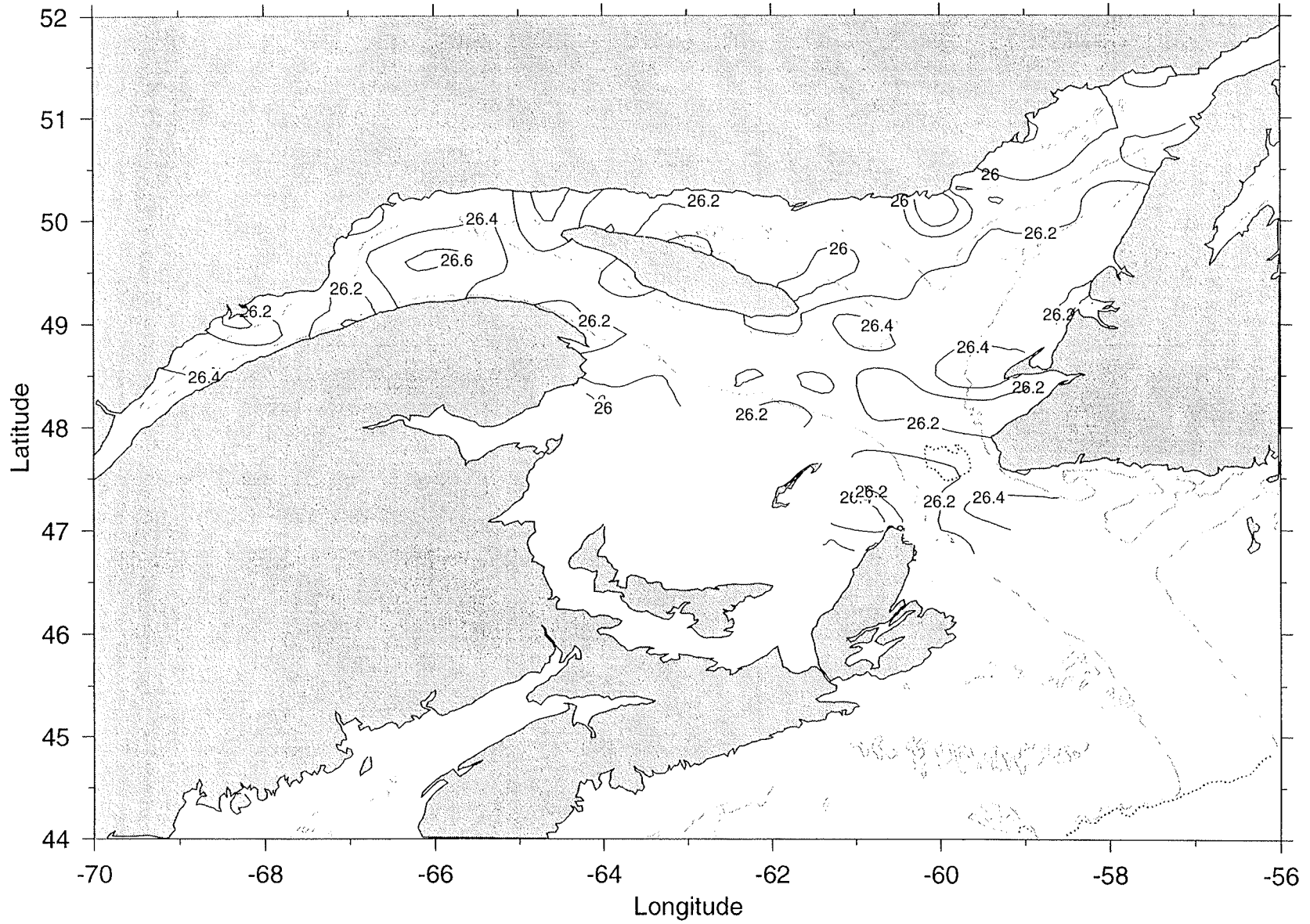


Sigma-T August 15 : 50 m

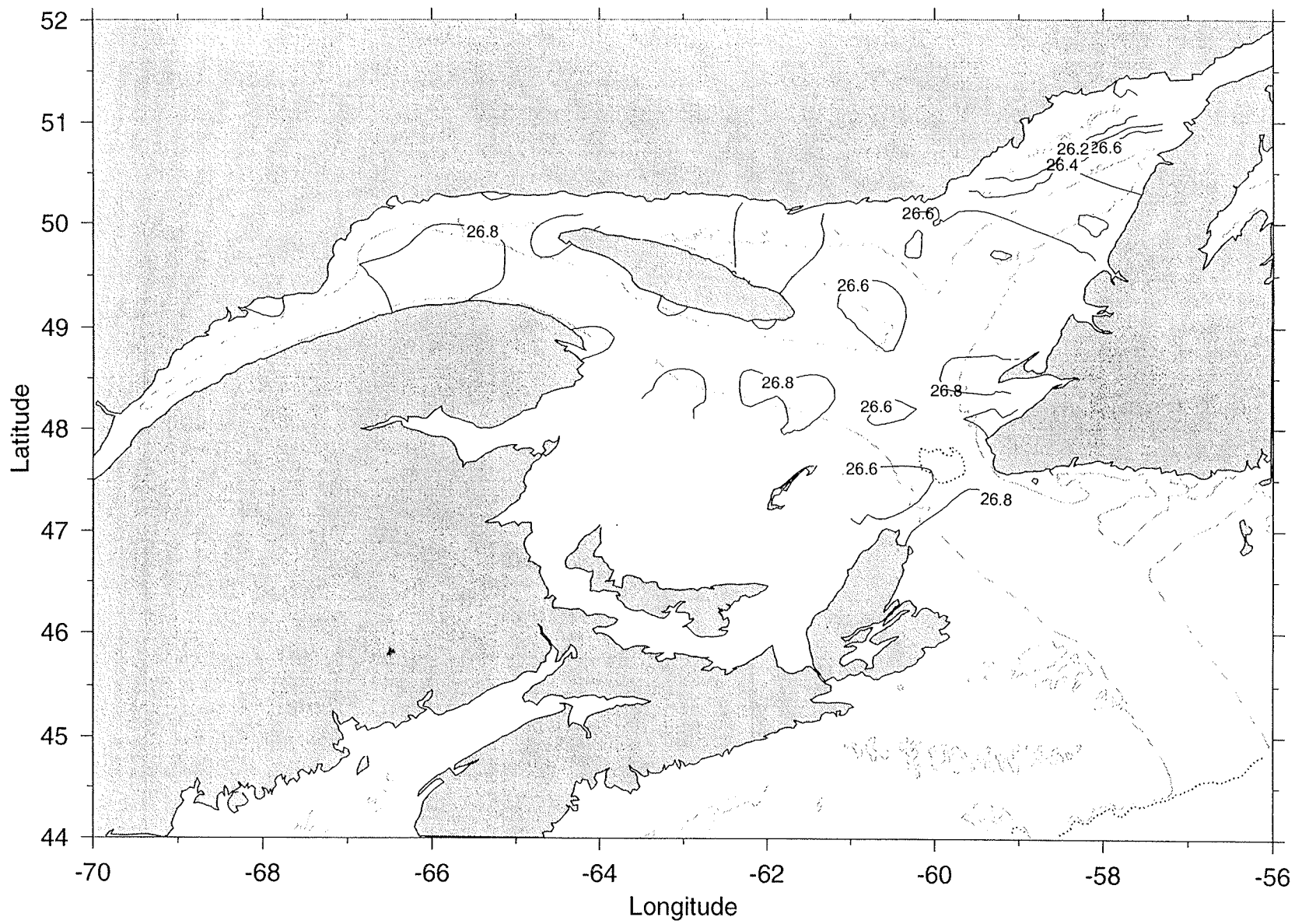


70

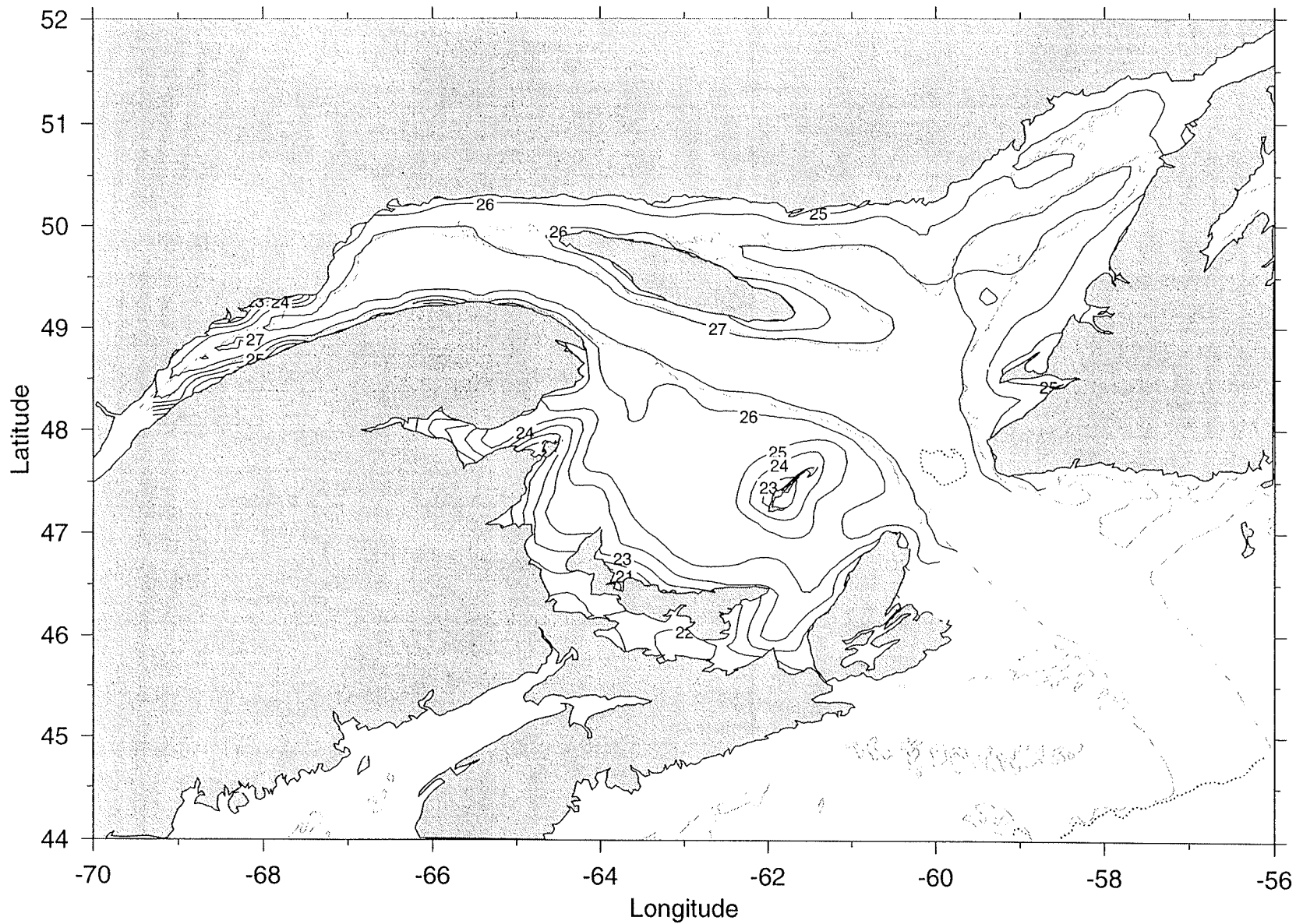
Sigma-T August 15 : 100m



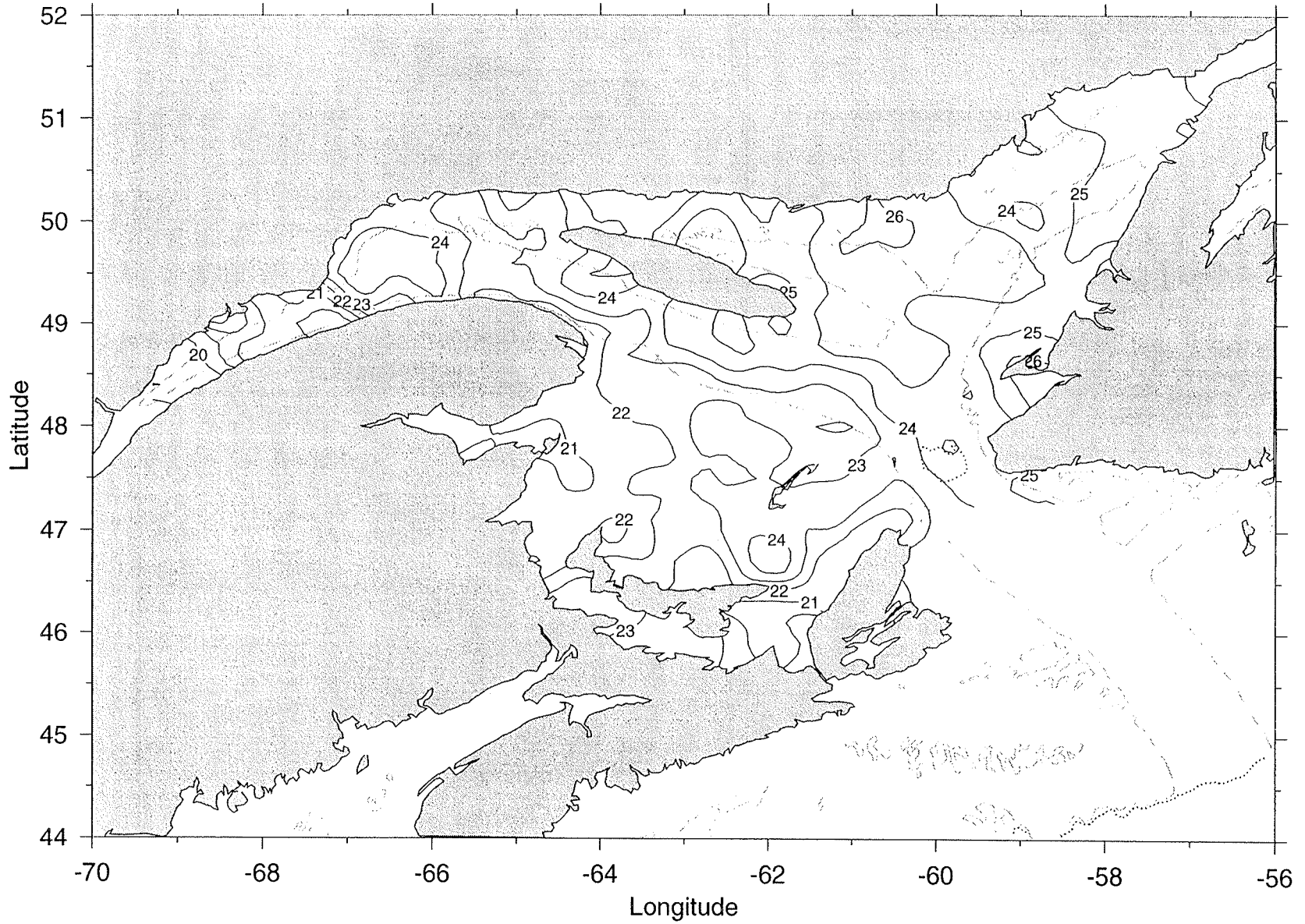
Sigma-T August 15 : 150m



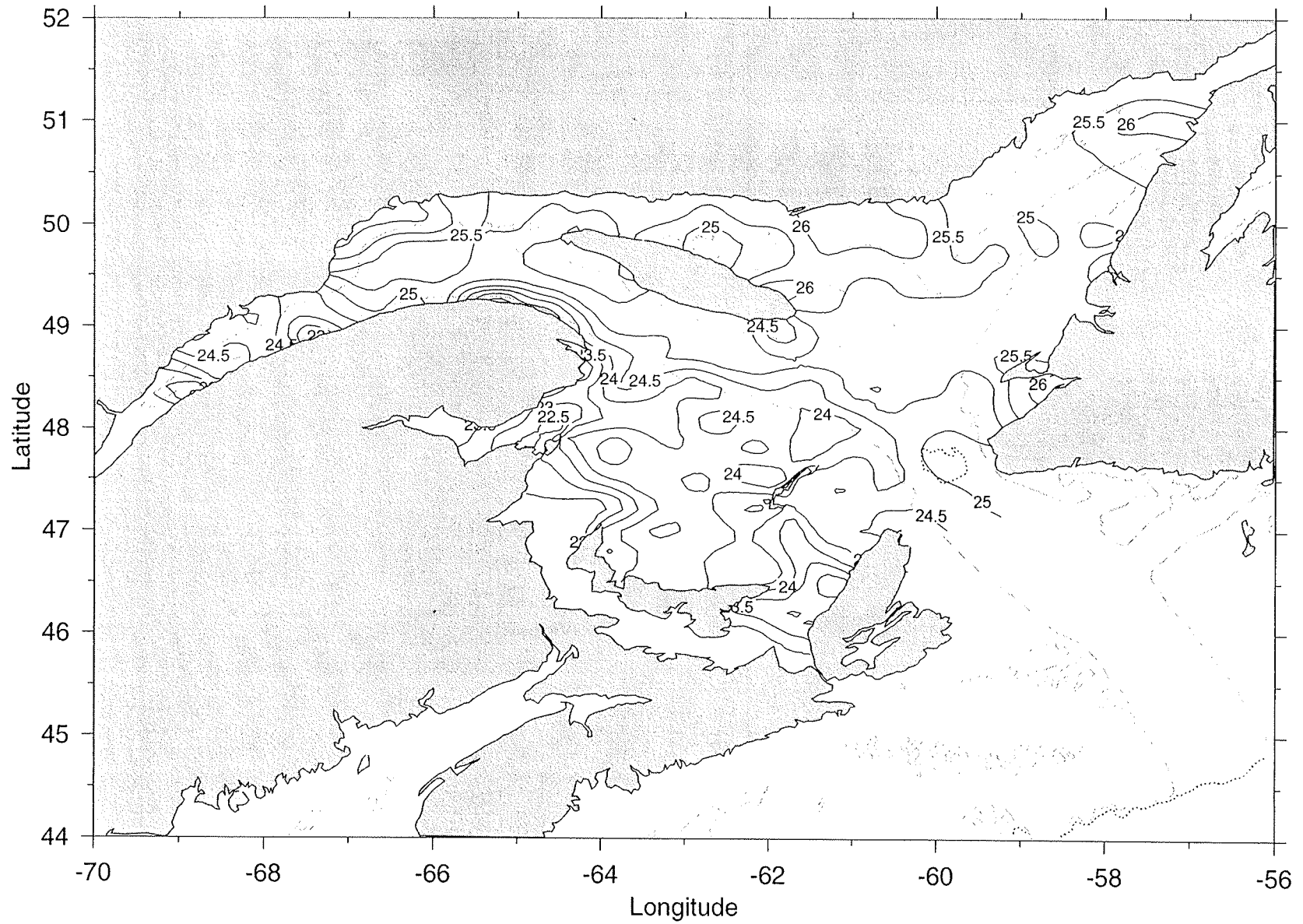
Bottom Sigma-T August 15



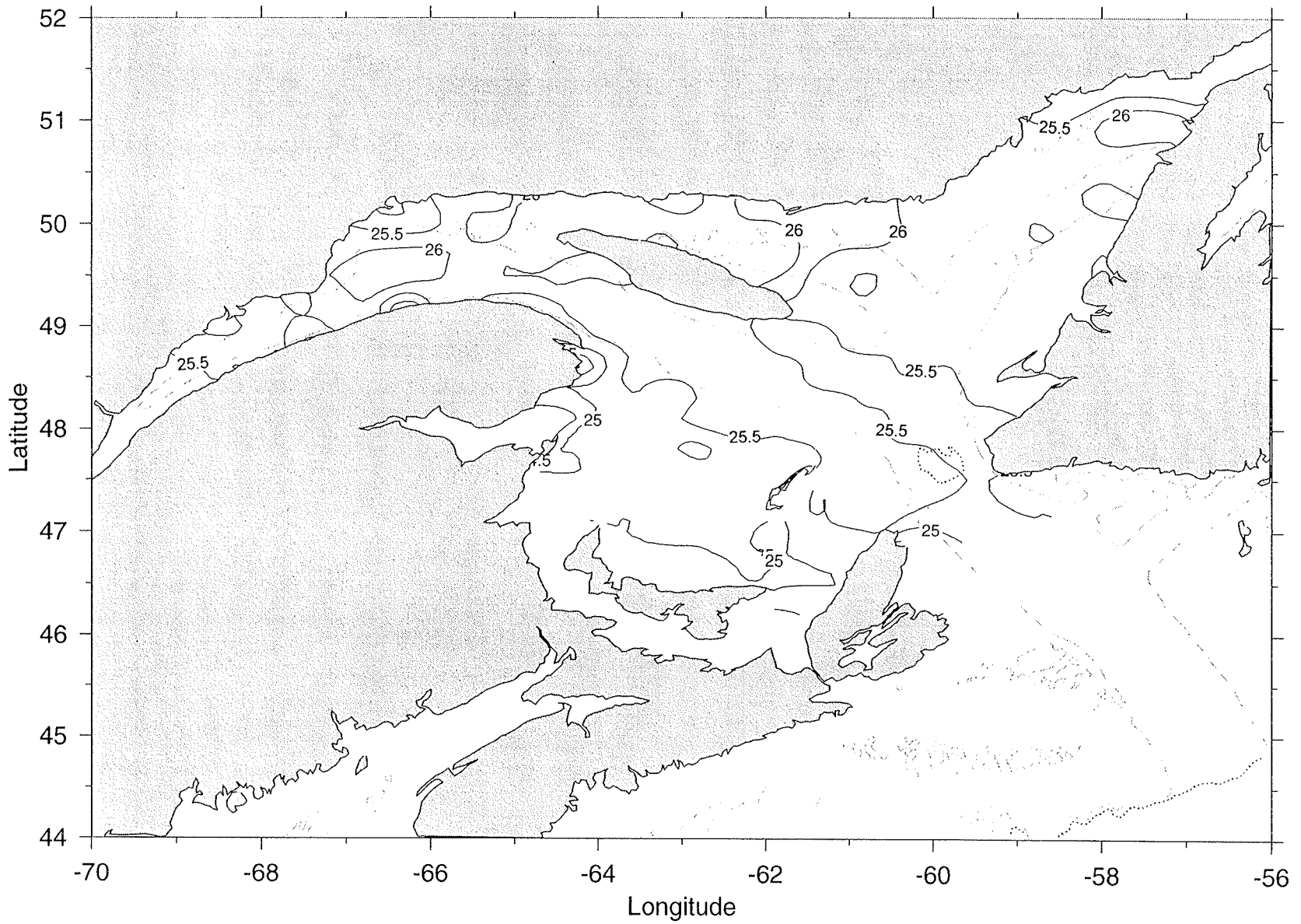
Sigma-T November 15 : 0 m



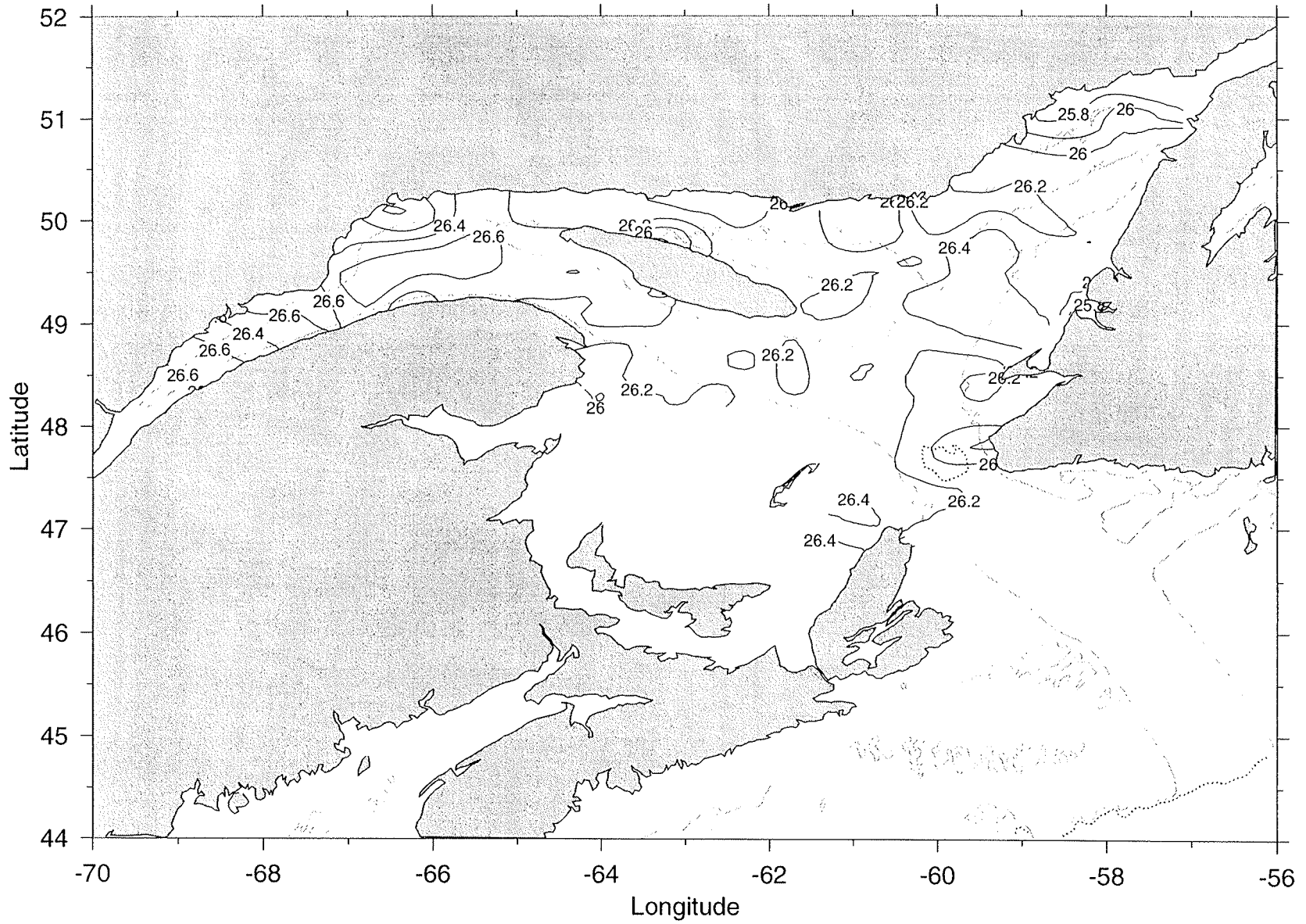
Sigma-T November 15 : 30 m



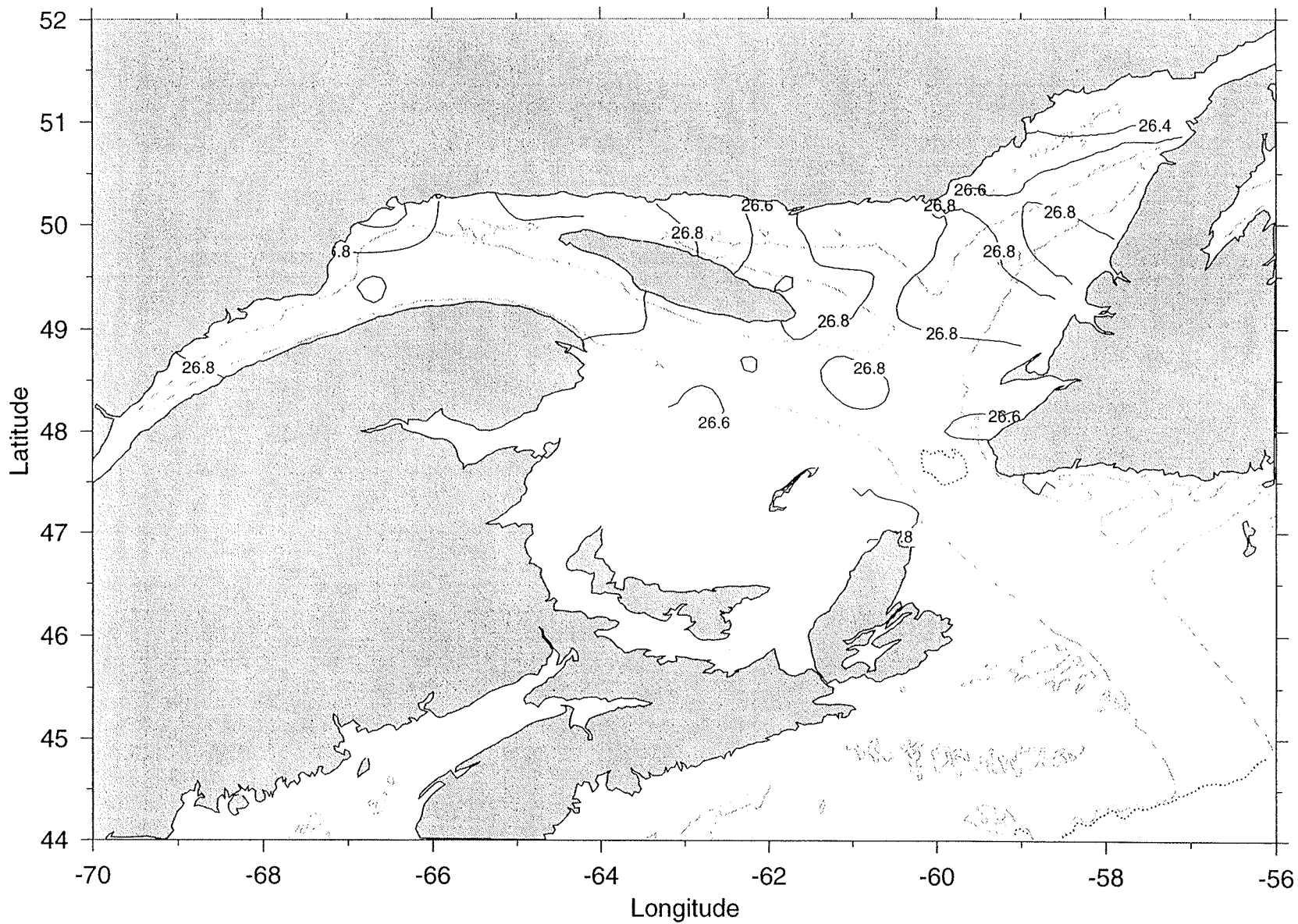
Sigma-T November 15 : 50 m



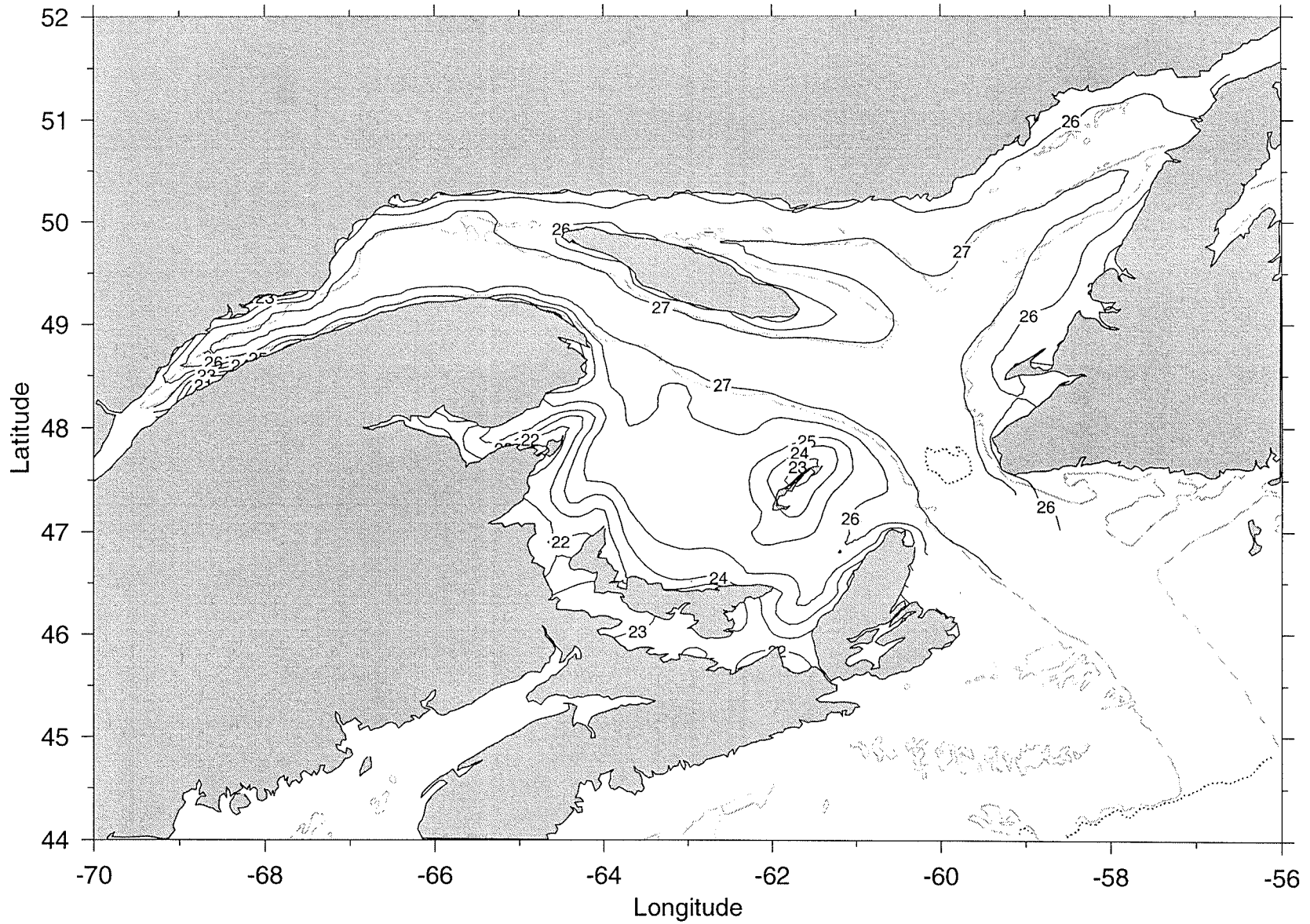
Sigma-T November 15 : 100m

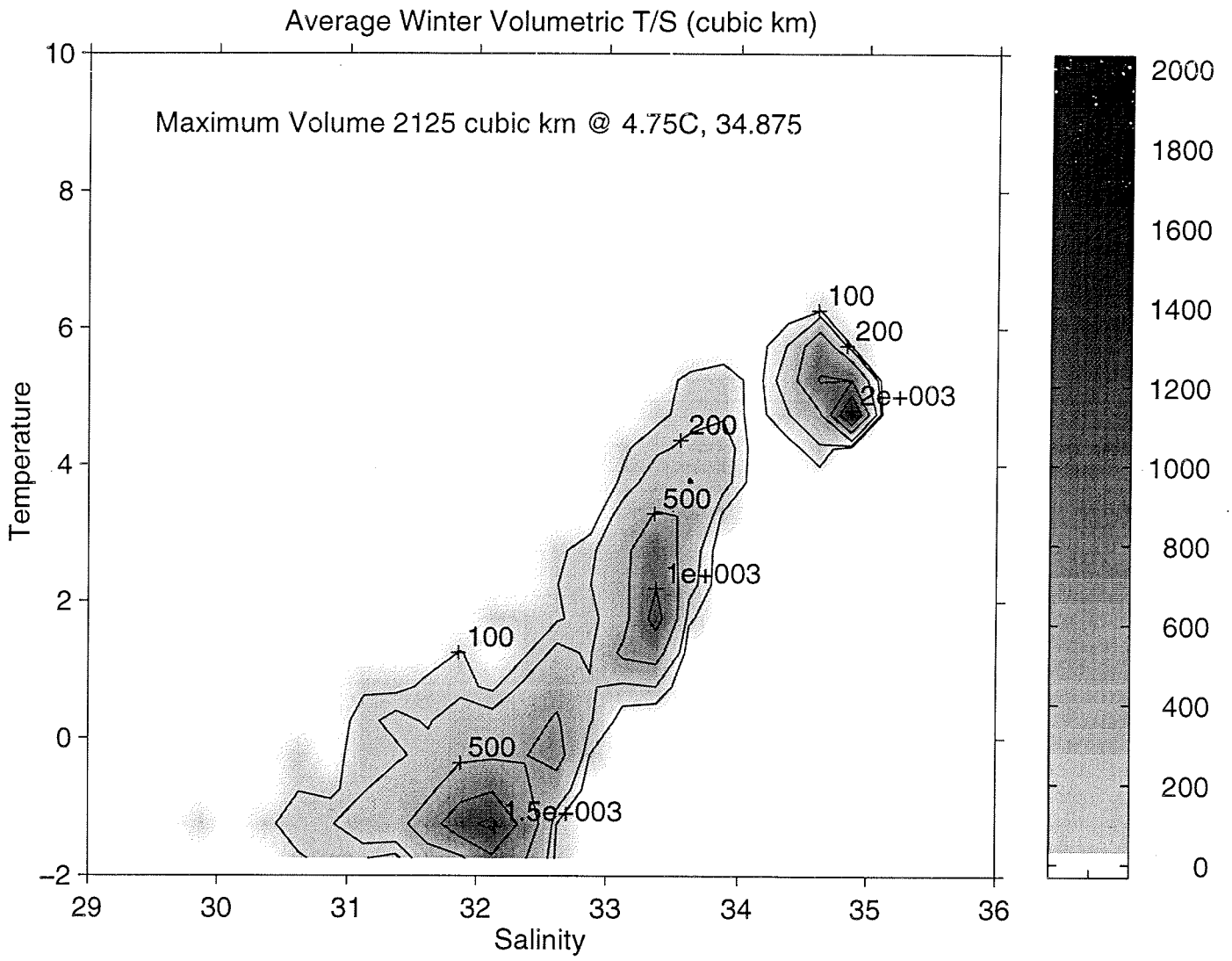


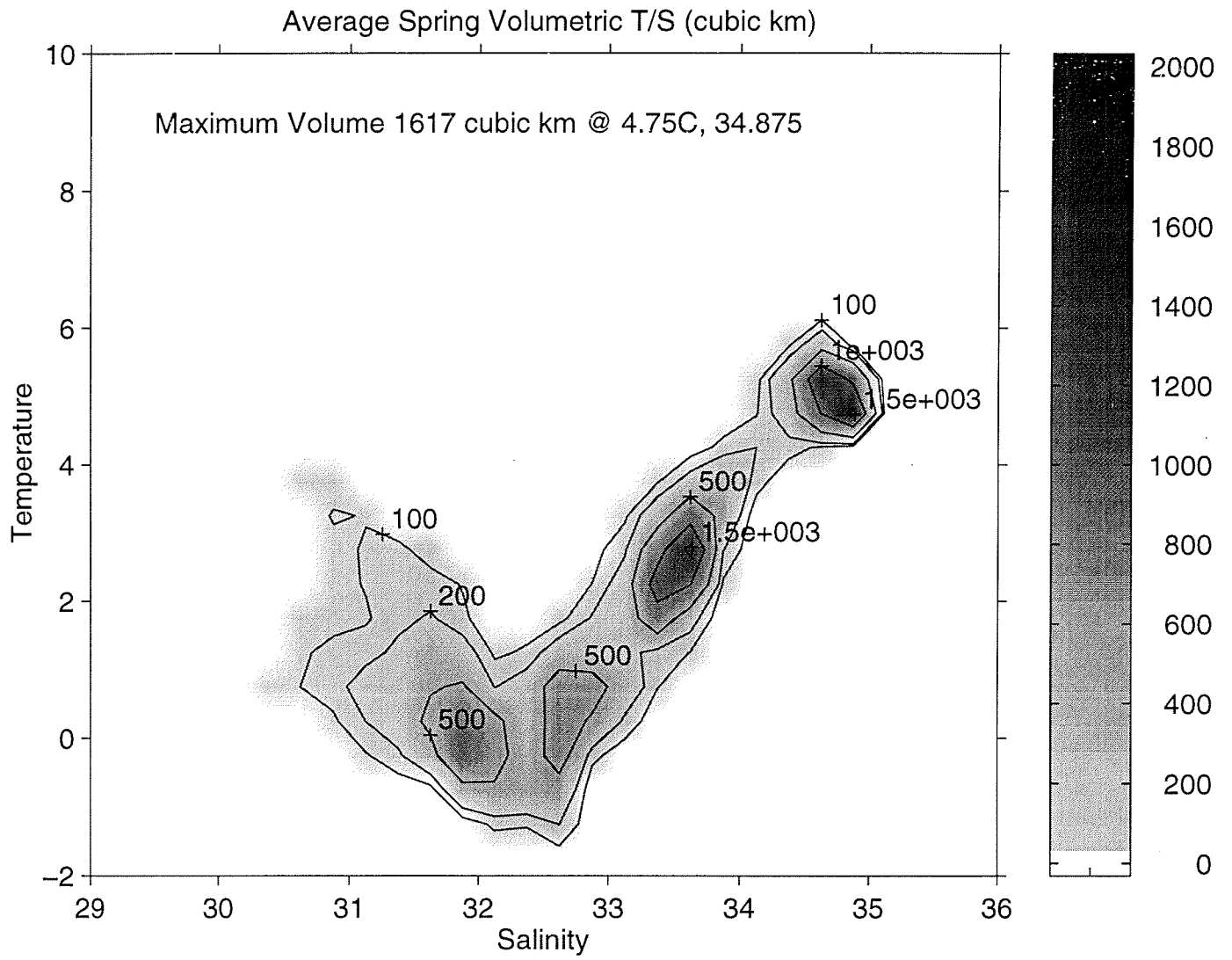
Sigma-T November 15 : 150m



Bottom Sigma-T November 15







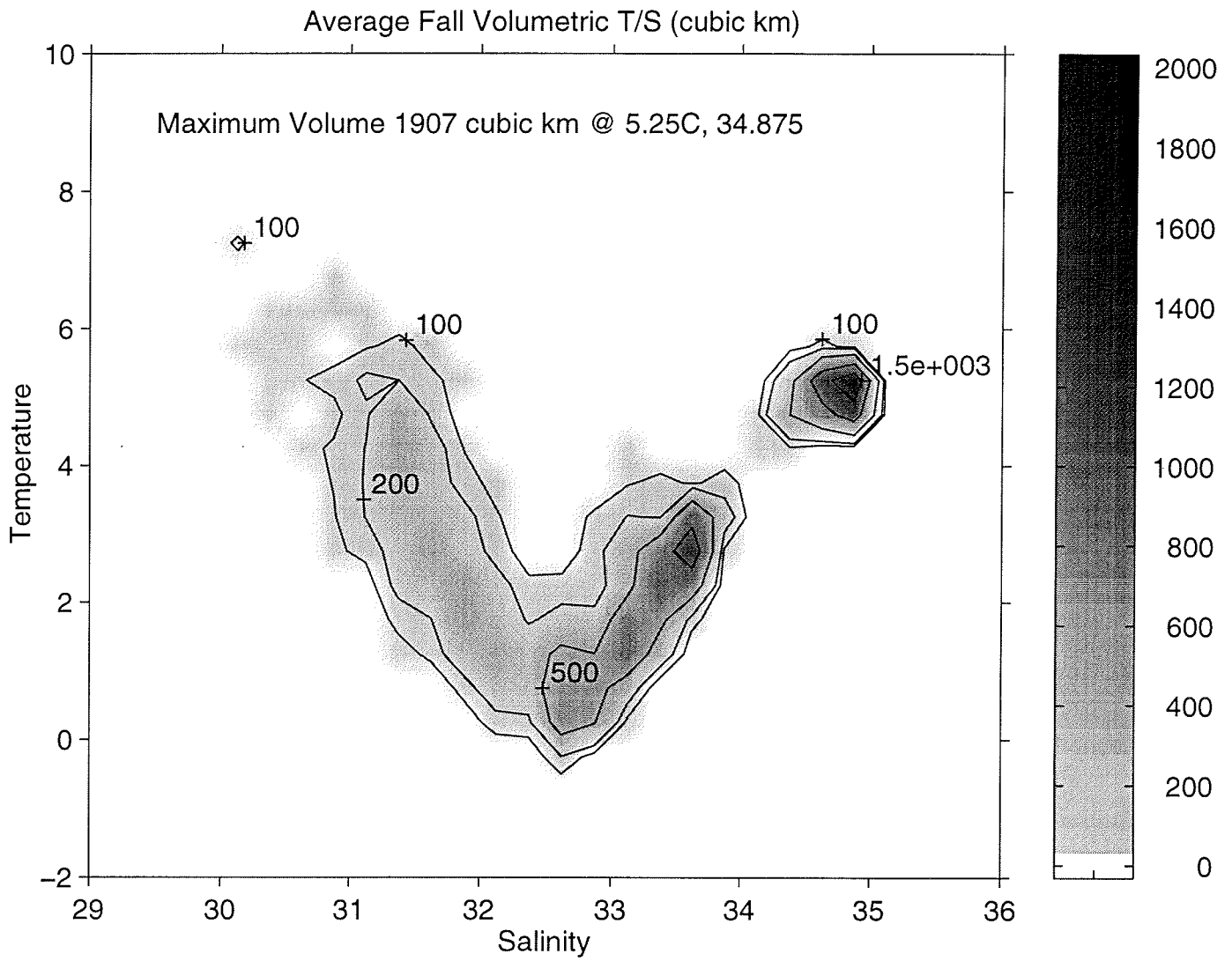


Table 1: TEMPERATURE AT SUBAREA 1 NW CABOT STRAIT

MEAN, S.D., NO. OF OBSERVATIONS

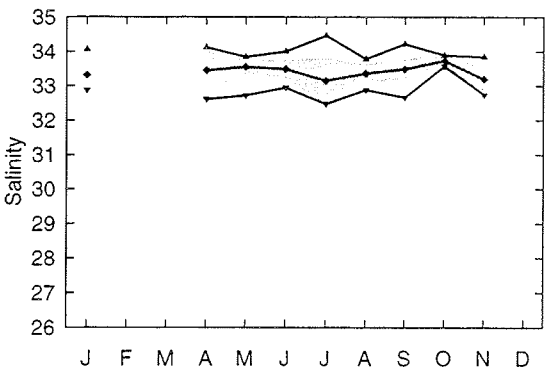
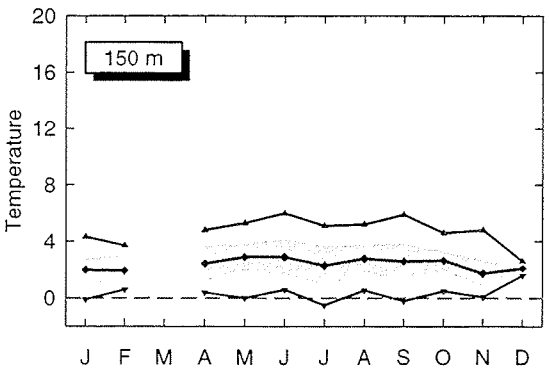
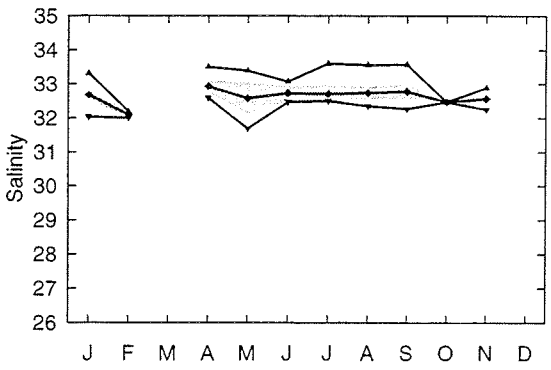
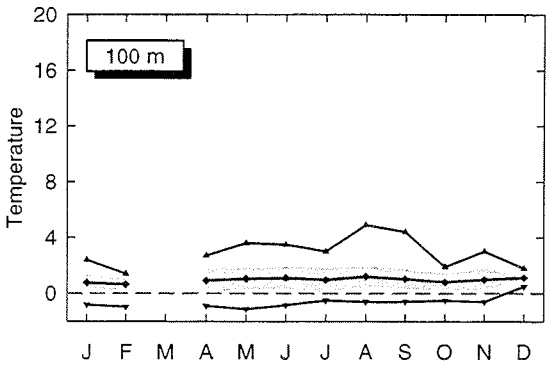
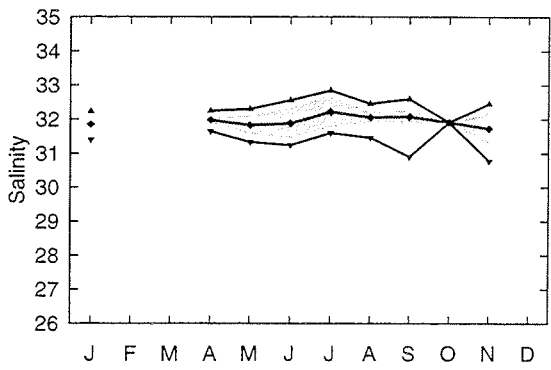
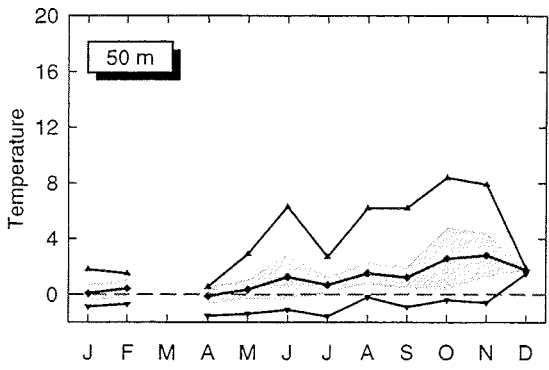
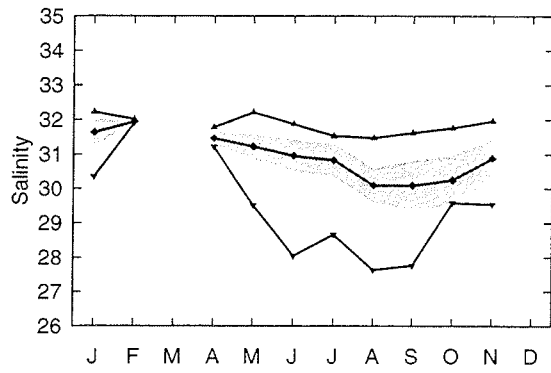
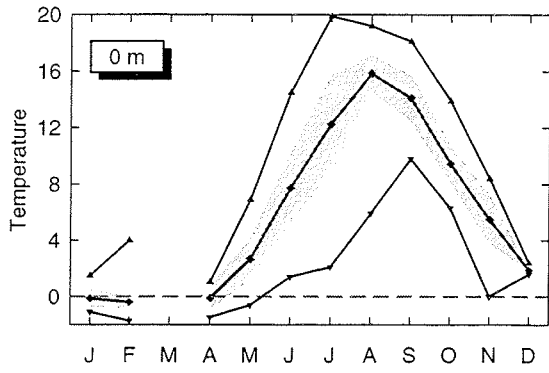
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	-0.13	-0.40		-0.11	2.68	7.71	12.26	15.84	14.11	9.47	5.49	1.89
	0.64	0.38		0.80	1.45	2.47	3.46	1.30	1.61	1.30	1.73	-99.0
	83	34		28	292	215	99	266	339	85	152	10
10	-0.06	0.40		-0.40	2.34	6.59	10.56	13.22	13.69	9.42	5.15	1.87
	0.71	0.57		0.70	1.19	1.70	3.46	2.21	1.18	1.41	1.53	-99.0
	78	26		32	281	294	266	529	567	49	119	15
20	0.17	0.31		-0.08	1.48	4.86	7.63	8.34	10.10	9.16	5.63	1.84
	0.69	0.79		0.83	0.97	1.72	3.08	2.66	2.60	1.31	1.69	-99.0
	68	28		31	297	299	369	1064	851	70	133	15
30	0.07	0.35		-0.28	1.12	3.30	4.38	4.52	5.74	7.13	5.07	1.84
	0.72	0.45		0.91	0.93	1.80	2.55	2.56	2.27	1.97	1.63	-99.0
	71	29		30	282	294	334	661	854	255	196	15
50	0.08	0.42		-0.13	0.35	1.26	0.68	1.52	1.22	2.57	2.81	1.77
	0.66	0.67		0.66	0.73	1.60	0.61	0.79	0.78	2.29	1.62	-99.0
	78	28		35	246	188	155	253	597	137	277	12
75	0.46	0.74		0.03	0.49	0.69	0.47	0.96	0.69	1.17	1.37	1.47
	0.60	0.35		0.68	0.80	0.93	0.73	0.64	0.46	0.89	1.09	-99.0
	85	29		34	229	148	94	192	502	50	146	12
100	0.76	0.64		0.92	1.05	1.11	0.98	1.21	1.03	0.83	0.99	1.13
	0.57	0.41		0.86	0.78	0.80	0.88	0.74	0.70	0.59	0.79	-99.0
	162	42		64	359	204	151	303	772	80	216	20
150	1.99	1.94		2.43	2.90	2.90	2.29	2.79	2.59	2.66	1.74	2.10
	0.77	1.15		1.25	0.93	1.29	1.38	1.02	1.25	0.70	0.95	-99.0
	151	26		45	253	140	118	203	363	76	179	2
200	3.93	4.00		4.85	4.56	4.20	4.47	4.44	4.01	4.01	3.50	
	0.36	1.92		0.94	0.80	1.05	0.52	1.08	1.14	0.32	0.86	
	97	22		34	170	78	51	134	275	56	90	
250	5.07	4.71		5.51	5.15	4.97	5.20	5.01	5.25	4.90	4.78	
	0.31	1.27		0.54	0.83	1.30	0.38	0.55	0.54	0.49	0.73	
	56	18		22	102	52	27	97	198	21	44	
300	5.28	5.27		5.22	5.25	4.89	5.32	5.09	4.93	4.91	4.94	
	0.15	0.59		0.60	0.91	1.58	0.36	0.86	0.62	0.57	0.58	
	41	5		16	38	10	40	13	238	5	4	
400	4.94	5.10		4.85	5.07	4.88	4.88	4.48	4.10		5.00	
	0.08	0.42		0.45	0.74	0.65	0.16	0.54	0.08		0.27	
	14	3		4	18	5	11	13	3		4	
500	4.90				4.61	4.31	4.70	5.10			4.75	
	-99.0				0.32	-99.0	-99.0	0.20			0.10	
	1				7	4	1	2			2	

Table 1: SALINITY AT SUBAREA 1 NW CABOT STRAIT

MEAN, S.D., NO. OF OBSERVATIONS

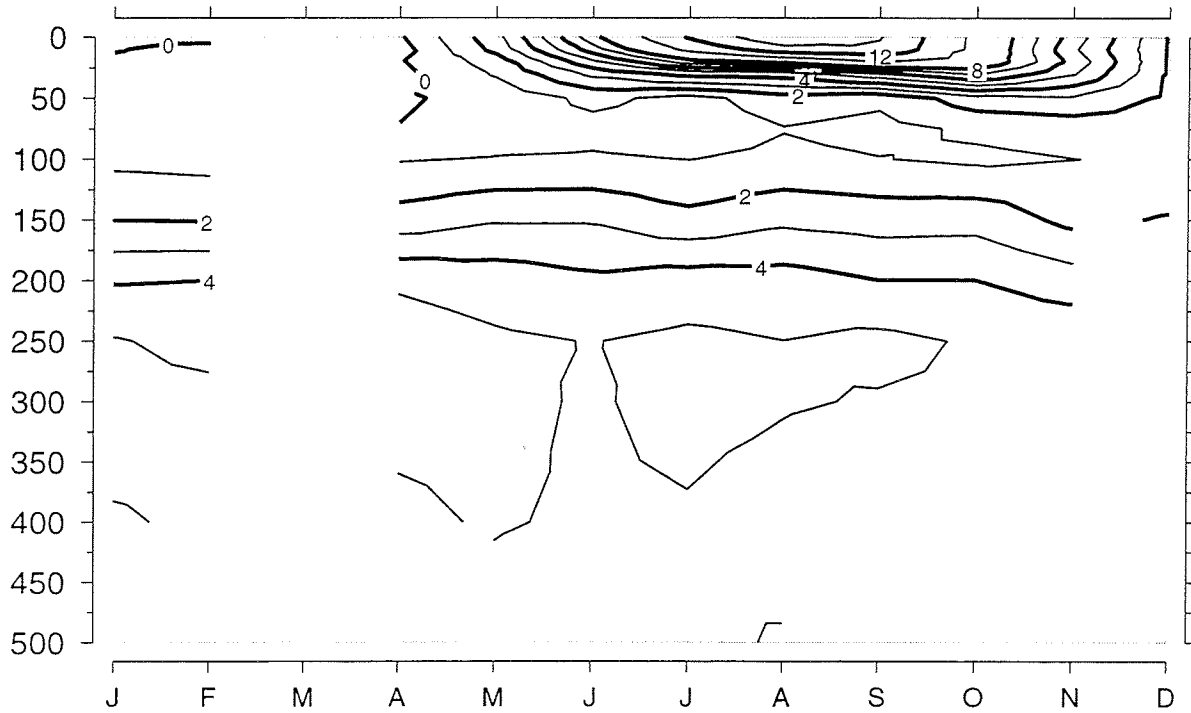
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.63	31.94		31.46	31.22	30.95	30.83	30.09	30.09	30.25	30.88	
	0.39	-99.0		0.19	0.35	0.45	0.47	0.50	0.72	0.71	0.55	
	31	13		16	117	68	33	91	124	9	27	
10	31.78			31.61	31.21	31.06	30.70	30.21	30.15	29.60	31.12	
	0.30			0.18	0.51	0.43	0.27	0.59	0.67	-99.0	0.31	
	18			17	31	14	50	27	190	1	10	
20	31.60			31.66	31.31	31.29	30.94	30.94	30.75	30.73	31.05	
	0.20			0.14	0.43	0.35	0.36	0.47	0.73	-99.0	0.45	
	11			16	33	15	92	42	254	1	11	
30	31.80			31.68	31.49	31.43	31.74	31.51	31.35	30.73	31.15	
	0.29			0.15	0.53	0.38	0.50	0.30	0.49	-99.0	0.44	
	17			14	33	13	86	43	254	1	15	
50	31.85			31.98	31.83	31.88	32.22	32.06	32.08	31.91	31.73	
	0.27			0.08	0.27	0.44	0.46	0.14	0.19	-99.0	0.45	
	23			20	36	14	62	38	227	1	16	
75	32.16	31.92		32.49	32.30	32.41	32.78	32.53	32.44		32.37	
	0.10	-99.0		0.20	0.14	0.34	0.47	0.21	0.17		0.27	
	33	1		18	33	12	37	30	175		4	
100	32.67	32.09		32.93	32.58	32.73	32.71	32.74	32.78	32.47	32.57	
	0.12	0.09		0.16	0.46	0.21	0.25	0.19	0.20	-99.0	0.22	
	73	2		36	42	11	68	43	287	1	8	
150	33.31			33.45	33.55	33.49	33.15	33.36	33.49	33.73	33.19	
	0.23			0.60	0.20	0.28	0.68	0.27	0.31	0.16	0.36	
	60			18	36	10	86	36	136	2	11	
200	34.06	33.30		34.20	34.13	33.85	34.40	33.87	33.95	33.86	33.61	
	0.18	-99.0		0.24	0.11	0.33	-99.0	0.27	0.27	-99.0	0.30	
	60	1		14	33	7	32	7	107	1	5	
250	34.45	34.23		34.30	34.41	34.56	34.72	34.44	34.42		33.75	
	0.10	-99.0		0.39	0.05	0.05	-99.0	0.11	0.16		-99.0	
	40	1		10	25	4	14	3	63		1	
300	34.64	34.72		34.39	34.53	34.71	34.80	34.56	34.53		34.58	
	0.08	0.05		0.38	0.15	0.03	-99.0	0.16	0.14		0.08	
	40	3		17	36	4	24	5	91		3	
400	34.82	34.81		34.84	34.80	34.84	34.87	34.71	34.64		34.78	
	0.04	-99.0		0.01	0.01	0.02	0.02	0.09	0.05		0.01	
	14	1		4	16	3	9	7	3		3	
500	34.82				34.79	34.74	34.94	34.90			34.81	
	-99.0				0.09	-99.0	-99.0	-99.0			0.02	
	1				6	4	1	1			2	

Statistics: NW CABOT STRAIT



Vertical Structure (Monthly Means): NW CABOT STRAIT

Temperature (deg C)



Salinity

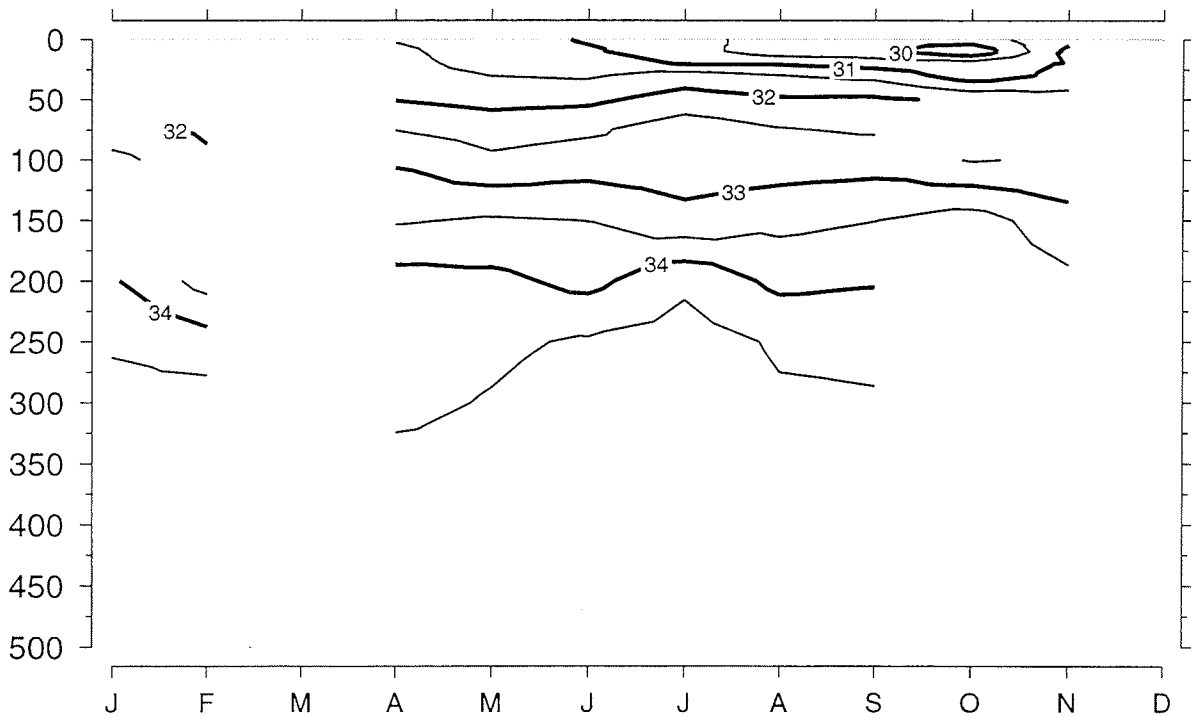


Table 2: TEMPERATURE AT SUBAREA 2 NE CABOT STRAIT

MEAN, S.D., NO. OF OBSERVATIONS

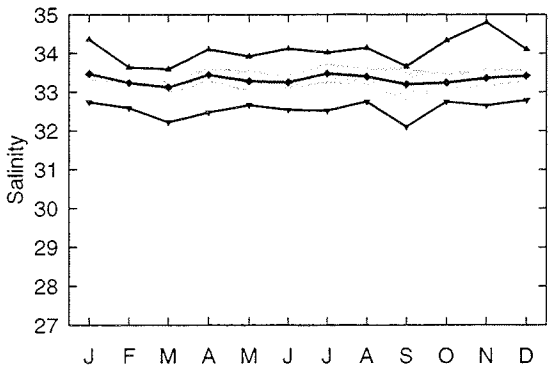
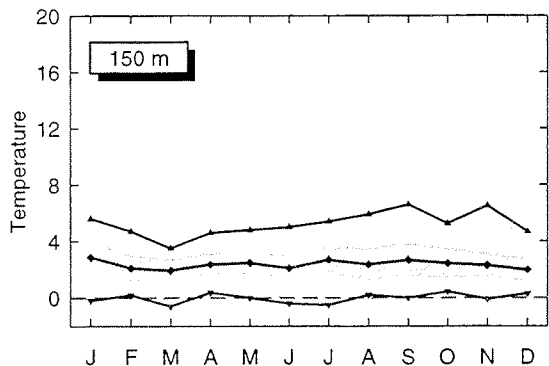
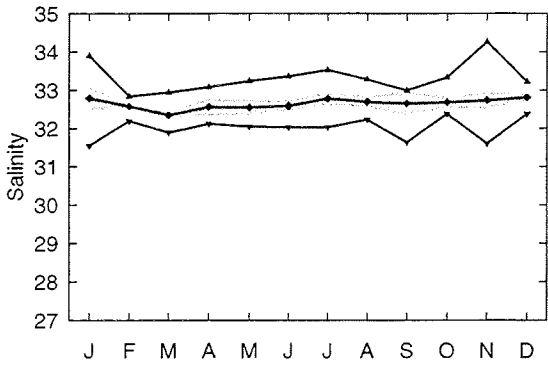
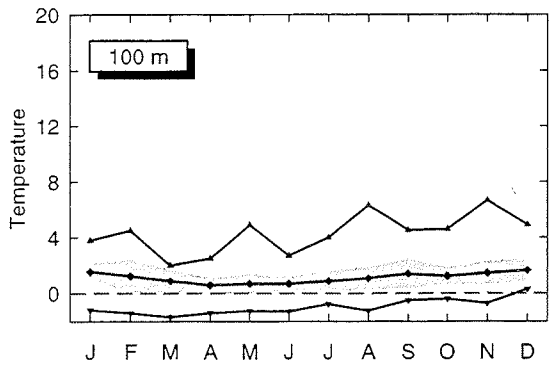
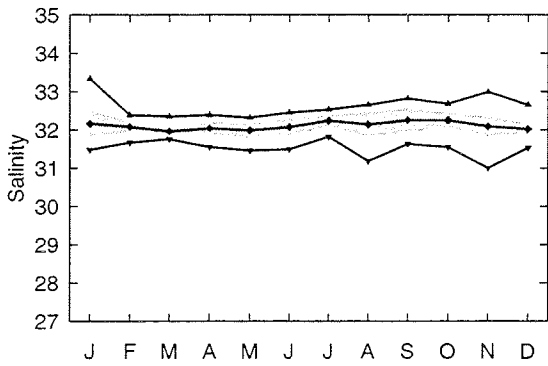
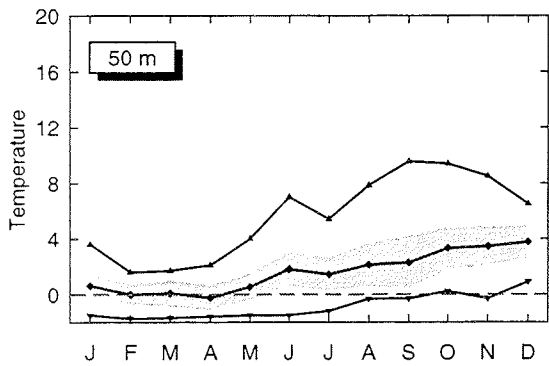
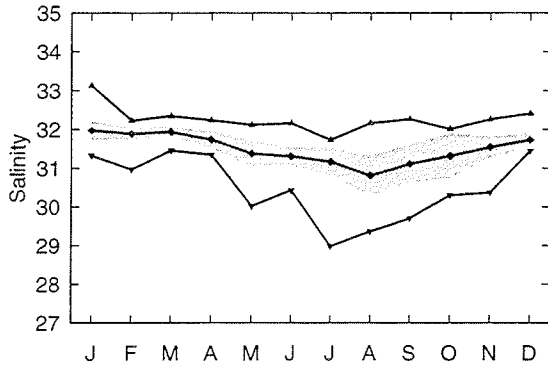
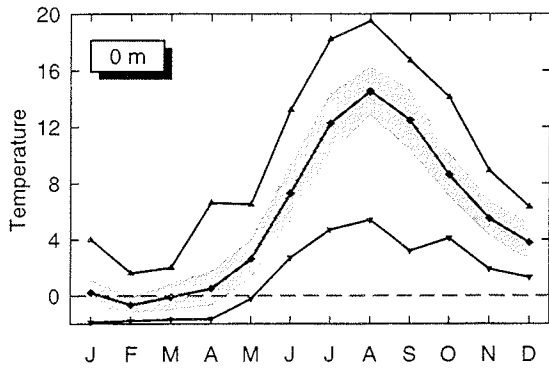
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	0.22	-0.66	-0.10	0.51	2.61	7.28	12.26	14.52	12.46	8.60	5.49	3.77
	1.00	0.58	0.99	1.24	1.40	2.06	2.11	1.77	2.14	1.56	1.26	1.30
	214	110	92	67	375	447	238	538	174	220	460	42
10	0.45	-0.50	-0.04	0.46	2.34	6.48	10.60	12.40	10.92	8.44	5.17	4.14
	0.97	0.44	1.02	1.21	1.23	2.10	2.19	1.94	2.71	1.85	1.30	1.21
	194	55	163	76	394	536	547	1131	324	151	355	44
20	0.59	0.00	0.19	0.14	1.66	4.69	6.97	9.10	8.37	7.45	5.11	4.36
	0.81	0.73	1.07	1.02	1.15	1.95	2.94	2.35	3.52	1.23	1.45	1.03
	175	64	139	77	419	692	900	2132	583	269	392	42
30	0.59	-0.33	0.27	-0.01	1.19	3.76	4.50	5.90	6.09	6.27	4.94	4.04
	0.98	0.65	1.01	1.01	1.12	1.63	2.46	2.39	3.14	1.42	1.58	1.37
	187	55	112	76	400	715	551	1554	623	380	530	61
50	0.62	-0.01	0.07	-0.25	0.54	1.82	1.44	2.13	2.29	3.32	3.45	3.77
	0.83	0.71	0.94	0.90	0.96	1.24	1.17	1.56	1.90	1.47	1.39	1.17
	227	83	91	73	329	457	229	526	159	368	853	121
75	1.07	0.29	0.42	0.15	0.33	0.76	0.70	1.04	1.37	1.57	2.08	2.60
	0.70	0.62	0.80	0.89	0.80	0.46	0.71	0.73	0.76	0.71	1.08	1.53
	275	66	130	75	281	315	170	328	102	140	538	95
100	1.56	1.25	0.89	0.59	0.69	0.69	0.88	1.08	1.40	1.24	1.46	1.65
	0.57	1.18	0.81	0.52	0.70	0.49	0.74	0.80	1.05	0.61	0.84	0.80
	489	124	161	113	411	451	257	501	146	207	712	157
150	2.87	2.10	1.93	2.37	2.47	2.09	2.69	2.35	2.67	2.44	2.29	1.96
	1.12	0.99	0.77	0.79	0.80	0.85	0.93	1.14	1.23	1.06	0.90	0.82
	462	94	136	108	385	392	220	447	103	117	609	144
200	4.68	4.37	4.19	4.73	4.29	4.27	4.85	4.43	4.59	4.40	4.53	4.34
	1.01	1.06	1.13	0.83	1.18	0.96	0.71	0.82	1.44	0.68	0.80	0.94
	388	83	97	97	355	354	185	358	90	101	401	126
250	5.64	5.54	5.41	5.64	5.38	5.48	5.32	5.21	5.70	5.38	5.42	5.37
	0.72	0.84	0.51	0.61	0.57	0.52	0.25	0.44	0.95	0.45	0.55	0.61
	221	55	60	38	217	252	156	247	49	73	265	58
300	5.84	5.58	5.47	5.32	5.02	5.05	5.11	5.05	5.39	4.89	5.22	5.68
	0.55	0.46	0.44	0.29	0.65	0.53	0.37	0.43	0.96	0.45	0.56	0.45
	283	29	44	31	215	38	36	96	45	10	191	114
400	5.17	5.08	4.95	4.87	4.92	5.09	4.74	4.70	4.93	4.70	4.85	5.23
	0.52	0.34	0.29	0.16	0.61	1.10	0.31	0.40	0.76	0.13	0.41	0.17
	81	15	33	22	82	25	13	52	30	4	91	88
500	5.37				4.53	4.46		4.74	4.55	4.55	4.61	
	1.24				0.43	0.16		0.53	0.52	0.17	0.03	
	15				14	2		6	4	2	3	

Table 2: SALINITY AT SUBAREA 2 NE CABOT STRAIT

MEAN, S.D., NO. OF OBSERVATIONS

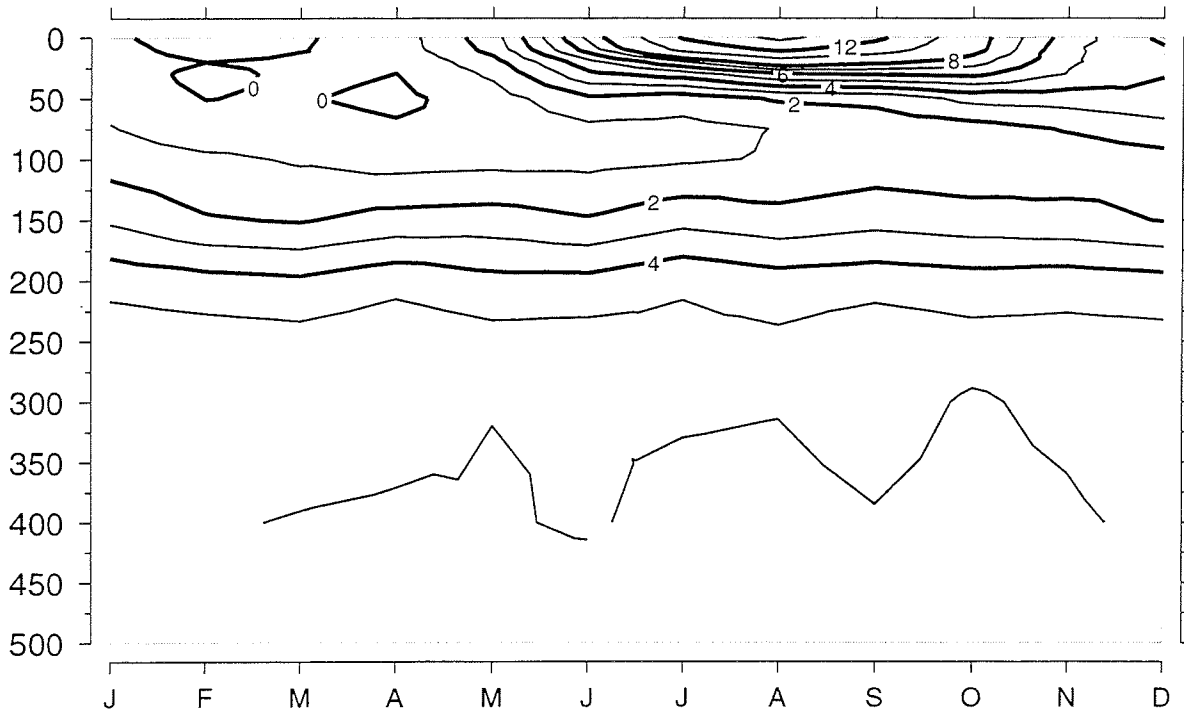
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.98	31.89	31.94	31.74	31.38	31.31	31.17	30.81	31.11	31.32	31.54	31.73
	0.23	0.15	0.12	0.22	0.33	0.24	0.36	0.51	0.50	0.57	0.27	0.17
	54	18	74	30	137	94	41	188	34	22	144	17
10	32.06	31.94	31.86	31.78	31.47	31.43	31.26	31.08	31.35	31.38	31.61	31.79
	0.27	0.16	0.02	0.12	0.33	0.20	0.41	0.52	0.51	0.54	0.31	0.23
	80	16	141	51	166	52	35	123	24	27	138	28
20	32.10	32.02	31.91	31.79	31.58	31.62	31.66	31.46	31.78	31.46	31.66	31.81
	0.34	0.17	0.04	0.17	0.24	0.25	0.25	0.48	0.44	0.63	0.31	0.22
	79	16	120	51	184	62	37	142	27	26	163	27
30	32.07	32.01	31.89	31.83	31.72	31.78	31.88	31.80	31.95	31.63	31.76	31.92
	0.28	0.18	0.01	0.17	0.24	0.25	0.19	0.31	0.39	0.67	0.28	0.24
	88	14	97	50	164	58	33	134	28	22	196	44
50	32.17	32.08	31.96	32.04	31.99	32.07	32.24	32.14	32.25	32.25	32.09	32.02
	0.35	0.14	0.04	0.15	0.18	0.22	0.15	0.32	0.31	0.19	0.25	0.13
	97	15	77	46	121	58	29	140	26	22	226	75
75	32.43	32.24	32.08	32.23	32.26	32.37	32.45	32.46	32.57	32.49	32.48	32.52
	0.28	0.07	0.04	0.11	0.17	0.16	0.15	0.15	0.14	0.11	0.23	0.11
	130	15	107	45	125	50	27	111	25	17	199	71
100	32.79	32.58	32.35	32.56	32.55	32.59	32.78	32.69	32.65	32.68	32.73	32.81
	0.30	0.02	0.09	0.22	0.20	0.13	0.16	0.14	0.32	0.13	0.22	0.08
	255	19	137	65	150	52	27	141	22	22	250	118
150	33.47	33.24	33.12	33.44	33.28	33.25	33.48	33.40	33.20	33.24	33.36	33.42
	0.19	0.01	0.19	0.18	0.27	0.19	0.26	0.24	0.43	0.24	0.25	0.16
	254	14	109	65	169	42	25	121	20	13	249	117
200	34.06	34.17	33.93	34.19	34.12	34.01	34.26	34.06	33.90	33.94	34.10	34.17
	0.17	0.15	0.26	0.17	0.23	0.20	0.21	0.18	0.54	0.21	0.19	0.17
	218	14	81	59	173	42	22	87	18	11	155	104
250	34.46	34.45	34.46	34.57	34.54	34.47	34.58	34.47	34.17	34.47	34.47	34.55
	0.09	0.07	0.13	0.16	0.11	0.21	0.13	0.08	0.68	0.10	0.13	0.06
	148	9	52	21	95	24	14	52	11	10	96	43
300	34.63	34.65	34.63	34.67	34.60	34.61	34.69	34.60	34.53	34.61	34.64	34.68
	0.05	0.05	0.03	0.08	0.13	0.10	0.12	0.07	0.24	0.10	0.13	0.03
	206	9	40	26	184	26	23	78	20	7	153	105
400	34.80	34.88	34.83	34.78	34.76	34.80	34.79	34.79	34.81	34.76	34.80	34.83
	0.02	0.05	0.01	0.14	0.09	0.07	0.06	0.09	0.10	0.08	0.10	0.03
	69	3	31	16	69	19	8	41	15	4	76	84
500	34.82				34.81	34.82		34.83	34.75	34.79		
	0.02				0.07	0.03		0.06	0.03	-99.0		
	7				11	2		6	3	1		

Statistics: NE CABOT STRAIT



Vertical Structure (Monthly Means): NE CABOT STRAIT

Temperature (deg C)



Salinity

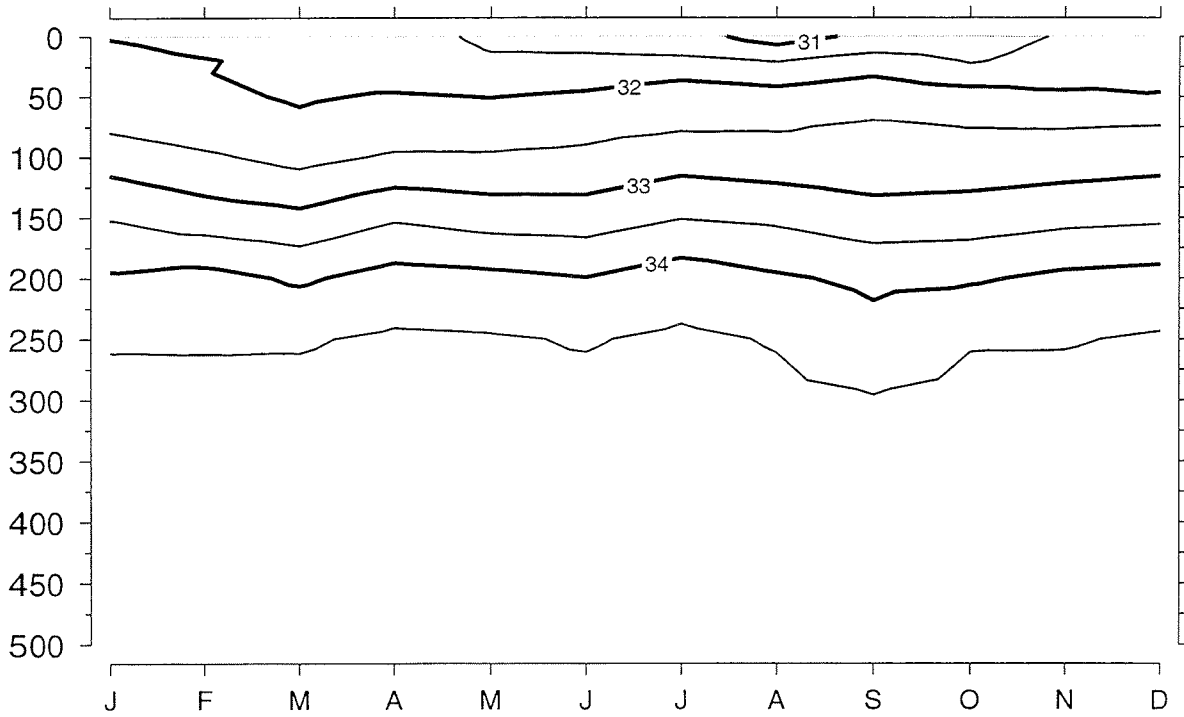


Table 3: TEMPERATURE AT SUBAREA 3 E ESQUIMAN CHANNEL

MEAN, S.D., NO. OF OBSERVATIONS

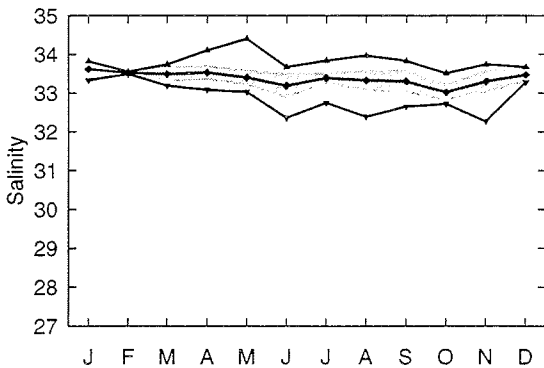
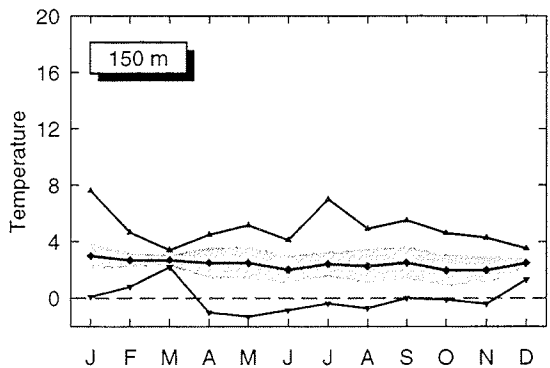
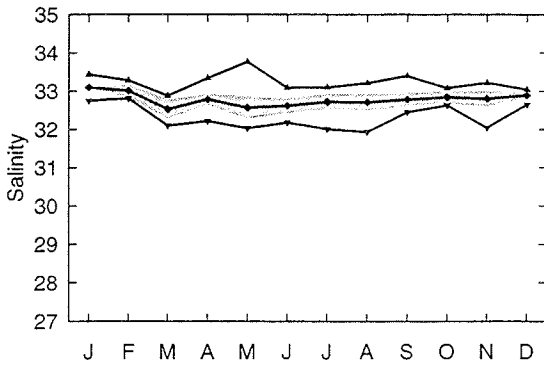
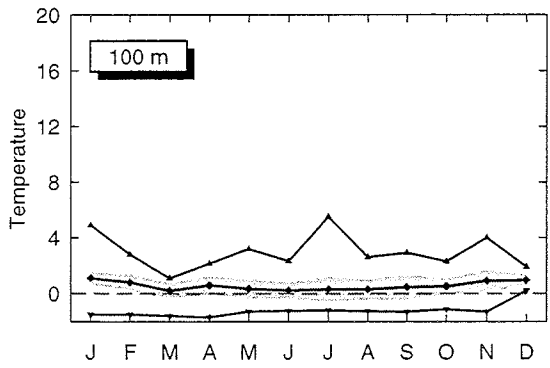
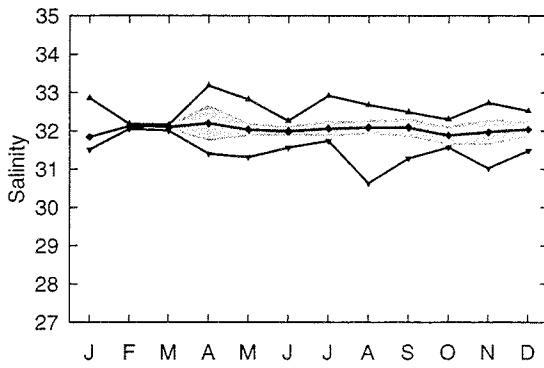
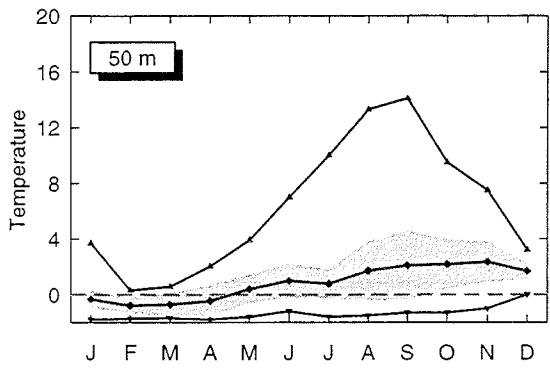
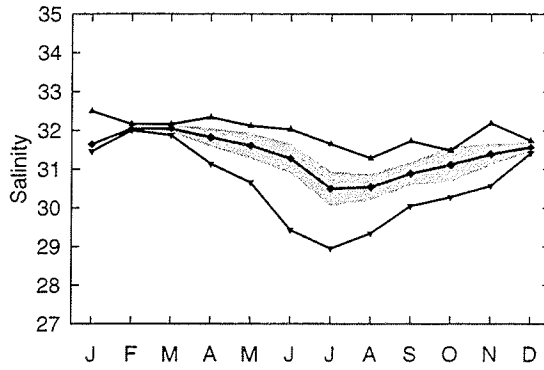
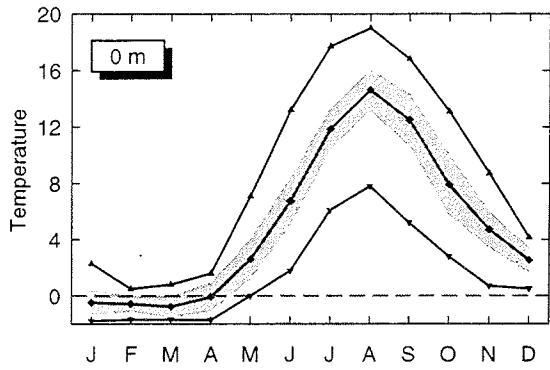
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	-0.48	-0.57	-0.77	-0.08	2.61	6.74	11.86	14.61	12.50	7.89	4.72	2.53
	0.88	0.58	0.79	1.02	1.42	1.71	1.47	1.50	1.84	2.15	1.30	0.91
	42	59	7	66	250	459	413	546	282	155	386	35
10	-0.30	-0.82	-0.71	-0.21	2.23	6.01	10.48	13.13	11.93	7.88	4.61	2.49
	1.05	0.81	0.89	0.92	1.28	1.64	1.57	1.63	2.20	2.12	1.35	0.67
	17	23	5	86	288	527	819	857	307	73	198	31
20	-0.55	-0.41	-0.72	-0.29	1.61	4.43	7.85	9.60	9.52	7.10	4.43	2.83
	0.97	0.92	0.98	0.88	0.99	1.33	2.48	3.20	2.48	1.71	1.45	0.81
	17	17	3	83	360	799	1626	2261	1245	202	261	28
30	-0.35	-0.41	-0.72	-0.34	1.14	3.62	5.28	6.45	6.88	5.47	4.00	2.64
	0.68	0.88	0.98	0.91	1.07	1.62	2.11	3.00	2.71	2.29	1.42	0.99
	23	26	4	84	327	859	1001	2089	1629	600	463	37
50	-0.33	-0.79	-0.72	-0.46	0.39	1.00	0.78	1.71	2.09	2.18	2.35	1.68
	0.61	0.53	0.83	1.12	1.05	1.22	1.04	2.12	2.48	1.79	1.47	0.56
	27	22	8	76	281	328	345	735	523	343	679	72
75	0.17	-0.05	-0.62	-0.04	0.04	0.15	-0.17	0.06	0.21	0.42	0.99	0.91
	0.48	0.84	0.86	1.30	0.47	0.66	0.64	0.58	0.83	0.53	0.94	0.53
	53	41	5	73	211	168	151	346	185	87	216	36
100	1.11	0.81	0.19	0.59	0.34	0.22	0.30	0.29	0.45	0.51	0.91	0.96
	0.43	0.57	0.56	0.64	0.69	0.56	0.88	0.71	0.90	0.56	0.77	0.40
	67	56	15	88	274	224	268	478	222	140	298	48
150	2.99	2.68	2.68	2.49	2.50	2.00	2.41	2.25	2.50	1.96	1.97	2.47
	0.93	0.49	0.39	1.09	1.17	1.01	0.87	1.25	1.15	1.13	0.95	0.38
	41	28	6	76	172	119	156	307	145	99	201	21
200	4.49	4.76	4.56	4.54	4.54	4.50	4.47	4.22	4.21	4.01	3.97	4.57
	0.80	0.65	0.39	0.62	0.75	0.75	0.86	1.01	1.13	0.47	0.89	0.64
	29	33	6	55	132	72	98	136	150	63	150	9
250	5.07	5.22	4.90	5.03	5.29	5.21	5.26	5.15	5.04	5.07	4.91	5.37
	0.82	0.47	0.49	0.48	0.68	0.74	0.47	0.60	0.97	0.33	0.44	0.45
	11	22	3	16	83	27	41	60	65	46	116	4
300	5.44	5.28	5.22	5.17	5.51	5.12	5.68	5.26	5.44	5.05	5.04	5.90
	1.31	0.53	-99.0	0.17	0.53	0.63	0.37	0.68	0.87	0.46	0.62	-99.0
	28	10	3	6	30	8	16	21	38	14	35	1

Table 3: SALINITY AT SUBAREA 3 E ESQUIMAN CHANNEL

MEAN, S.D., NO. OF OBSERVATIONS

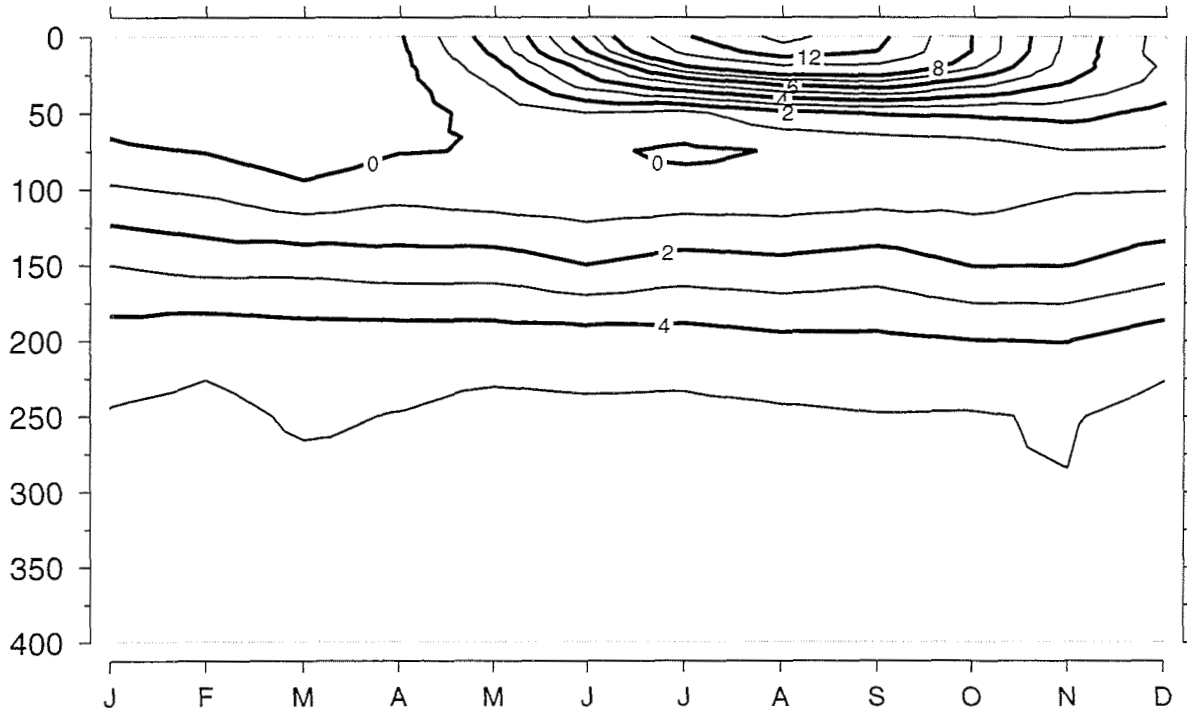
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.64	32.04	32.05	31.82	31.61	31.28	30.50	30.54	30.89	31.12	31.39	31.57
	-99.0	0.04	0.09	0.24	0.33	0.38	0.45	0.34	0.30	0.45	0.28	0.12
	1	3	4	54	62	61	51	200	41	9	65	11
10	31.80	32.06	32.05	31.87	31.71	31.35	30.83	30.74	30.93	31.11	31.42	31.48
	-99.0	0.02	0.10	0.29	0.23	0.33	0.39	0.28	0.28	0.38	0.24	0.18
	3	4	4	80	74	39	68	203	63	17	70	26
20	31.79	32.05	32.09	31.94	31.76	31.61	31.31	31.36	31.12	31.23	31.46	31.47
	-99.0	0.03	0.08	0.41	0.20	0.20	0.38	0.31	0.31	0.44	0.26	0.16
	2	4	3	81	71	44	69	259	65	15	68	23
30	31.79	32.05	32.09	31.99	31.81	31.70	31.49	31.62	31.43	31.30	31.48	31.56
	-99.0	0.03	0.08	0.41	0.19	0.17	0.39	0.29	0.42	0.48	0.25	0.22
	6	4	4	80	71	35	55	236	80	15	77	28
50	31.84	32.12	32.10	32.20	32.03	31.99	32.06	32.09	32.09	31.88	31.97	32.04
	-99.0	-99.0	0.04	0.47	0.17	0.13	0.20	0.19	0.25	0.24	0.34	0.21
	7	4	5	75	62	35	35	217	75	11	144	29
75		32.64	32.15	32.48	32.37	32.29	32.27	32.36	32.55	32.47	32.50	32.60
		0.33	0.06	0.35	0.20	0.10	0.35	0.19	0.16	-99.0	0.25	0.05
		6	4	69	56	21	22	168	46	3	53	16
100	33.10	33.01	32.53	32.79	32.57	32.62	32.72	32.71	32.78	32.84	32.80	32.89
	-99.0	0.16	0.25	0.14	0.29	0.19	0.20	0.22	0.17	0.16	0.20	0.06
	9	8	14	84	57	23	20	229	55	7	75	25
150	33.62	33.52	33.49	33.53	33.40	33.19	33.39	33.33	33.30	33.02	33.30	33.47
	-99.0	-99.0	0.21	0.19	0.20	0.32	0.15	0.27	0.29	0.22	0.29	0.19
	7	2	6	71	38	14	16	153	39	5	32	4
200	34.17	34.22	34.15	34.06	33.99	33.82	33.96	34.03	33.96	34.07	33.95	
	-99.0	0.06	0.12	0.40	0.10	0.31	0.28	0.27	0.17	0.07	0.34	
	11	3	5	55	39	4	6	32	27	2	13	
250	34.40	34.44	34.41	34.37	34.29	34.37	34.56	34.31	34.36	34.37	34.57	
	-99.0	-99.0	0.13	0.11	0.08	0.25	0.12	0.20	0.20	0.03	-99.0	
	4	2	3	13	13	3	2	11	12	2	1	
300	34.39	34.57	34.65	34.49	34.48	34.49		34.72	34.56			
	-99.0	-99.0	-99.0	0.09	0.18	0.13		-99.0	0.20			
	1	2	3	6	9	2		6	9			

Statistics: E ESQUIMAN CHANNEL



Vertical Structure (Monthly Means): E ESQUIMAN CHANNEL

Temperature (deg C)



Salinity

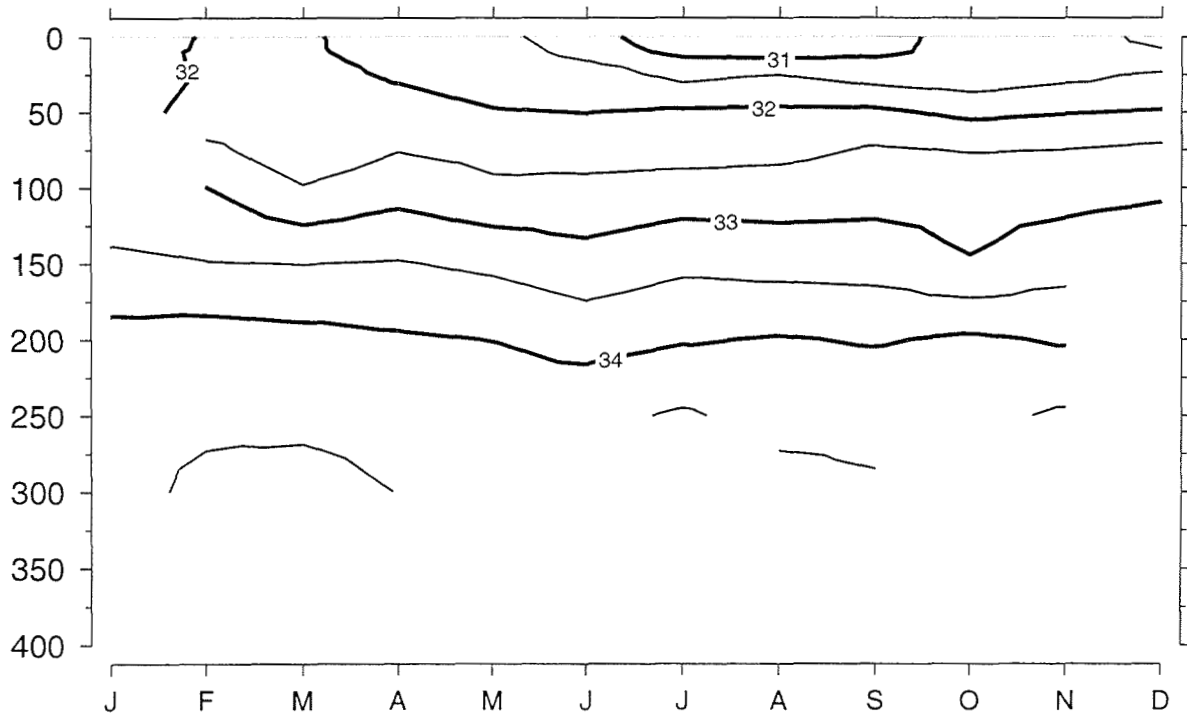


Table 4: TEMPERATURE AT SUBAREA 4 W ESQUIMAN CHANNEL

MEAN, S.D., NO. OF OBSERVATIONS

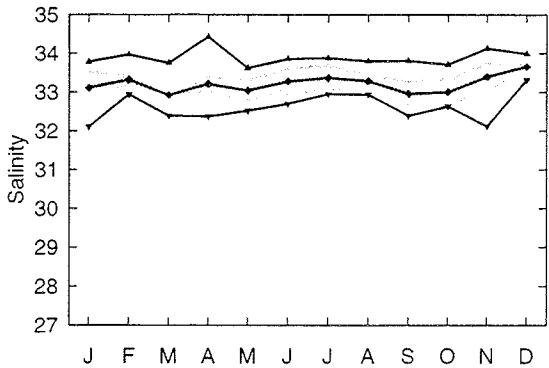
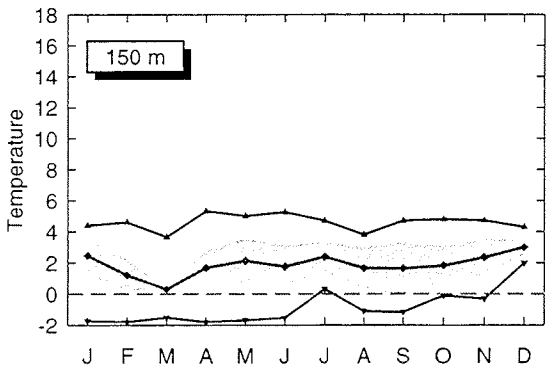
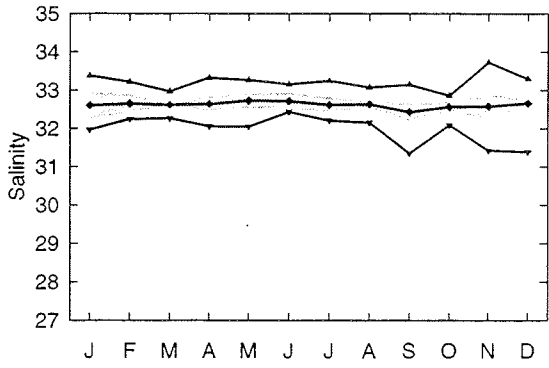
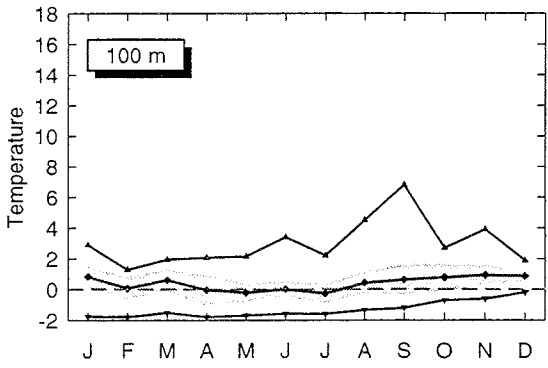
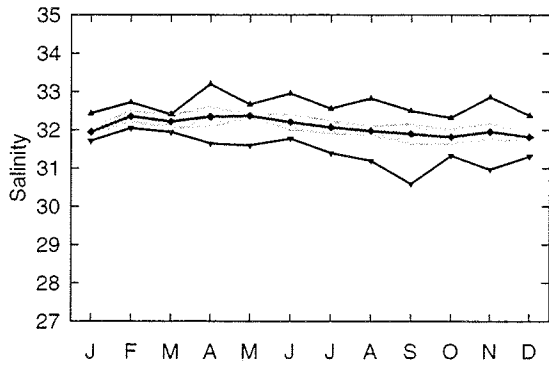
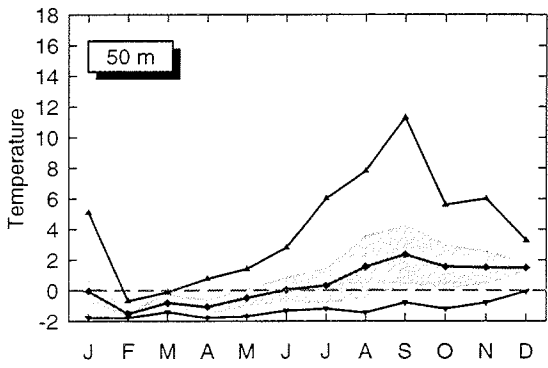
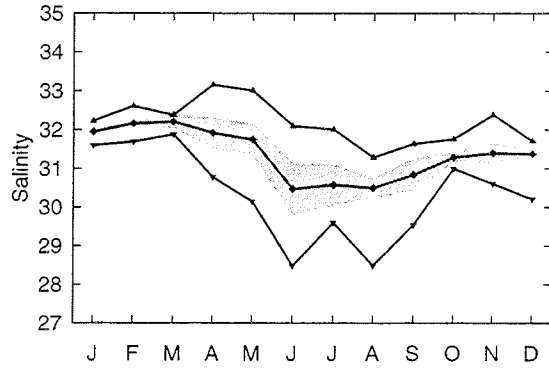
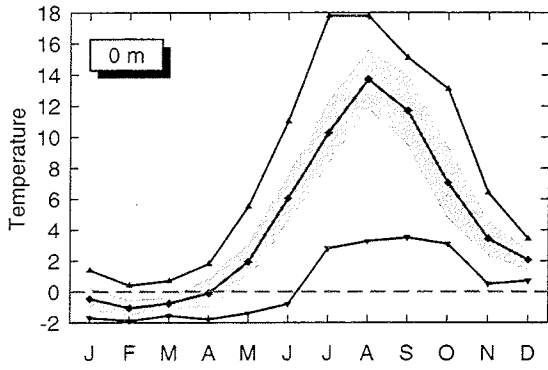
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	-0.45	-1.06	-0.76	-0.09	1.94	6.04	10.27	13.71	11.69	7.05	3.43	2.06
	0.74	0.53	0.44	0.95	1.21	1.54	2.07	1.87	2.32	2.35	1.13	0.67
	60	51	5	100	95	230	233	225	179	101	207	27
10	-0.34	-1.40	-1.00	-0.24	1.62	5.00	8.24	11.77	10.69	7.75	3.27	2.13
	0.80	0.07	0.64	0.85	1.10	1.83	1.76	2.31	2.73	2.39	1.07	0.44
	49	36	4	142	177	483	826	615	279	54	130	50
20	-0.33	-1.57	-1.09	-0.27	0.98	3.29	4.70	8.75	8.61	7.36	3.23	2.21
	0.92	0.16	0.55	0.88	0.88	1.78	2.26	2.98	2.92	2.07	1.09	0.68
	51	22	4	144	190	482	1202	848	726	94	150	46
30	-0.06	-1.56	-0.67	-0.41	0.30	1.65	2.57	5.34	6.57	5.66	3.09	2.08
	1.08	0.18	0.92	0.85	0.63	1.21	1.30	3.39	2.46	1.93	0.99	0.52
	59	25	2	138	163	280	596	575	759	303	231	51
50	-0.04	-1.53	-0.80	-1.08	-0.49	0.05	0.31	1.54	2.34	1.55	1.50	1.49
	0.76	0.18	0.62	0.50	0.59	0.83	1.17	2.05	1.97	1.47	1.09	0.34
	60	24	3	121	128	140	200	278	313	143	349	78
75	0.18	-0.75	0.19	-0.56	-0.57	-0.28	-0.37	0.30	1.11	1.16	1.00	0.78
	0.47	0.86	0.16	0.85	0.45	0.44	0.50	0.98	1.58	1.76	0.66	0.38
	81	38	4	121	106	89	141	184	192	81	199	59
100	0.83	0.07	0.61	-0.03	-0.21	0.01	-0.27	0.41	0.63	0.79	0.93	0.87
	0.65	0.76	0.70	1.00	0.62	0.50	0.63	0.74	0.98	0.89	0.65	0.36
	98	54	4	155	161	145	229	304	233	104	305	138
150	2.46	1.20	0.30	1.68	2.13	1.76	2.39	1.66	1.63	1.82	2.34	3.00
	1.15	1.01	-99.0	1.11	1.44	1.34	0.98	1.31	1.70	1.23	1.15	0.46
	63	29	3	87	80	76	132	122	84	52	182	99
200	4.19	4.74	5.10	4.18	4.34	4.00	4.80	3.81	4.43	4.08	4.38	4.78
	1.21	0.35	-99.0	0.87	1.28	1.05	0.30	1.14	0.96	0.50	0.60	0.61
	45	7	1	27	41	41	77	86	45	36	111	76
250	4.94	4.61	5.16	5.23	5.21	5.19	4.87	5.16	5.56	5.06	5.07	5.35
	0.64	0.79	-99.0	0.45	0.58	0.48	0.68	0.54	0.49	0.50	0.57	0.39
	16	11	1	8	27	28	40	45	16	24	75	39
300	5.70				5.80	4.87	4.18	5.40	5.54	5.21	4.22	
	0.30				-99.0	0.61	2.08	0.76	0.31	0.43	-99.0	
	4				2	3	5	7	4	5	2	

Table 4: SALINITY AT SUBAREA 4 W ESQUIMAN CHANNEL

MEAN, S.D., NO. OF OBSERVATIONS

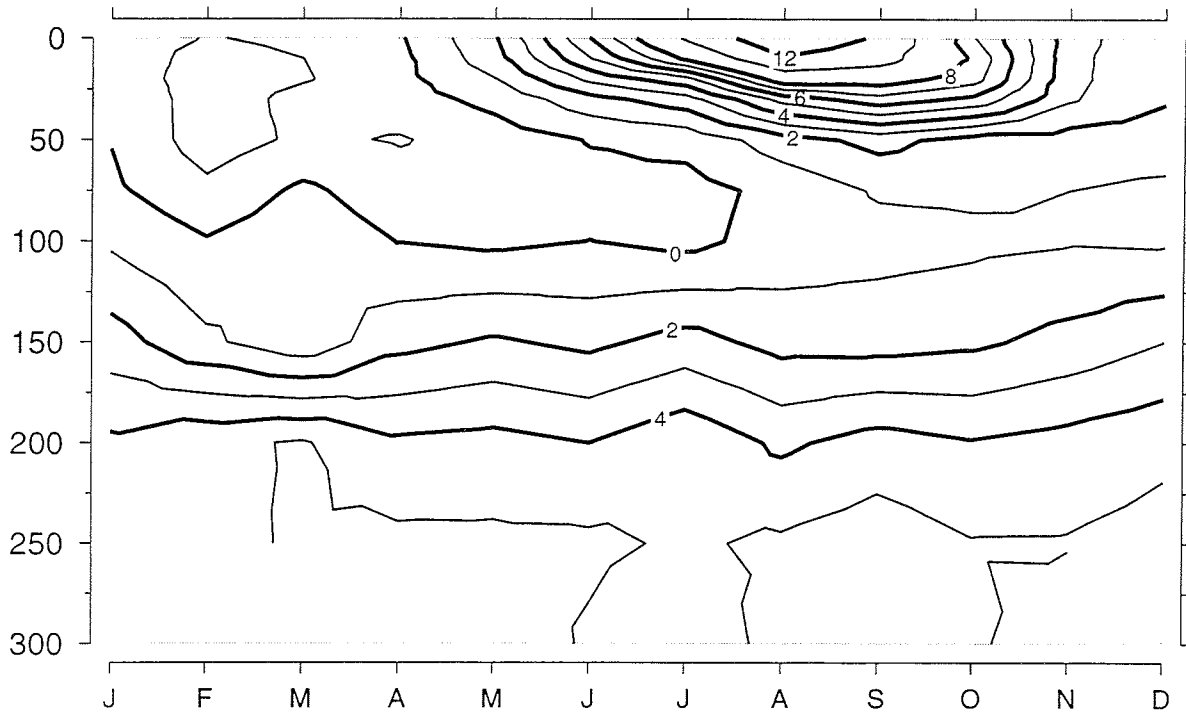
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.94	32.16	32.21	31.92	31.75	30.47	30.58	30.50	30.84	31.29	31.40	31.38
	0.11	0.03	0.17	0.40	0.40	0.67	0.54	0.26	0.43	0.12	0.27	0.13
	13	8	4	85	25	37	41	85	37	8	109	19
10	31.93	32.36	32.22	31.93	31.69	30.82	30.79	30.72	30.89	31.30	31.38	31.24
	0.12	0.19	0.20	0.39	0.33	0.77	0.46	0.23	0.39	0.05	0.30	0.23
	30	6	4	137	70	38	50	126	129	14	123	37
20	31.90	32.16	32.25	31.99	31.89	31.58	31.38	31.33	31.20	31.38	31.42	31.36
	0.10	0.01	0.12	0.39	0.20	0.39	0.32	0.26	0.42	0.04	0.27	0.07
	24	7	4	139	61	36	52	150	133	9	127	39
30	31.89	32.26	32.13	32.04	32.03	31.72	31.56	31.61	31.48	31.52	31.50	31.43
	0.10	0.10	0.27	0.41	0.21	0.36	0.27	0.25	0.35	0.17	0.19	0.10
	30	7	2	132	42	25	37	149	132	14	139	43
50	31.94	32.36	32.22	32.35	32.37	32.21	32.07	31.98	31.90	31.82	31.96	31.82
	0.10	0.17	0.19	0.29	0.07	0.23	0.19	0.15	0.29	0.23	0.24	0.11
	29	8	3	116	45	26	32	118	130	12	209	66
75	32.18	32.48	32.56	32.46	32.57	32.46	32.32	32.40	32.13	32.42	32.29	32.41
	0.08	0.22	0.36	0.21	0.14	0.22	0.29	0.18	0.20	0.08	0.26	0.11
	33	12	3	114	36	21	23	85	95	7	146	53
100	32.60	32.65	32.62	32.64	32.73	32.72	32.62	32.64	32.43	32.57	32.58	32.66
	0.35	0.24	-99.0	0.19	0.19	0.21	0.20	0.08	0.22	0.12	0.31	0.11
	32	14	3	147	41	19	27	152	119	8	233	121
150	33.11	33.32	32.92	33.21	33.04	33.28	33.37	33.29	32.96	33.00	33.40	33.66
	0.43	0.14	-99.0	0.21	0.28	0.36	0.35	0.18	0.33	0.37	0.37	0.08
	23	6	3	83	14	8	10	66	51	5	142	91
200	33.86	34.29	34.32	34.04	34.00	34.05	34.26	33.84	33.73	34.15	34.14	34.28
	0.49	0.05	-99.0	0.20	0.07	0.20	0.11	0.25	0.32	0.08	0.17	0.13
	22	2	1	22	8	6	5	52	19	4	81	72
250	34.44	34.56	34.57	34.50	34.42	34.45	34.44	34.43		34.58	34.45	34.57
	0.04	-99.0	-99.0	0.15	0.11	0.07	0.08	0.14		-99.0	0.15	0.10
	6	1	1	8	5	6	2	27		2	44	36
300								34.68	34.55		34.58	
								0.12	0.01		-99.0	
								2	2		2	

Statistics: W ESQUIMAN CHANNEL



Vertical Structure (Monthly Means): W ESQUIMAN CHANNEL

Temperature (deg C)



Salinity

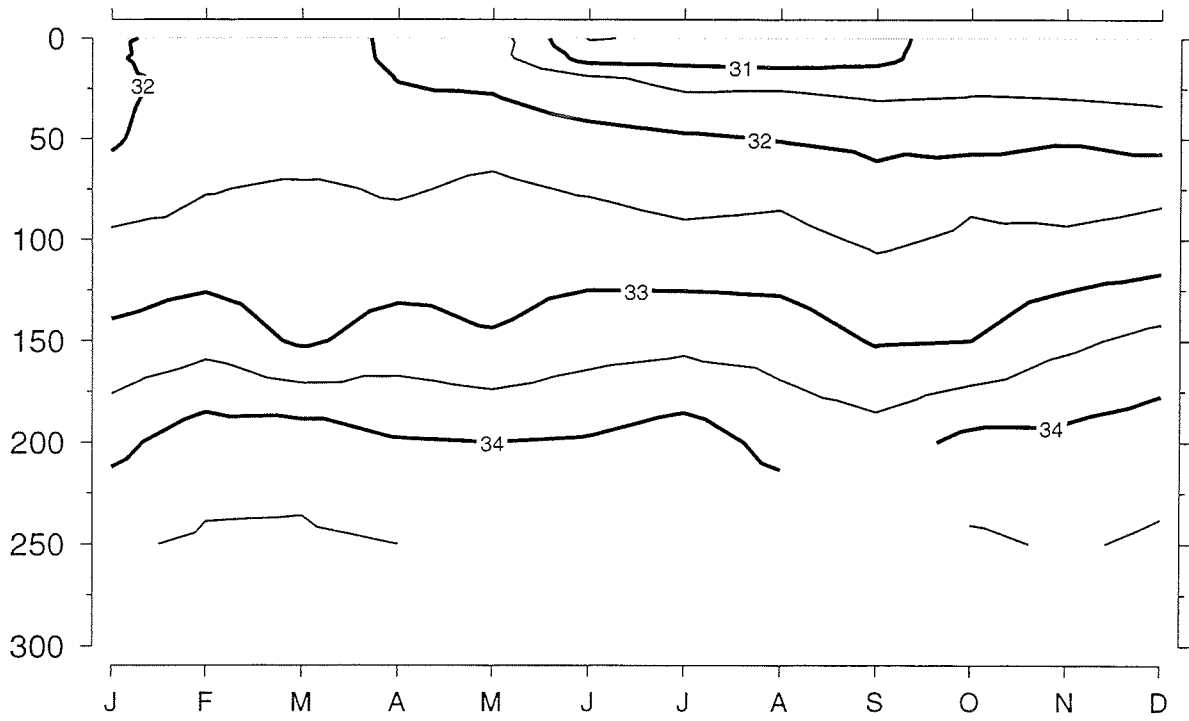


Table 5: TEMPERATURE AT SUBAREA 5 JACQUES CARTIER PASSAGE

MEAN, S.D., NO. OF OBSERVATIONS

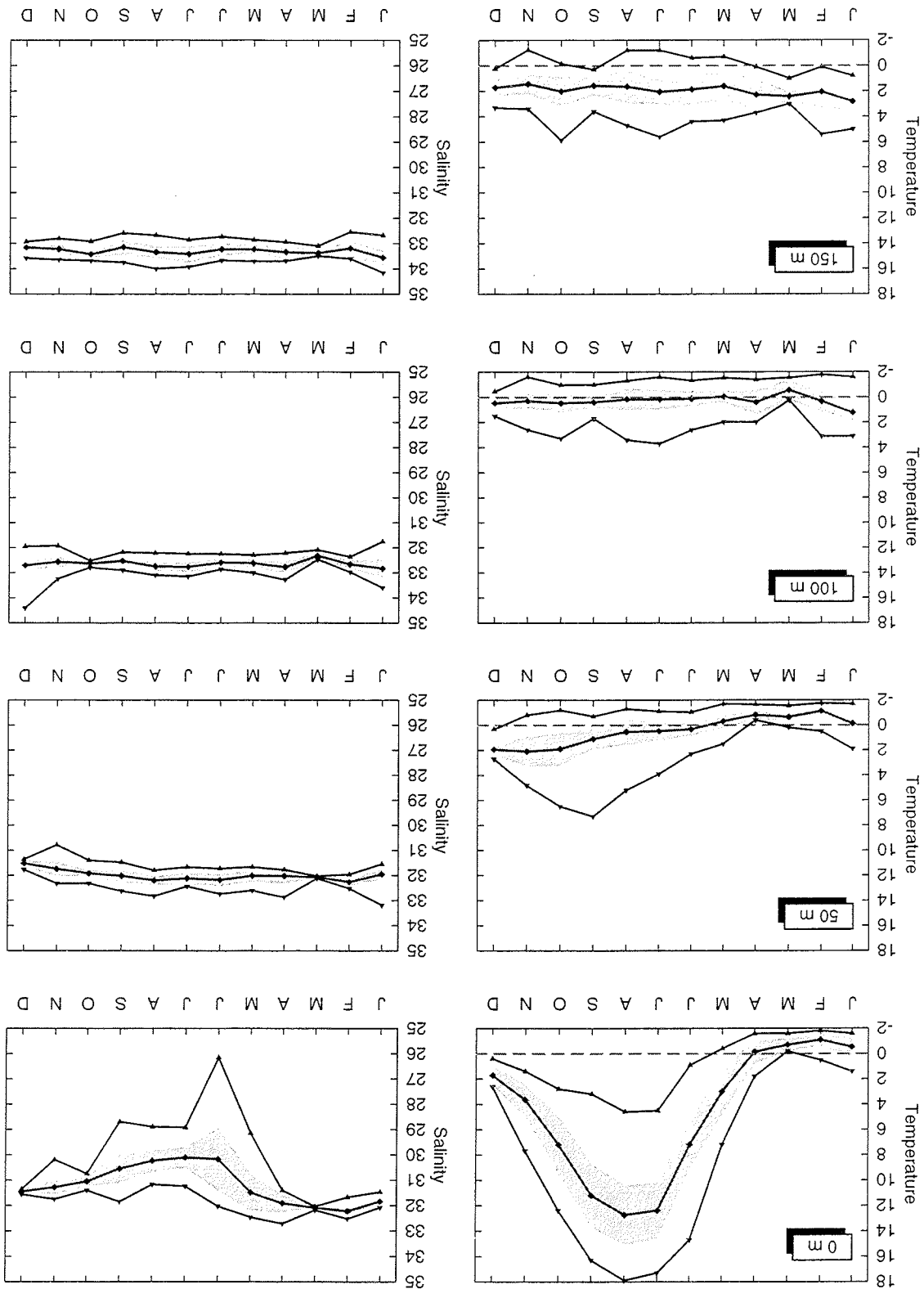
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	-0.53	-1.10	-0.70	-0.14	2.99	7.17	12.39	12.74	11.21	7.20	3.65	1.71
	0.72	0.45	0.50	0.88	1.81	1.84	2.19	2.35	2.48	2.24	1.24	0.76
	26	54	10	58	362	717	657	278	245	155	183	11
10	-0.50	-1.23	-0.91	-0.43	2.17	5.46	9.17	10.78	9.60	6.71	3.69	1.63
	0.75	0.12	0.57	0.66	1.28	1.53	1.32	2.73	2.30	1.67	1.23	0.77
	97	36	6	51	505	1184	2431	705	409	64	76	14
20	-0.34	-1.40	-0.86	-0.64	1.22	3.45	5.02	6.46	8.06	5.89	3.39	1.62
	0.67	0.16	0.52	0.44	0.72	1.08	1.79	2.83	2.48	1.81	0.99	0.77
	80	32	6	38	255	910	1770	880	757	243	124	14
30	-0.42	-1.37	-0.90	-0.67	0.65	1.97	2.44	3.76	5.07	5.68	3.15	2.01
	0.63	0.20	0.56	0.38	0.64	0.92	1.45	2.38	1.94	2.45	1.09	0.51
	102	28	5	39	199	622	736	513	673	447	234	23
50	-0.12	-1.13	-0.64	-0.81	-0.30	0.32	0.48	0.54	1.10	1.91	2.11	1.94
	0.56	0.16	0.24	0.31	0.52	0.49	0.71	1.03	0.79	1.30	1.17	0.41
	122	33	6	31	171	281	246	198	215	182	240	34
75	0.62	-0.39	-1.03	-0.62	-0.59	-0.15	-0.23	-0.07	0.15	0.88	0.83	1.06
	0.36	0.84	0.52	0.52	0.36	0.53	0.44	0.70	0.62	0.64	0.97	0.58
	112	36	3	37	144	162	173	162	123	61	138	40
100	1.25	0.32	-0.56	0.39	-0.05	0.11	0.17	0.17	0.39	0.47	0.30	0.47
	0.58	0.81	0.80	0.98	0.43	0.59	0.78	0.86	0.41	0.68	0.58	0.50
	129	53	5	42	205	221	268	201	117	85	188	58
150	2.82	2.06	2.42	2.29	1.61	1.87	2.06	1.65	1.56	2.02	1.43	1.72
	0.72	1.28	0.36	1.23	1.07	1.20	0.98	1.29	0.73	1.15	0.77	0.64
	64	35	8	26	85	181	249	155	31	45	119	54
200	4.42	4.46	4.35	4.03	4.14	3.84	4.38	3.96	3.86	4.14	3.67	4.12
	0.70	1.07	0.25	0.60	0.72	0.98	0.52	1.01	0.94	0.52	0.58	0.52
	48	24	2	12	51	88	126	119	13	25	115	52
250	5.21	4.94	4.35	4.94	4.95	4.96	4.96	4.68	4.81	4.94	4.96	5.33
	0.61	1.57	-99.0	0.17	0.62	0.57	0.62	0.59	0.35	0.41	0.53	0.36
	14	13	1	4	27	44	46	41	7	37	81	21
300	5.26	4.44		5.10	5.44	5.23	5.50	4.77	5.30	5.06	4.84	
	0.66	0.51		0.01	0.14	0.21	0.50	0.50	-99.0	0.35	0.10	
	9	4		3	5	6	17	7	1	7	4	

Table 5: SALINITY AT SUBAREA 5 JACQUES CARTIER PASSAGE

MEAN, S.D., NO. OF OBSERVATIONS

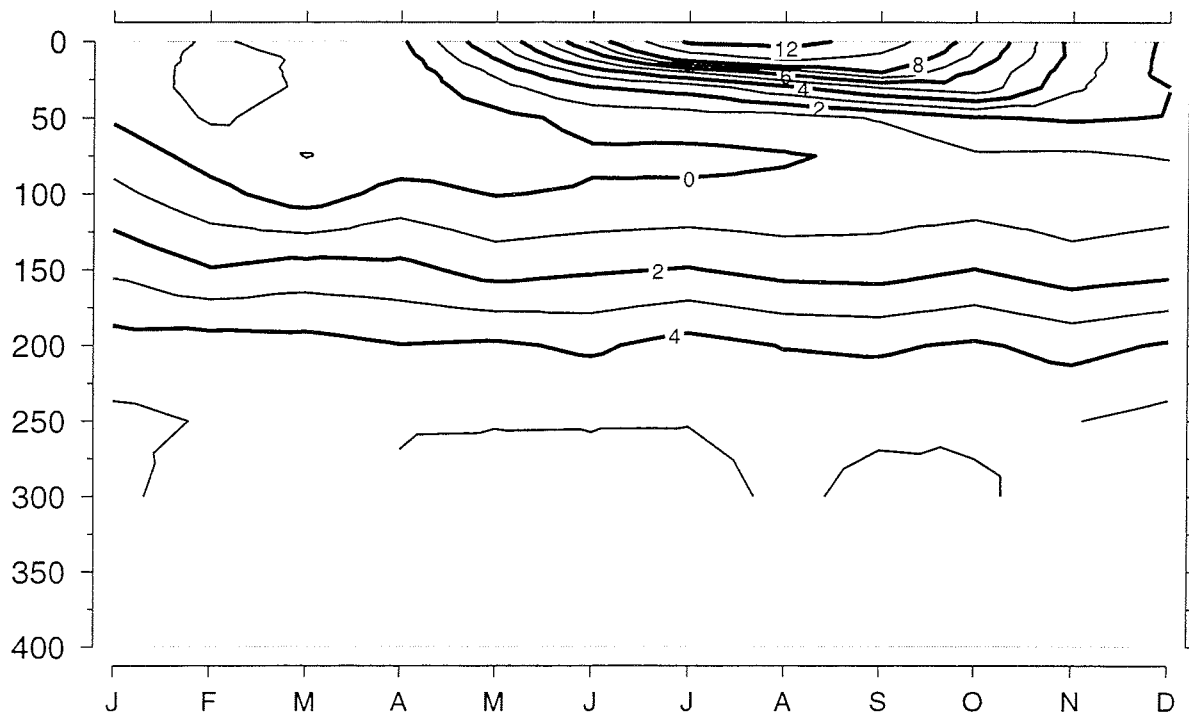
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.84	32.22	32.09	31.91	31.49	30.17	30.11	30.24	30.55	31.05	31.28	31.45
	0.12	0.11	0.05	0.34	0.72	1.23	0.40	0.43	0.56	0.21	0.27	0.08
	18	12	5	31	96	86	44	83	85	10	64	4
10	31.82	32.24	32.07	31.93	31.52	30.60	30.67	30.52	30.69	31.20	31.37	31.54
	0.14	0.13	0.05	0.32	0.54	0.88	0.25	0.46	0.30	0.27	0.21	0.14
	87	12	5	43	115	106	53	104	118	13	57	11
20	31.79	32.23	32.07	31.95	31.73	31.51	31.54	31.36	30.99	31.25	31.37	31.56
	0.18	0.14	0.04	0.31	0.29	0.43	0.34	0.25	0.32	0.33	0.21	0.17
	70	12	4	36	114	109	50	134	118	12	67	11
30	31.86	32.23	32.08	31.97	31.81	31.81	31.77	31.66	31.41	31.43	31.37	31.43
	0.16	0.15	0.05	0.31	0.20	0.24	0.29	0.28	0.37	0.24	0.23	0.08
	89	11	5	37	101	90	31	113	102	12	74	11
50	31.96	32.26	32.07	32.02	32.02	32.18	32.12	32.20	32.02	31.92	31.74	31.52
	0.18	0.14	0.04	0.29	0.22	0.23	0.22	0.18	0.24	0.12	0.29	0.11
	88	13	4	27	73	67	34	91	93	14	91	23
75	32.48	32.45	32.09	32.26	32.27	32.36	32.42	32.55	32.24	32.38	32.22	32.16
	0.33	0.10	-99.0	0.24	0.20	0.13	0.12	0.14	0.18	0.06	0.31	0.17
	86	16	3	26	66	23	28	89	60	6	76	28
100	32.83	32.66	32.32	32.77	32.62	32.59	32.77	32.75	32.53	32.63	32.56	32.71
	0.36	0.16	0.15	0.23	0.16	0.18	0.20	0.15	0.13	0.06	0.19	0.21
	106	16	4	29	67	21	29	95	65	6	114	47
150	33.56	33.19	33.38	33.34	33.24	33.23	33.42	33.35	33.15	33.43	33.22	33.16
	0.28	0.30	0.12	0.27	0.15	0.24	0.33	0.23	0.28	0.13	0.16	0.11
	49	9	3	16	32	12	19	58	14	4	63	46
200	34.08	34.17	34.10	33.97	33.95	34.00	34.11	34.09	33.63		33.90	33.99
	0.17	0.10	-99.0	0.18	0.14	0.27	0.17	0.32	0.17		0.16	0.19
	37	6	1	6	16	9	17	41	4		60	42
250	34.42	34.42	34.42	34.46	34.42	34.25	34.57	34.39	34.29		34.41	34.49
	0.02	-99.0	-99.0	0.01	0.02	0.39	0.22	0.28	0.30		0.09	0.09
	8	2	1	4	7	4	7	13	2		30	18
300	34.55	34.71		34.62	34.76		34.74	34.59		34.61	34.65	
	0.07	0.01		0.14	-99.0		-99.0	0.30		-99.0	0.09	
	6	2		3	3		2	2		1	3	

Statistics: JACQUES CARTIER PASSAGE



Vertical Structure (Monthly Means): JACQUES CARTIER PASSAGE

Temperature (deg C)



Salinity

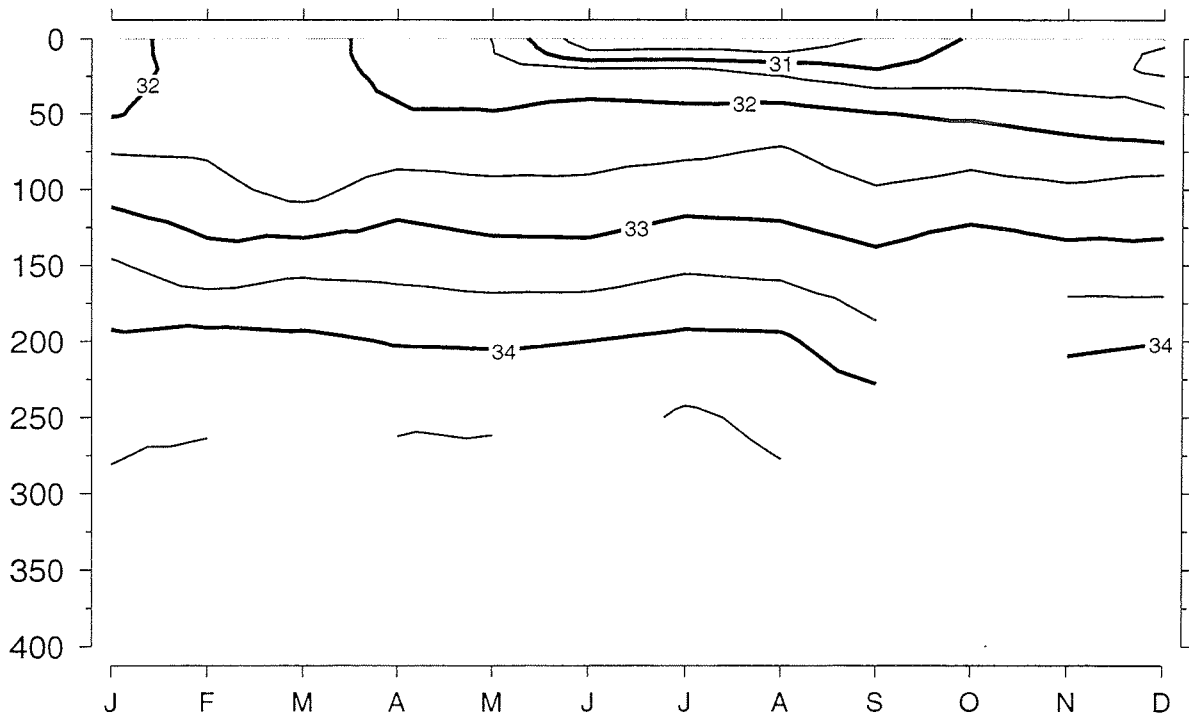


Table 6: TEMPERATURE AT SUBAREA 6 NW GULF

MEAN, S.D., NO. OF OBSERVATIONS

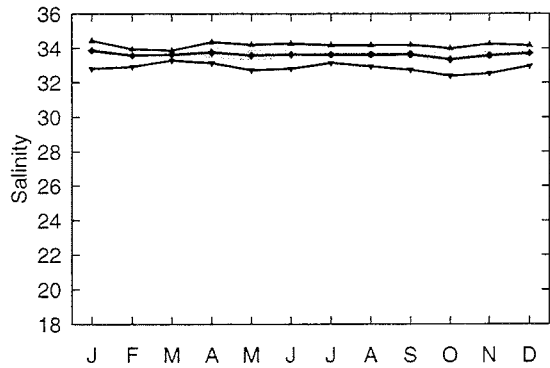
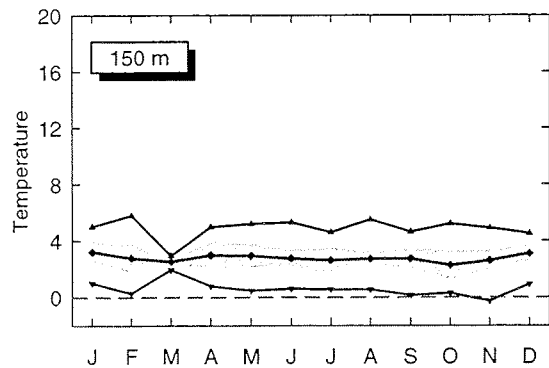
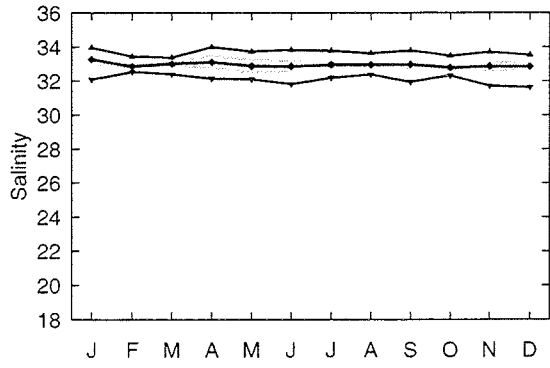
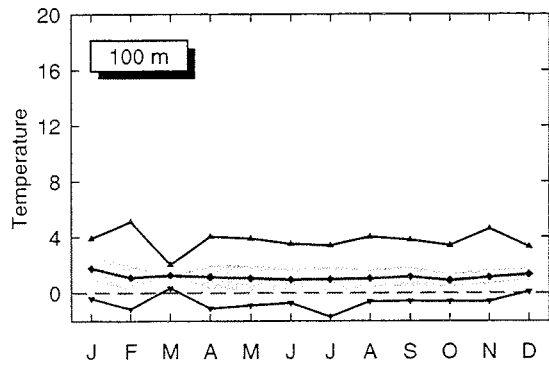
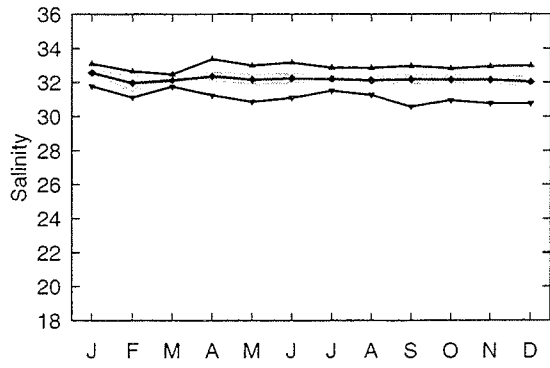
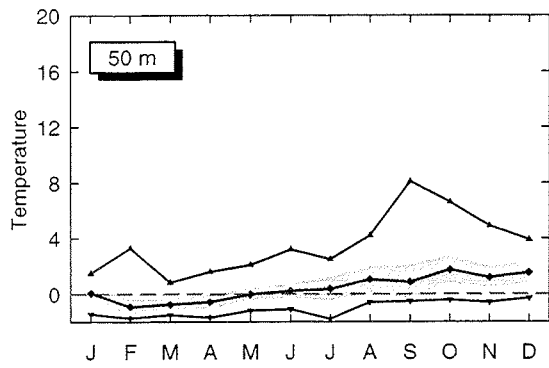
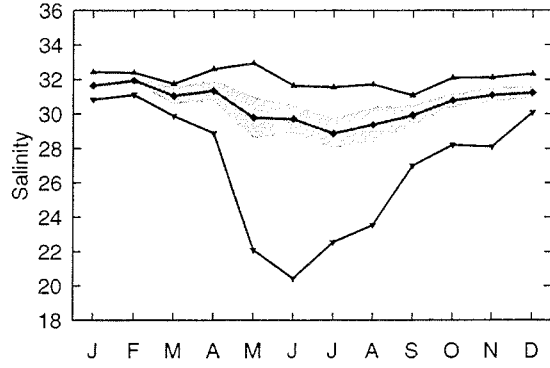
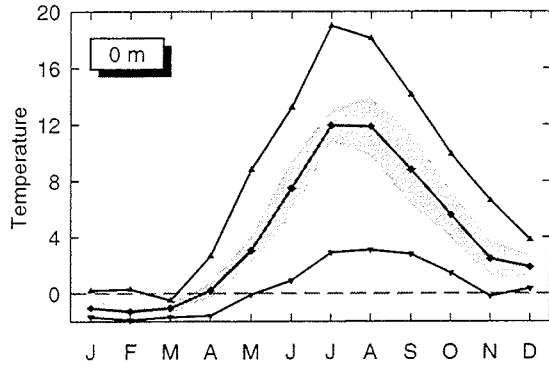
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	-1.05	-1.28	-1.05	0.21	3.04	7.47	11.94	11.86	8.80	5.58	2.47	1.87
	0.64	0.18	0.32	0.51	0.98	1.93	1.11	2.08	2.48	1.65	1.24	0.88
	18	73	11	121	281	585	460	1163	356	216	347	69
10	-1.10	-1.50	-1.28	0.05	2.26	5.28	8.07	8.95	7.54	5.42	2.32	1.66
	0.52	0.16	0.36	0.24	0.90	1.46	1.60	1.64	2.05	1.80	1.27	0.76
	87	60	7	249	440	1418	1404	6344	813	154	289	86
20	-1.08	-1.53	-1.27	-0.21	1.09	2.68	3.34	5.44	5.04	4.42	2.44	1.83
	0.43	0.17	0.35	0.14	0.44	1.09	1.20	1.32	2.23	1.35	1.20	0.74
	79	50	6	161	431	986	738	3021	996	429	399	101
30	-0.83	-1.32	-1.26	-0.52	0.48	1.16	1.50	2.72	3.16	3.28	2.11	1.75
	0.39	0.34	0.34	0.25	0.38	0.67	1.04	0.97	2.08	1.26	0.96	0.75
	105	72	7	151	302	468	286	1299	768	401	502	137
50	0.08	-0.92	-0.75	-0.57	-0.02	0.22	0.36	1.04	0.86	1.75	1.18	1.54
	0.34	0.57	0.40	0.47	0.42	0.51	0.85	0.94	1.23	0.96	0.76	0.79
	111	77	8	158	188	247	136	673	323	241	433	150
75	1.03	0.19	0.21	0.25	0.44	0.45	0.20	0.64	0.59	0.76	0.92	1.16
	0.90	0.75	0.33	0.66	0.47	0.70	0.55	0.56	0.62	0.39	0.65	0.82
	64	73	9	149	149	178	90	357	250	121	303	128
100	1.77	1.11	1.26	1.15	1.06	0.94	0.98	1.03	1.17	0.89	1.13	1.34
	0.91	0.90	0.01	0.85	0.96	0.79	0.90	0.65	0.70	0.51	0.53	0.48
	88	77	6	226	194	258	127	614	386	172	450	228
150	3.22	2.78	2.53	2.98	2.94	2.74	2.62	2.72	2.73	2.25	2.59	3.10
	0.71	0.99	0.08	0.97	0.84	0.61	0.92	0.43	0.71	1.03	0.71	0.58
	51	53	5	146	158	173	75	599	286	87	258	143
200	4.08	4.42	3.67	4.24	4.06	4.12	3.94	4.01	3.89	3.80	3.92	4.42
	0.70	0.53	0.35	0.76	0.73	0.67	0.55	0.30	0.53	0.81	0.58	0.37
	23	28	6	103	120	92	51	305	170	53	138	90
250	4.59	5.32	4.49	4.86	4.69	4.76	4.32	4.59	4.57	4.73	4.69	5.12
	0.55	0.27	0.58	0.50	0.44	0.47	0.76	0.26	0.37	0.45	0.37	0.35
	16	17	9	84	104	76	46	154	62	27	154	70
300	4.81	5.61	4.36	4.95	4.77	4.87	4.60	4.65	4.73	4.99	4.80	5.32
	0.48	0.31	0.33	0.32	0.41	0.35	0.15	0.22	0.34	0.42	0.42	0.30
	15	8	4	101	46	45	36	117	62	26	83	56
400				4.90		5.25		5.10			4.91	
				-99.0		0.46		-99.0			0.10	
				3		2		1			3	

Table 6: SALINITY AT SUBAREA 6 NW GULF

MEAN, S.D., NO. OF OBSERVATIONS

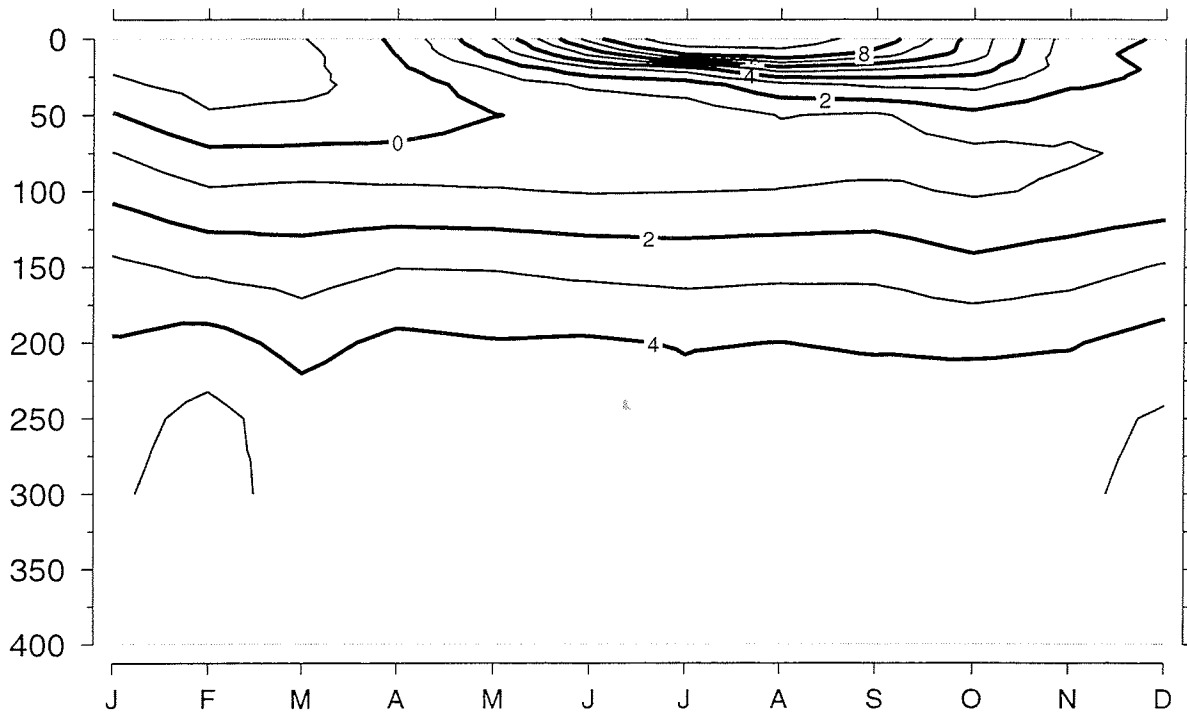
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.64	31.94	31.05	31.35	29.78	29.70	28.87	29.37	29.92	30.78	31.08	31.22
	0.26	0.12	0.49	0.60	1.23	0.83	0.85	1.04	0.59	0.40	0.43	0.39
	15	10	5	33	106	129	76	104	197	71	175	53
10	31.65	31.62	31.39	31.48	30.63	30.51	29.78	29.90	30.26	30.94	31.13	31.29
	0.13	0.77	0.14	0.50	0.88	0.59	0.59	0.62	0.55	0.31	0.43	0.24
	74	11	6	63	171	240	87	120	351	67	254	80
20	31.87	31.63	31.48	31.68	31.32	31.30	30.90	31.11	31.05	31.22	31.25	31.35
	0.35	0.72	0.06	0.38	0.57	0.42	0.53	0.66	0.42	0.23	0.37	0.30
	78	12	6	58	163	241	88	123	480	72	326	95
30	31.91	31.80	31.62	31.80	31.70	31.69	31.45	31.54	31.55	31.57	31.53	31.58
	0.22	0.58	0.08	0.36	0.37	0.35	0.53	0.49	0.38	0.30	0.31	0.33
	104	11	6	59	100	136	71	103	398	74	340	129
50	32.57	31.96	32.12	32.36	32.16	32.23	32.20	32.12	32.18	32.17	32.16	32.03
	0.17	0.51	0.09	0.32	0.34	0.32	0.22	0.25	0.31	0.30	0.27	0.37
	109	12	6	70	75	97	67	98	246	69	294	135
75	32.73	32.38	32.61	32.75	32.54	32.56	32.56	32.57	32.61	32.51	32.56	32.52
	0.46	0.26	0.12	0.45	0.37	0.34	0.10	0.20	0.26	0.14	0.29	0.33
	63	15	5	60	70	87	56	56	208	50	230	120
100	33.27	32.85	33.02	33.11	32.88	32.86	32.95	32.95	32.96	32.78	32.85	32.84
	0.36	0.14	0.14	0.43	0.43	0.35	0.18	0.16	0.30	0.14	0.31	0.23
	85	19	5	69	75	96	68	68	320	62	320	212
150	33.87	33.58	33.63	33.76	33.58	33.64	33.63	33.63	33.64	33.34	33.57	33.70
	0.21	0.08	0.06	0.35	0.32	0.30	0.21	0.17	0.23	0.30	0.24	0.16
	49	11	5	45	57	71	48	49	271	42	218	143
200	34.22	34.29	34.08	34.44	34.14	34.14	34.04	34.15	34.13	34.00	34.10	34.17
	0.16	0.13	0.08	0.10	0.21	0.20	0.20	0.11	0.18	0.21	0.14	0.10
	21	6	5	33	34	49	36	35	168	26	109	90
250	34.51	34.53	34.36	34.58	34.42	34.47	34.33	34.49	34.44	34.44	34.39	34.50
	0.11	0.02	0.05	0.11	0.16	0.12	0.25	0.15	0.28	0.08	0.13	0.09
	13	3	5	18	21	41	26	20	59	14	98	70
300	34.58	34.63	34.53	34.66	34.56	34.56	34.59	34.66	34.58	34.60	34.56	34.63
	0.09	-99.0	0.08	0.07	0.14	0.16	0.12	0.14	0.19	0.08	0.10	0.08
	15	1	4	26	34	36	35	19	60	14	83	56
400				34.60		34.65					34.64	
				-99.0		-99.0					0.07	
				3		1					3	

Statistics: NW GULF



Vertical Structure (Monthly Means): NW GULF

Temperature (deg C)



Salinity

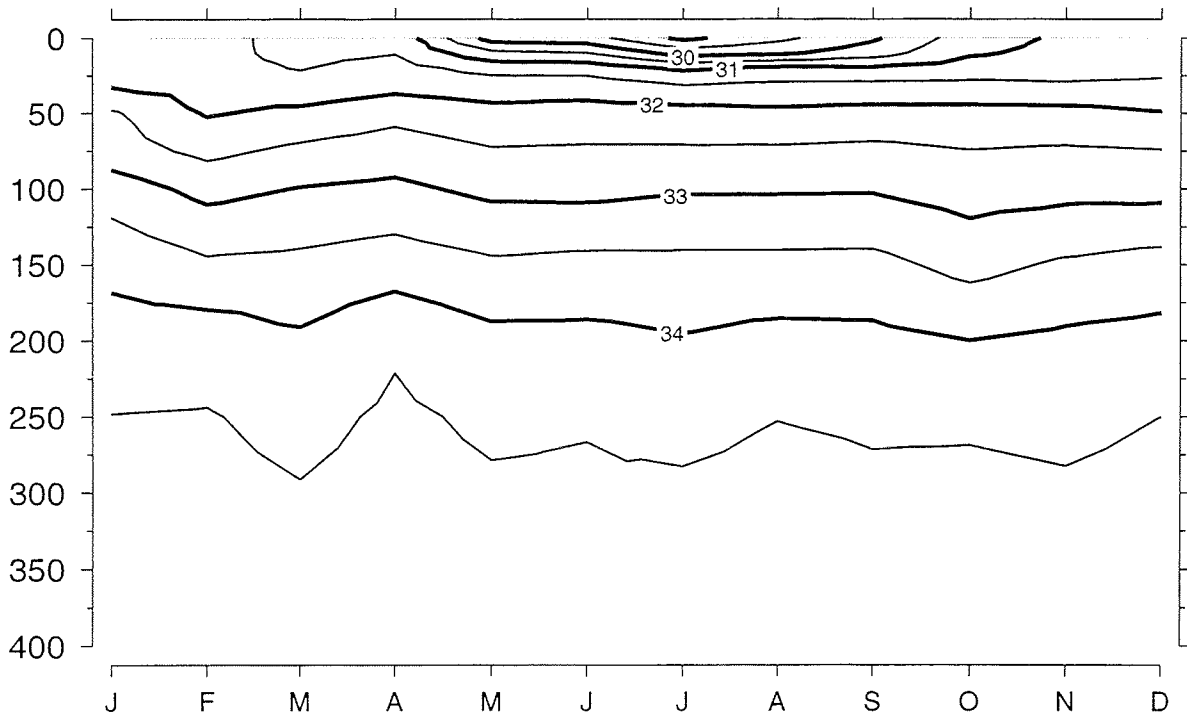


Table 7: TEMPERATURE AT SUBAREA 7 ESTUARY

MEAN, S.D., NO. OF OBSERVATIONS

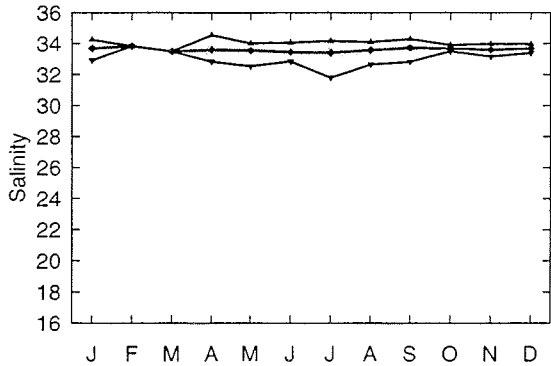
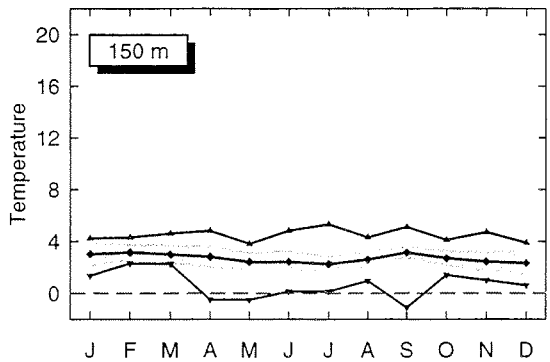
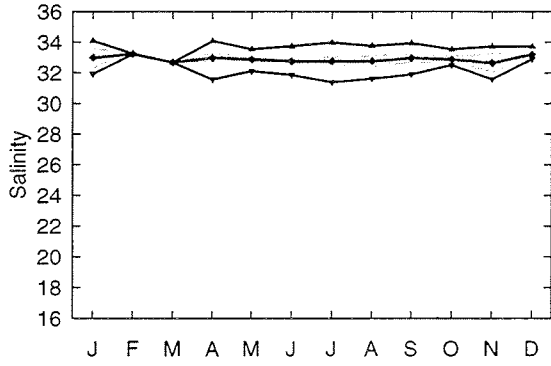
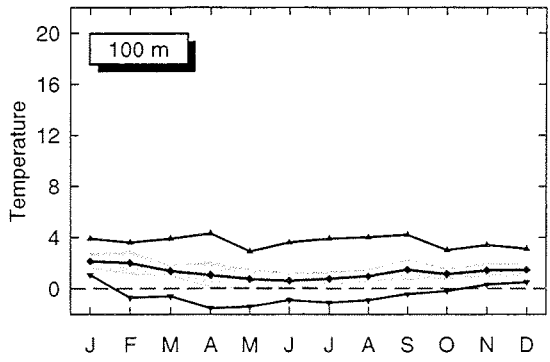
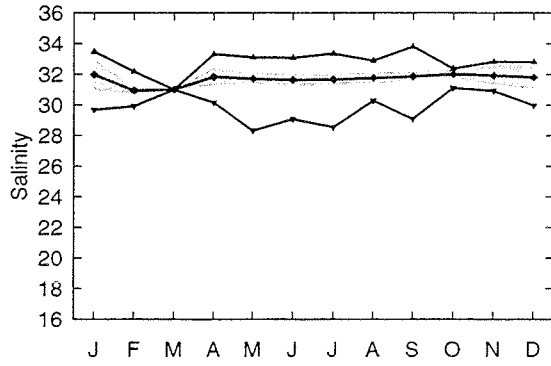
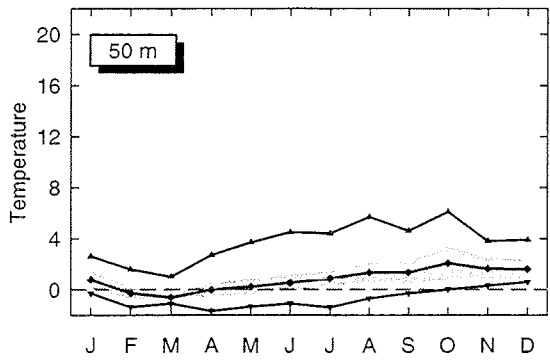
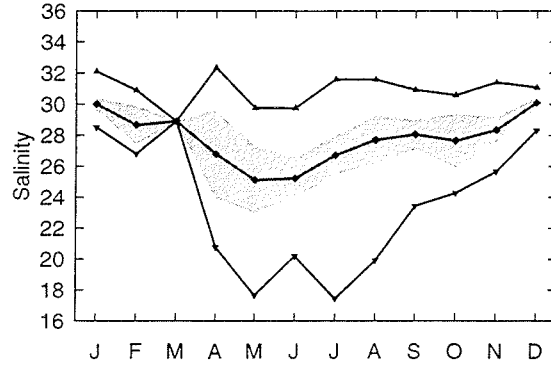
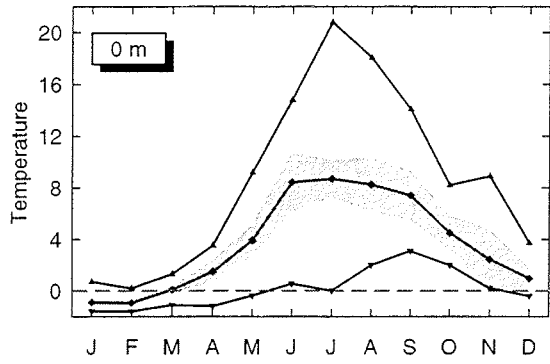
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	-0.90	-0.94	0.09	1.48	3.93	8.42	8.70	8.25	7.41	4.51	2.45	0.96
	0.24	0.16	0.16	0.96	1.21	2.32	1.42	2.12	1.93	1.33	2.36	0.74
	96	78	40	166	468	896	1993	978	845	337	112	57
10	-0.58	-0.68	-0.01	1.12	2.66	6.07	6.05	6.36	5.42	3.98	1.64	1.29
	0.36	0.55	0.22	0.67	0.94	1.51	1.13	1.89	1.02	1.14	0.97	0.78
	208	77	47	630	972	1449	3341	1414	971	328	142	59
20	-0.05	-0.39	-0.22	0.67	1.67	3.50	3.71	4.20	4.62	3.44	1.86	1.31
	0.45	0.40	0.34	0.54	0.74	0.88	1.28	1.64	2.17	1.17	0.68	0.90
	200	70	53	567	790	861	2191	1051	760	318	110	59
30	0.26	-0.28	-0.33	0.43	1.05	2.00	2.54	2.95	3.36	2.98	1.73	1.48
	0.52	0.57	0.17	0.56	0.80	0.73	0.86	1.20	1.91	1.77	0.69	0.94
	163	64	44	513	585	635	1668	941	604	186	91	59
50	0.78	-0.26	-0.62	-0.02	0.23	0.54	0.87	1.33	1.34	2.08	1.63	1.61
	0.71	0.46	0.17	0.51	0.61	0.62	0.56	0.75	0.85	1.32	0.86	0.74
	112	57	30	382	412	475	1105	338	408	130	100	59
75	1.55	0.53	0.55	0.23	0.11	0.04	0.37	0.76	1.15	1.15	1.53	1.67
	0.57	0.62	0.15	0.64	0.69	0.51	0.51	0.50	0.89	0.55	0.97	0.48
	91	42	32	301	293	301	707	159	282	92	75	54
100	2.14	2.01	1.38	1.05	0.75	0.60	0.76	0.97	1.48	1.13	1.42	1.47
	0.63	0.94	0.47	1.03	0.79	0.68	0.58	0.54	0.84	0.46	0.56	0.56
	125	29	40	427	404	385	932	253	469	124	101	95
150	3.00	3.15	2.99	2.80	2.40	2.40	2.23	2.59	3.13	2.70	2.43	2.31
	0.96	0.65	0.74	0.88	0.75	0.91	0.66	0.70	0.50	0.65	0.80	0.99
	88	11	8	280	274	165	554	109	252	68	59	54
200	3.70	4.15	3.72	3.75	3.59	3.35	3.26	3.46	3.91	3.69	3.51	3.44
	0.76	0.29	0.72	0.67	0.44	0.58	0.64	0.72	0.45	0.59	0.72	0.91
	71	7	5	200	184	102	385	80	173	63	51	42
250	4.21	4.82	4.03	4.48	4.44	4.12	4.16	4.32	4.63	4.18	4.12	4.78
	0.62	0.41	1.01	0.53	0.56	0.49	1.06	0.68	0.73	0.65	0.61	0.10
	57	7	11	151	128	63	251	38	108	52	38	34
300	4.49		3.86	4.73	4.49	4.35	4.13	4.10	4.47	4.98	4.47	5.14
	0.55		-99.0	0.42	0.33	0.66	0.78	0.65	0.51	0.72	0.57	0.02
	86		1	135	91	58	193	40	51	41	16	48

Table 7: SALINITY AT SUBAREA 7 ESTUARY

MEAN, S.D., NO. OF OBSERVATIONS

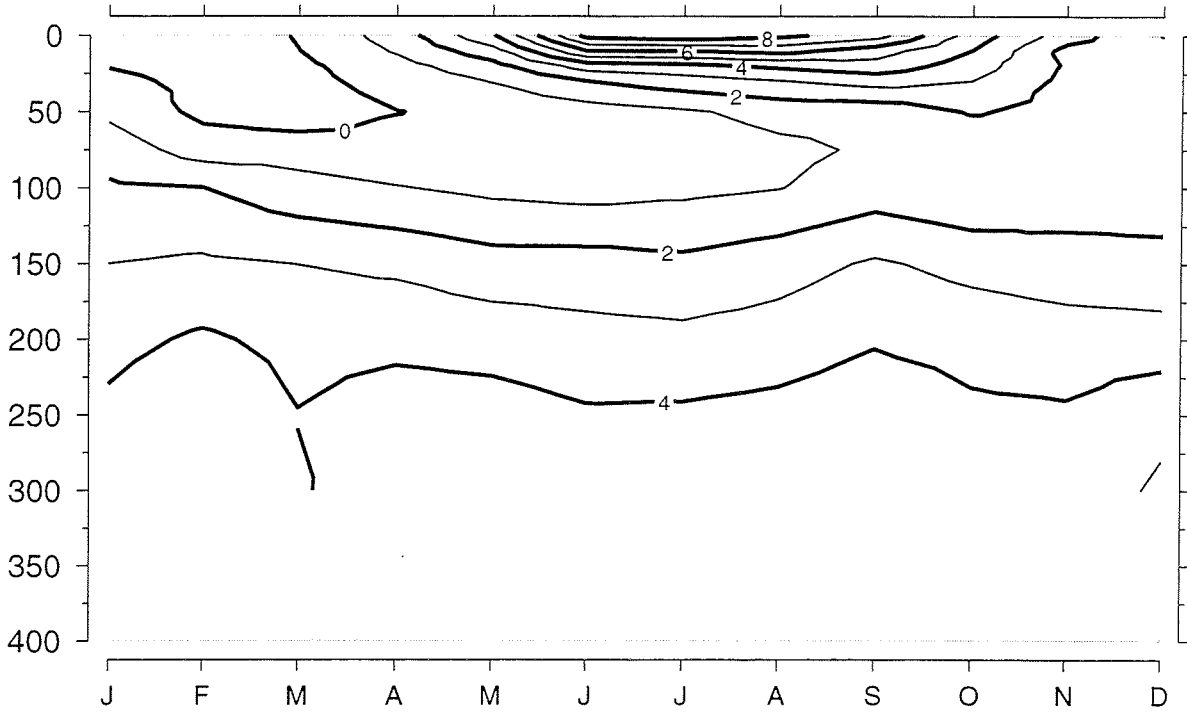
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	30.01	28.66	28.91	26.80	25.11	25.22	26.72	27.70	28.06	27.64	28.34	30.09
	0.38	1.23	-99.0	2.83	2.14	1.32	1.21	1.55	0.95	1.73	0.83	0.29
	95	11	1	152	321	269	707	318	242	165	70	18
10	30.44	29.07	28.87	27.67	26.35	26.41	28.04	28.77	28.89	28.78	29.05	30.26
	0.54	0.84	-99.0	2.48	1.80	1.60	1.06	1.08	0.83	1.15	0.78	0.50
	205	14	1	608	814	680	1533	528	481	210	123	30
20	31.01	29.83	28.98	29.66	28.42	28.58	29.53	29.94	29.91	29.90	30.12	30.64
	0.64	0.16	-99.0	1.52	1.07	0.96	0.81	0.72	0.55	1.01	0.99	0.81
	194	15	1	552	680	473	1083	448	441	188	83	32
30	31.46	30.24	28.98	30.29	30.10	29.80	30.21	30.67	30.65	30.74	31.00	31.13
	0.70	0.13	-99.0	1.31	0.77	1.00	0.62	0.62	0.59	1.20	1.06	0.85
	158	13	1	508	504	368	902	514	375	68	65	29
50	31.98	30.94	31.00	31.85	31.71	31.64	31.66	31.76	31.87	32.01	31.93	31.80
	0.99	0.20	-99.0	0.58	0.34	0.41	0.34	0.37	0.33	0.24	0.62	0.75
	107	5	1	381	358	341	691	103	250	60	63	28
75	32.72	32.36	32.26	32.61	32.53	32.27	32.37	32.32	32.57	32.61	32.34	32.53
	0.69	0.08	-99.0	0.33	0.18	0.40	0.14	0.29	0.36	0.15	0.69	0.48
	88	3	1	301	253	196	458	54	219	53	50	26
100	32.99	33.24	32.68	32.99	32.88	32.77	32.77	32.76	32.98	32.88	32.65	33.20
	0.70	0.02	-99.0	0.36	0.15	0.24	0.29	0.41	0.35	0.22	0.66	0.04
	124	2	1	426	350	217	522	80	334	60	61	48
150	33.69	33.84	33.50	33.60	33.56	33.46	33.42	33.58	33.73	33.68	33.60	33.68
	0.38	-99.0	-99.0	0.32	0.14	0.12	0.33	0.34	0.18	0.03	0.13	0.08
	86	1	1	278	256	116	363	35	231	50	32	39
200	34.06	34.27	33.95	34.04	33.91	33.86	33.77	33.90	34.13	33.88	33.96	34.05
	0.20	-99.0	-99.0	0.19	0.10	0.27	0.43	0.37	0.06	0.15	0.02	-99.0
	69	1	1	197	173	72	236	30	161	49	28	36
250	34.29	34.45	34.24	34.29	34.16	34.25	34.27	34.37	34.39	34.24	34.24	34.28
	0.10	-99.0	-99.0	0.14	0.07	0.14	0.12	0.14	0.08	0.04	0.04	-99.0
	55	1	1	151	120	41	170	17	90	46	24	31
300	34.42		34.38	34.37	34.36	34.37	34.25	34.40	34.48	34.41	34.37	34.46
	0.07		-99.0	0.11	0.08	0.17	0.27	0.22	0.09	0.05	0.07	-99.0
	79		1	135	89	38	146	24	51	37	14	43

Statistics: ESTUARY



Vertical Structure (Monthly Means): ESTUARY

Temperature (deg C)



Salinity

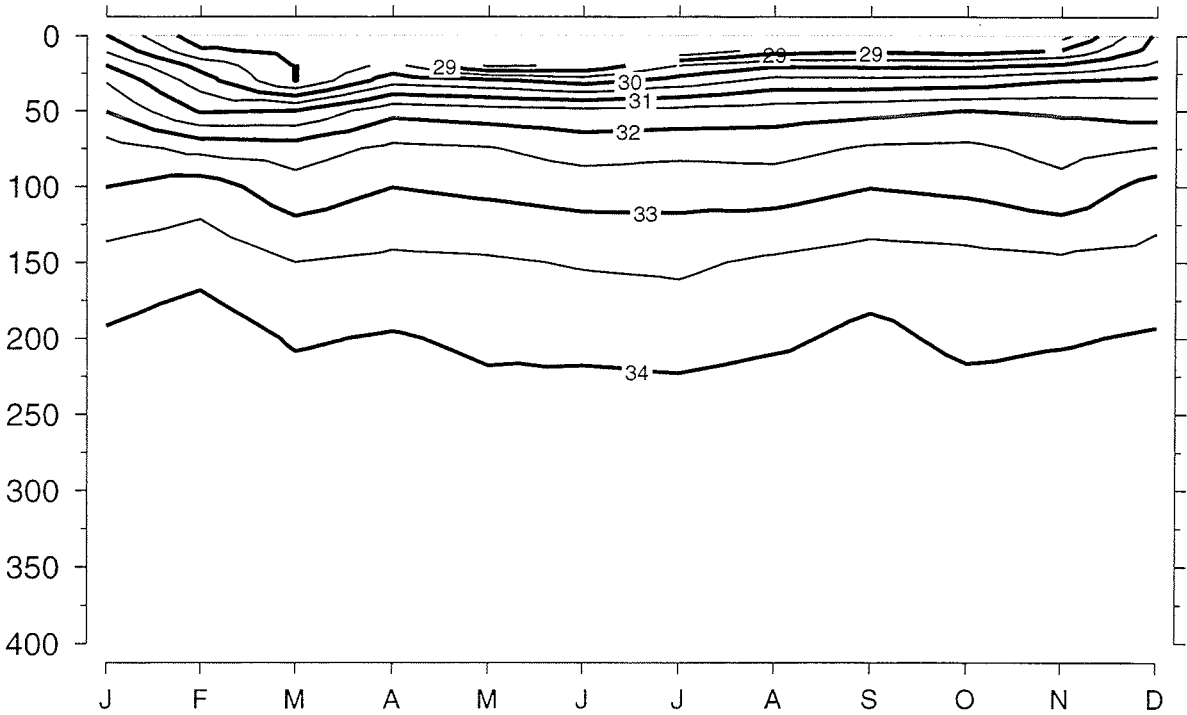


Table 8: TEMPERATURE AT SUBAREA 8 GASPE

MEAN, S.D., NO. OF OBSERVATIONS

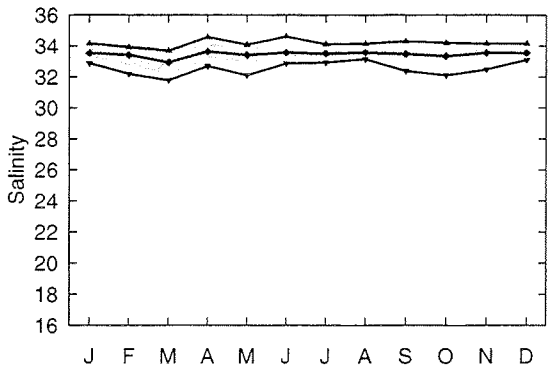
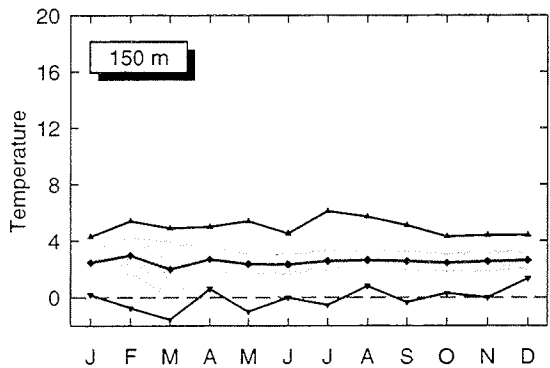
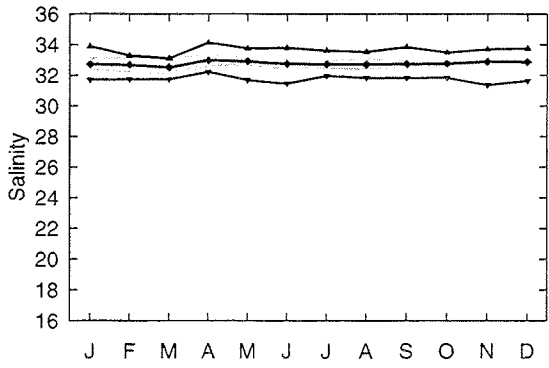
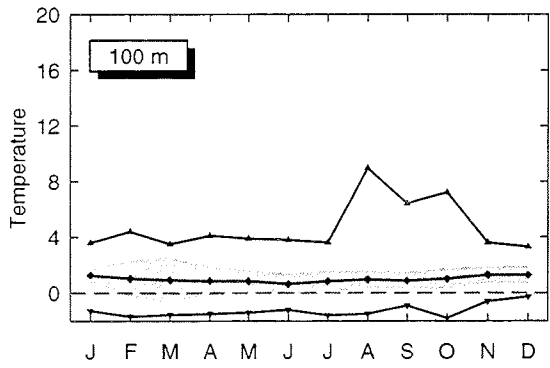
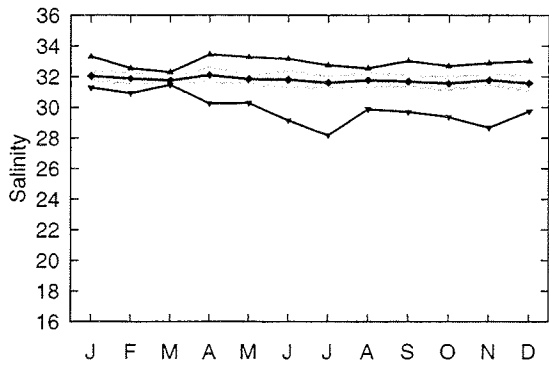
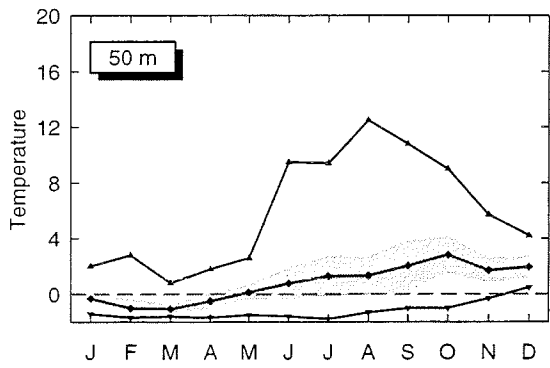
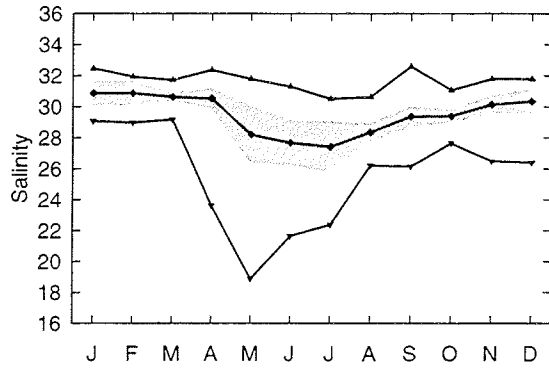
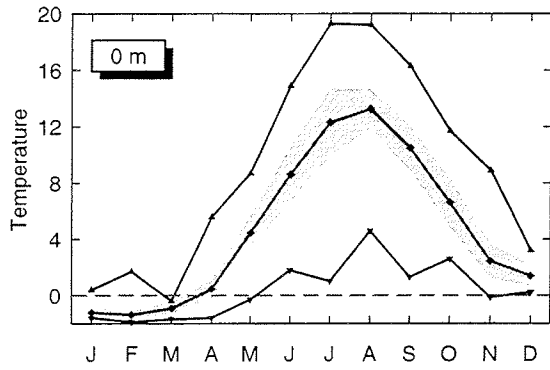
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	-1.22	-1.38	-0.93	0.45	4.45	8.60	12.30	13.25	10.49	6.61	2.45	1.38
	0.34	0.32	0.39	0.63	1.16	1.96	2.39	1.42	1.56	1.70	1.23	0.76
	35	52	27	129	343	1121	1364	1075	1214	399	496	59
10	-1.25	-1.48	-1.25	0.29	3.20	6.72	9.77	11.16	9.45	6.29	2.18	1.51
	0.31	0.17	0.23	0.48	0.91	1.58	2.35	1.76	1.62	1.69	1.15	0.84
	32	23	15	227	610	2785	4177	4136	1931	340	366	95
20	-1.40	-1.52	-1.35	-0.04	1.73	4.18	6.32	7.86	7.58	5.81	2.38	1.76
	0.24	0.11	0.29	0.36	0.78	1.11	2.73	2.51	1.40	1.71	1.17	0.86
	16	24	16	235	502	2769	2925	3323	3782	629	456	116
30	-1.02	-1.32	-1.18	-0.28	0.96	2.63	4.39	4.99	5.17	5.02	2.42	1.88
	0.21	0.45	0.23	0.41	0.71	1.09	2.24	2.27	1.57	1.45	1.13	0.81
	32	34	37	220	360	1755	1719	1689	3478	712	492	123
50	-0.31	-1.02	-1.07	-0.51	0.13	0.77	1.29	1.32	2.04	2.83	1.71	1.95
	0.27	0.66	0.35	0.59	0.54	1.18	1.46	1.35	1.81	1.35	0.90	0.80
	30	52	27	197	242	863	727	715	1736	502	519	156
75	0.59	0.31	-0.23	-0.25	0.25	0.03	0.27	0.48	0.54	1.15	1.16	1.59
	0.59	1.07	1.15	0.77	0.63	0.48	0.61	0.62	0.79	0.82	0.71	0.31
	22	39	20	188	214	500	388	317	1012	214	429	123
100	1.27	1.03	0.92	0.84	0.85	0.64	0.83	0.96	0.87	1.01	1.29	1.29
	0.51	1.29	1.65	1.04	0.83	0.74	0.73	0.62	0.63	0.74	0.59	0.62
	37	41	19	338	318	788	415	479	1720	269	549	225
150	2.47	2.97	1.99	2.69	2.36	2.33	2.57	2.63	2.56	2.44	2.55	2.62
	0.79	1.39	2.00	0.92	0.75	0.78	0.81	0.61	0.76	0.69	0.79	0.68
	28	40	16	250	184	394	238	303	1169	119	344	178
200	3.97	4.38	3.80	4.15	3.60	3.72	4.00	3.98	3.90	3.77	3.75	4.11
	0.84	0.83	0.98	0.63	0.59	0.65	0.75	0.61	0.70	0.91	0.67	0.47
	19	26	16	127	92	279	239	272	743	113	232	134
250	4.55	5.40	4.36	4.88	4.42	4.50	4.64	4.67	4.69	4.50	4.61	4.95
	0.59	0.51	0.72	0.42	0.55	0.58	0.40	0.82	0.43	0.57	0.44	0.38
	16	28	14	80	74	143	127	134	377	48	181	69
300	4.75	5.48	4.14	4.89	4.68	4.68	4.83	4.57	4.93	4.65	4.85	5.29
	0.51	0.57	0.21	0.31	0.45	0.50	0.60	0.52	0.36	0.52	0.37	0.30
	12	12	4	118	41	98	62	73	334	28	145	76
400	4.93				5.20	4.95						
	-99.0				0.42	0.46						
	1				6	3						

Table 8: SALINITY AT SUBAREA 8 GASPE

MEAN, S.D., NO. OF OBSERVATIONS

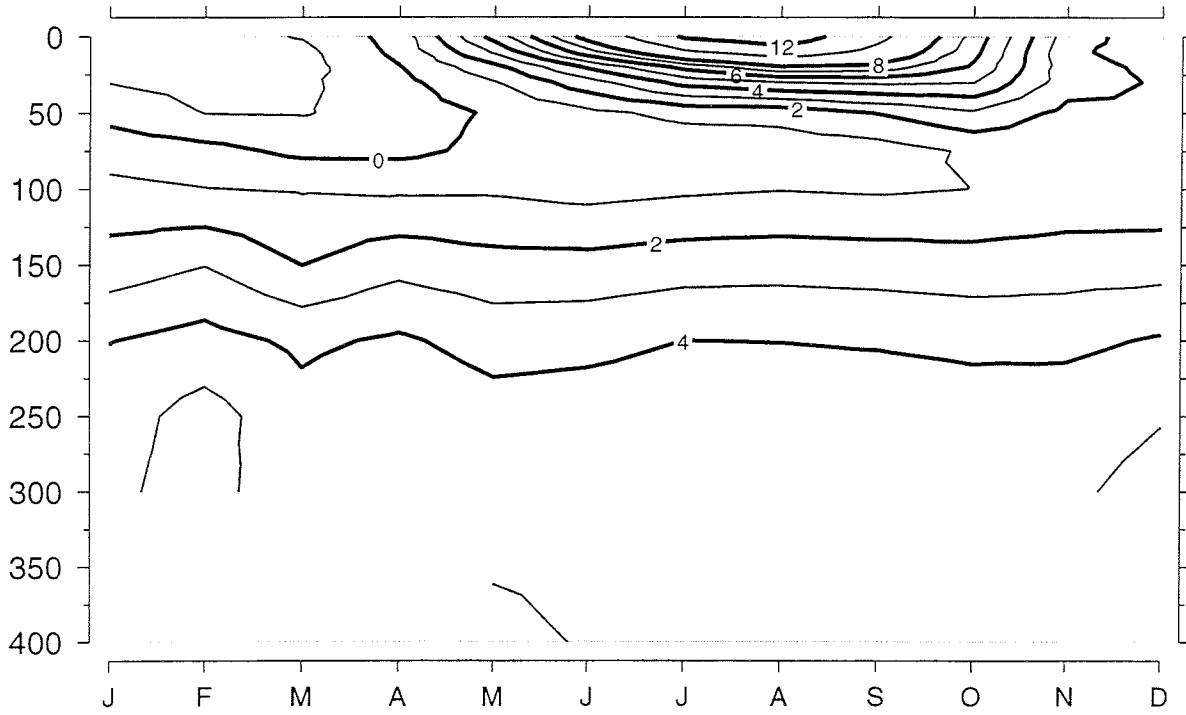
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	30.86	30.88	30.63	30.53	28.21	27.68	27.43	28.36	29.37	29.40	30.15	30.34
	0.81	0.78	0.27	0.66	1.82	1.45	1.64	0.61	0.66	0.43	0.58	0.79
	20	12	6	58	180	425	250	161	349	54	189	35
10	30.89	31.20	31.10	30.49	29.03	28.57	28.34	28.86	29.36	29.73	30.19	30.44
	0.74	0.87	0.26	0.31	1.56	1.04	1.42	0.74	0.52	0.69	0.65	0.19
	17	8	5	124	332	1185	394	164	600	49	305	84
20	31.10	31.22	31.24	31.03	30.42	30.05	29.53	30.05	29.87	30.00	30.55	30.64
	0.56	0.79	0.20	0.42	0.72	0.63	1.27	0.96	0.52	0.36	0.52	0.58
	15	12	5	132	294	1402	303	177	837	45	329	100
30	31.38	31.63	31.16	31.39	31.06	30.73	30.30	30.80	30.57	30.20	31.00	31.02
	0.68	0.58	0.23	0.53	0.51	0.79	1.10	0.77	0.58	0.68	0.46	0.52
	31	13	4	111	231	925	248	122	855	36	307	106
50	32.04	31.89	31.75	32.11	31.84	31.81	31.61	31.77	31.69	31.57	31.78	31.57
	0.37	0.46	0.21	0.57	0.35	0.66	0.44	0.57	0.43	0.51	0.43	0.55
	20	13	6	90	171	463	193	111	660	31	267	128
75	32.41	32.29	32.08	32.54	32.40	32.30	32.27	32.34	32.33	32.35	32.43	32.17
	0.42	0.42	0.44	0.40	0.30	0.37	0.31	0.24	0.31	0.27	0.38	0.54
	21	12	5	85	160	345	187	83	486	27	224	114
100	32.72	32.68	32.51	32.98	32.90	32.74	32.72	32.71	32.74	32.77	32.90	32.87
	0.43	0.53	0.56	0.43	0.28	0.37	0.31	0.38	0.27	0.21	0.31	0.29
	31	14	5	133	223	540	109	119	833	21	296	198
150	33.53	33.43	32.94	33.64	33.41	33.58	33.51	33.57	33.48	33.34	33.55	33.54
	0.24	0.71	0.82	0.46	0.50	0.22	0.20	0.20	0.25	0.32	0.27	0.24
	20	8	5	125	135	253	87	95	652	17	233	169
200	34.13	34.36	34.00	34.28	34.05	34.02	34.01	34.04	33.95	33.79	34.06	34.09
	0.23	0.07	0.05	0.24	0.13	0.20	0.23	0.20	0.24	0.26	0.16	0.16
	19	5	3	58	65	164	65	82	408	7	171	125
250	34.37	34.58	34.23	34.55	34.34	34.41	34.42	34.28	34.24	34.28	34.39	34.43
	0.16	0.08	-99.0	0.21	0.20	0.14	0.09	0.36	0.20	0.13	0.12	0.13
	10	5	3	35	43	72	48	38	201	6	97	66
300	34.56	34.63	34.38	34.58	34.51	34.60	34.57	34.57	34.55	34.46	34.58	34.63
	0.10	-99.0	0.02	0.02	0.17	0.13	0.11	0.25	0.10	0.09	0.09	0.07
	12	5	4	44	38	76	56	31	179	6	137	68
400	34.72				34.63	34.65						
	-99.0				0.05	0.07						
	1				4	2						

Statistics: GASPE



Vertical Structure (Monthly Means): GASPE

Temperature (deg C)



Salinity

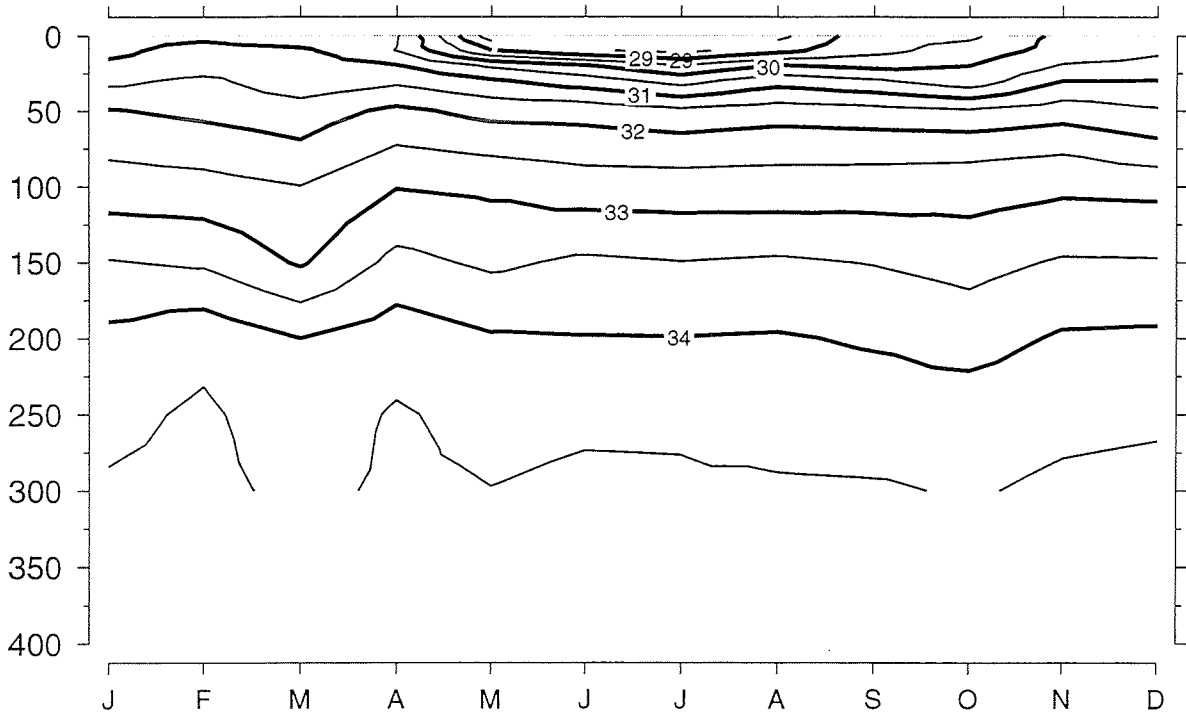


Table 9: TEMPERATURE AT SUBAREA 9 N LAURENTIAN CHANNEL

MEAN, S.D., NO. OF OBSERVATIONS

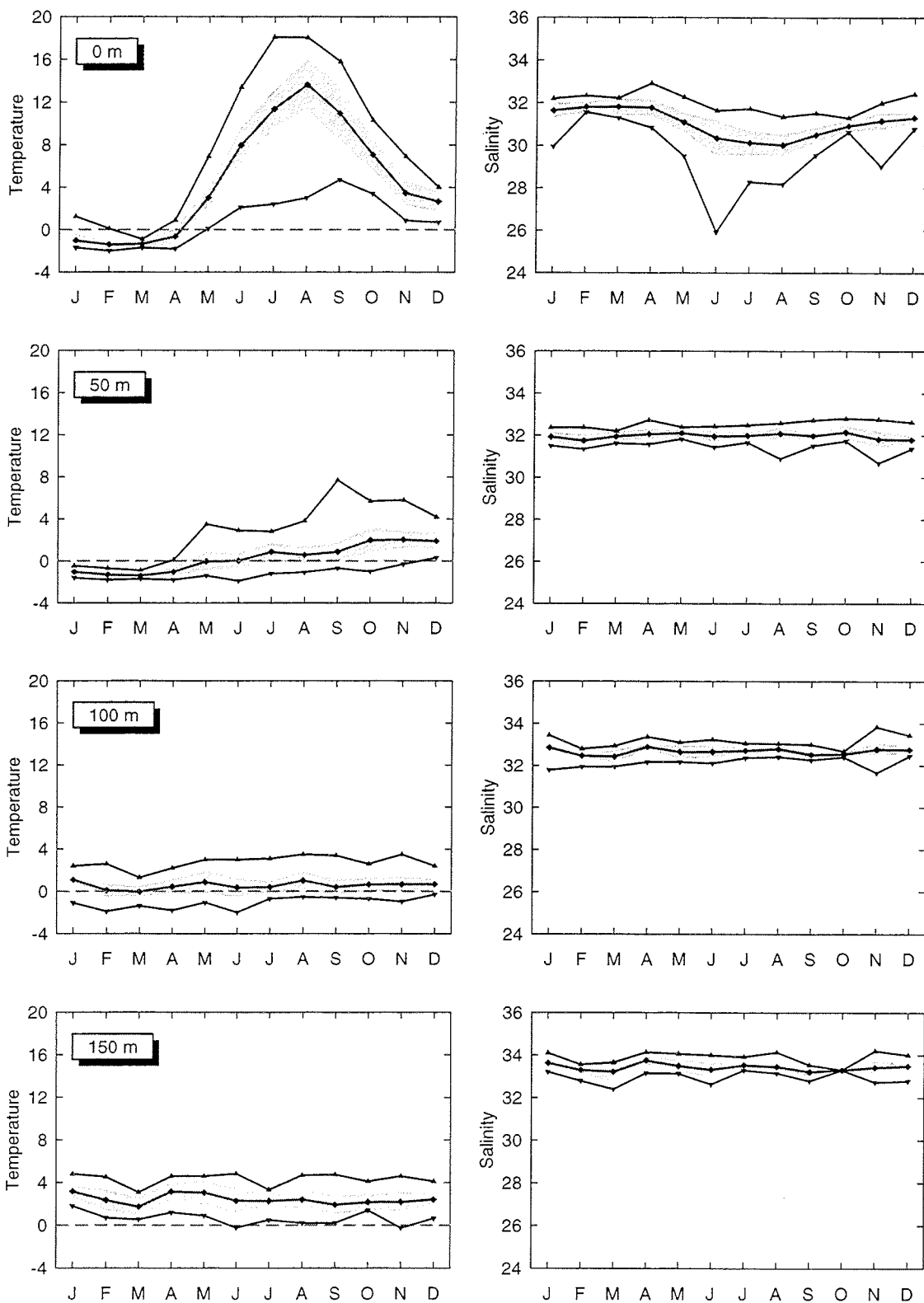
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	-1.03	-1.41	-1.34	-0.64	3.00	7.95	11.36	13.63	10.94	7.06	3.46	2.66
	0.59	0.30	0.24	0.75	0.82	1.66	1.75	2.36	2.52	1.44	1.14	0.93
	21	39	10	60	92	162	185	263	168	83	309	31
10	-1.03	-1.56	-1.49	-0.73	2.23	6.49	8.88	11.12	10.29	6.38	3.28	2.35
	0.58	0.16	0.15	0.63	0.84	1.15	1.55	2.50	2.94	1.68	1.14	0.90
	26	23	6	83	84	383	564	778	386	58	182	56
20	-0.95	-1.53	-1.54	-0.95	1.45	4.11	5.38	6.99	8.05	5.44	3.35	2.48
	0.68	0.11	0.15	0.55	0.95	1.35	3.00	2.20	3.14	0.94	1.21	0.99
	29	17	5	86	106	321	322	894	875	148	231	51
30	-0.87	-1.50	-1.54	-0.98	0.70	2.70	4.14	3.69	5.14	4.85	3.22	2.58
	0.70	0.15	0.18	0.51	1.12	1.88	2.67	1.67	2.09	2.21	0.95	0.92
	14	16	5	86	87	220	258	511	496	206	372	58
50	-1.04	-1.30	-1.40	-1.03	-0.04	0.01	0.86	0.56	0.87	1.97	2.03	1.89
	0.34	0.37	0.23	0.38	0.87	0.70	0.80	0.78	0.83	1.21	0.79	0.79
	25	22	7	80	74	115	86	177	177	109	513	97
75	0.35	-0.98	-1.26	-0.75	0.07	-0.33	0.06	0.45	0.25	0.67	0.65	0.73
	0.44	0.29	0.43	0.32	0.78	0.45	0.34	0.82	0.46	0.67	0.54	0.27
	51	29	5	91	67	77	62	102	62	36	309	97
100	1.10	0.10	-0.03	0.44	0.88	0.35	0.40	1.03	0.41	0.66	0.68	0.67
	0.25	0.62	0.50	0.69	1.05	0.90	0.54	0.84	0.69	0.61	0.68	0.49
	84	58	13	154	82	119	67	158	133	71	387	165
150	3.16	2.35	1.72	3.15	3.06	2.30	2.28	2.41	1.92	2.16	2.19	2.41
	0.56	0.94	0.87	0.76	1.08	1.13	0.40	0.86	0.90	0.71	0.91	0.55
	83	33	7	118	67	68	51	119	63	22	319	144
200	4.70	4.33	3.82	4.32	4.75	3.93	3.90	4.15	3.98	4.38	4.16	4.38
	0.70	0.96	0.74	0.72	0.86	0.95	0.10	0.55	0.77	0.58	0.72	0.81
	55	23	8	79	43	63	41	131	46	10	229	110
250	5.19	5.05	4.71	5.32	5.10	4.88	4.67	4.88	4.59	5.50	5.09	5.49
	0.47	0.72	0.91	0.38	0.65	0.84	0.30	0.41	0.97	-99.0	0.49	0.47
	35	14	7	63	48	52	30	92	35	3	216	88
300	5.19	5.31	4.77	5.33	5.13	5.08	4.64	4.83	5.18	5.42	5.08	5.58
	0.41	0.54	0.46	0.38	0.57	0.65	0.11	0.46	0.54	0.46	0.50	0.21
	42	12	4	64	14	32	19	77	8	9	193	125
400	4.82	4.88	4.54	5.20	4.66	4.85		4.86	4.72	5.42	4.99	5.21
	0.33	0.22	0.27	0.31	-99.0	0.44		0.14	-99.0	-99.0	0.40	0.17
	14	2	2	9	1	9		7	2	2	56	62

Table 9: SALINITY AT SUBAREA 9 N LAURENTIAN CHANNEL

MEAN, S.D., NO. OF OBSERVATIONS

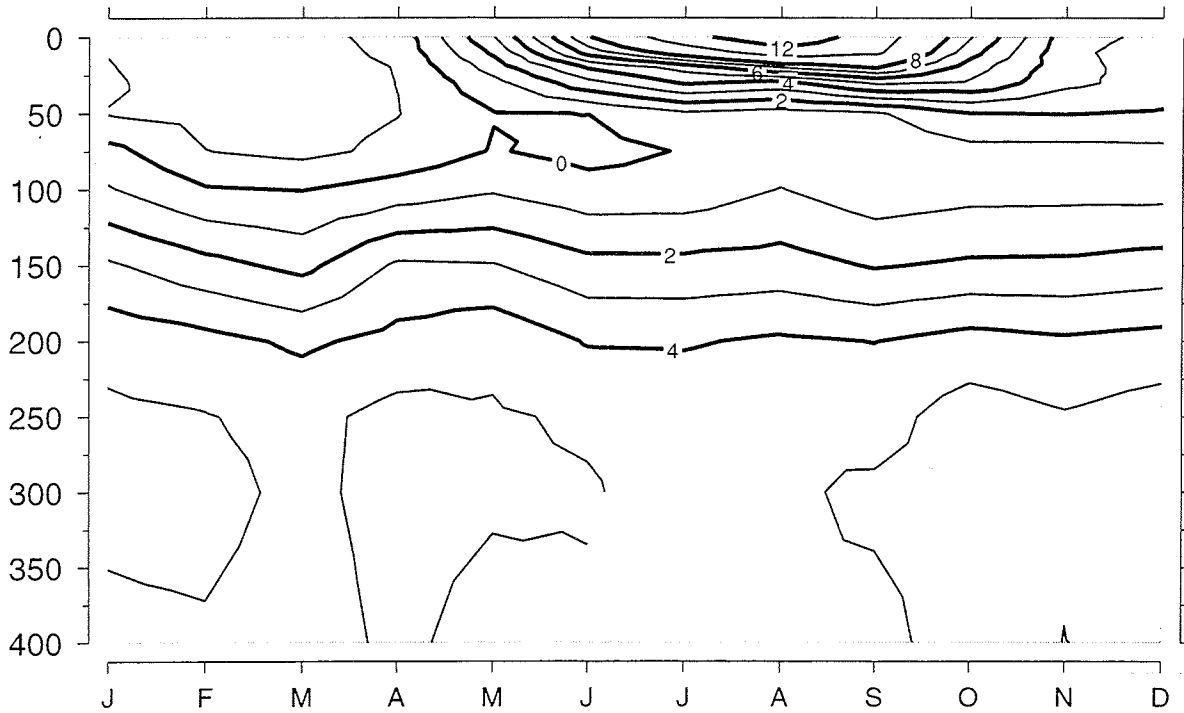
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.64	31.80	31.82	31.78	31.09	30.35	30.13	30.03	30.51	30.92	31.16	31.30
	0.33	0.24	0.39	0.38	0.45	0.83	0.56	0.50	0.34	0.25	0.37	0.26
	19	5	3	43	27	46	36	67	31	8	134	30
10	31.65	31.69	31.85	31.72	30.94	30.27	30.16	29.93	30.61	31.12	31.16	31.30
	0.30	0.35	0.34	0.28	0.77	0.91	0.33	0.42	0.38	0.21	0.42	0.16
	24	8	4	76	21	56	36	51	46	9	143	49
20	31.75	31.68	31.89	31.80	31.30	30.90	31.06	30.98	30.92	31.20	31.22	31.32
	0.24	0.35	0.30	0.30	0.54	0.69	0.55	0.59	0.45	0.07	0.32	0.15
	26	8	5	76	23	54	35	85	41	9	166	43
30	31.81	31.72	31.88	31.94	31.77	31.27	31.26	31.46	31.39	31.61	31.30	31.43
	0.22	0.34	0.29	0.27	0.31	0.78	0.46	0.55	0.29	0.29	0.30	0.08
	12	9	5	70	20	35	28	77	42	7	204	47
50	31.93	31.75	31.95	32.06	32.11	31.96	31.99	32.10	31.99	32.16	31.83	31.80
	0.21	0.29	0.21	0.23	0.14	0.23	0.17	0.26	0.11	0.30	0.37	0.19
	21	8	5	67	17	32	30	58	38	7	244	91
75	32.44	32.06	32.02	32.26	32.32	32.26	32.42	32.44	32.35	32.47	32.40	32.41
	0.17	0.06	0.14	0.26	0.19	0.18	0.21	0.13	0.16	0.28	0.32	0.10
	49	8	4	77	13	24	26	44	25	6	205	92
100	32.85	32.46	32.43	32.89	32.64	32.66	32.71	32.80	32.52	32.54	32.78	32.76
	0.18	0.01	0.30	0.09	0.32	0.27	0.14	0.14	0.09	0.09	0.29	0.15
	78	14	9	121	26	37	15	90	55	4	279	160
150	33.63	33.30	33.22	33.75	33.49	33.32	33.53	33.46	33.22	33.30	33.43	33.49
	0.18	0.14	0.50	0.17	0.30	0.33	0.11	0.17	0.15	-99.0	0.31	0.13
	79	9	5	100	17	25	20	67	27	1	236	140
200	34.15	34.04	33.96	34.19	34.02	33.94	34.14	34.09	33.99	34.00	34.08	34.11
	0.19	0.08	0.20	0.03	0.25	0.22	0.08	0.15	0.18	-99.0	0.22	0.16
	51	7	6	67	12	20	19	74	24	1	161	108
250	34.49	34.62	34.32	34.51	34.35	34.37	34.42	34.56	34.38		34.46	34.49
	0.08	0.12	0.16	0.11	0.14	0.24	0.14	0.08	0.15		0.13	0.11
	32	5	4	57	10	15	14	59	14		124	88
300	34.63	34.73	34.53	34.65	34.60	34.60	34.69	34.70	34.63	34.64	34.66	34.69
	0.06	0.09	0.07	0.10	0.07	0.17	0.14	0.11	0.06	-99.0	0.09	0.05
	42	6	4	53	9	15	19	69	4	2	189	125
400	34.77	34.82	34.71	34.76	34.72	34.72		34.85	34.72		34.81	34.82
	0.04	-99.0	0.10	0.09	-99.0	0.05		-99.0	-99.0		0.09	0.03
	14	2	2	5	1	5		1	2		55	62

Statistics: N LAURENTIAN CHANNEL



Vertical Structure (Monthly Means): N LAURENTIAN CHANNEL

Temperature (deg C)



Salinity

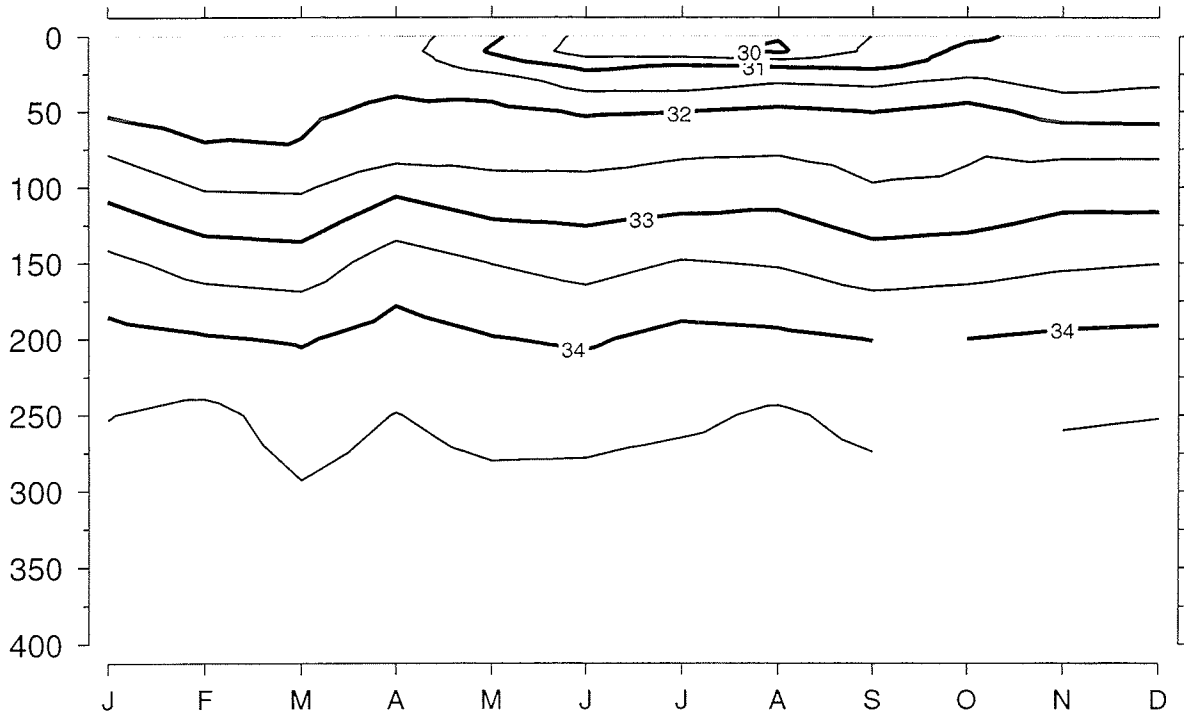


Table 10: TEMPERATURE AT SUBAREA 10 S LAURENTIAN CHANNEL

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	-0.79	-1.41	-1.05	-0.33	3.46	8.10	12.13	14.83	12.85	8.42	3.57	2.83
	0.57	0.29	0.11	0.85	0.95	1.90	2.23	1.25	1.66	1.51	1.17	0.60
	72	15	10	116	265	184	85	196	246	24	86	7
10	-0.94	-1.44	-1.42	-0.46	2.73	6.66	10.55	12.62	11.92	7.47	3.34	2.84
	0.59	0.29	0.29	0.76	0.81	1.61	1.28	1.67	1.94	1.49	1.05	0.61
	31	14	4	130	201	331	286	589	483	11	33	9
20	-0.94	-1.67	-1.26	-0.65	1.92	4.31	6.57	7.83	8.63	6.99	3.35	3.08
	0.61	0.02	0.45	0.63	1.07	1.63	1.60	2.29	2.14	2.03	1.28	0.54
	21	6	3	139	225	424	270	1080	747	93	50	9
30	-0.90	-1.68	-1.65	-0.75	0.91	2.40	3.41	3.76	4.30	4.99	3.07	2.84
	0.75	0.03	0.07	0.60	0.93	1.39	1.35	2.36	2.31	1.87	1.20	0.63
	18	6	2	145	211	375	143	544	676	125	70	12
50	-1.09	-1.45	0.17	-0.95	-0.20	0.21	0.57	0.72	0.50	0.90	1.53	2.19
	0.27	0.18	-99.0	0.50	0.82	0.79	0.84	1.29	0.78	0.64	0.93	0.51
	25	7	1	155	100	103	41	174	345	19	143	19
75	-0.05	-0.86	-0.59	-0.79	0.32	0.12	0.36	0.32	0.25	0.68	0.56	0.85
	0.61	0.83	0.62	0.65	0.73	0.69	0.75	0.78	0.55	0.49	0.60	0.28
	52	12	2	144	83	58	18	112	304	10	71	24
100	0.68	0.34	-0.42	0.11	1.11	0.73	1.12	0.92	0.88	0.90	0.65	1.07
	0.58	1.05	0.42	0.77	0.78	0.89	1.03	0.62	0.56	0.95	0.74	0.51
	83	21	5	280	115	98	40	229	525	19	118	31
150	2.60	1.31	2.01	2.37	3.10	2.59	3.48	2.57	2.62	1.83	2.35	2.98
	0.66	0.64	0.11	1.15	0.84	0.94	1.02	0.97	0.93	1.50	1.05	0.46
	84	12	2	231	85	72	20	165	376	6	81	29
200	4.36	3.11	3.88	3.84	4.83	4.16	4.93	4.19	4.17	4.79	4.28	4.98
	0.47	0.47	0.60	0.96	0.64	0.78	0.73	0.60	0.95	0.59	0.65	0.50
	66	9	3	219	93	58	16	155	338	4	66	20
250	5.18	4.33	4.97	4.85	4.96	5.02	5.39	4.83	4.91	4.99	5.13	5.51
	0.58	0.56	0.44	0.54	1.26	0.72	0.66	0.53	0.57	0.09	0.46	0.22
	50	8	5	172	86	56	18	120	225	4	60	13
300	5.07	5.06	4.74	5.03	5.13	5.07	5.37	4.97	5.16	5.80	5.10	5.52
	0.49	0.32	0.35	0.44	0.41	0.73	0.88	0.39	0.38	-99.0	0.56	0.12
	35	9	3	370	21	24	15	106	263	1	52	19
400	4.97	5.20	4.31	5.32	4.77	4.84	4.52	4.93	4.81		5.17	5.21
	0.45	-99.0	-99.0	-99.0	0.36	0.43	-99.0	0.29	0.20		0.20	0.03
	14	2	1	5	20	10	3	13	3		15	3

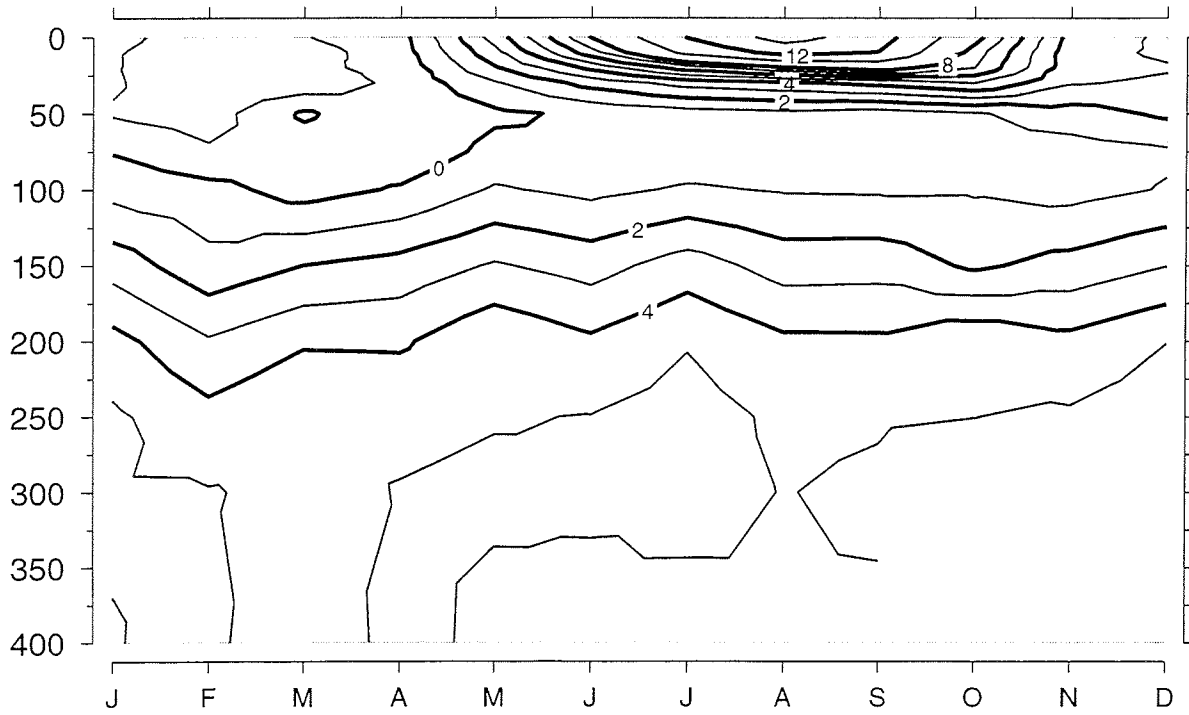
Table 10: SALINITY AT SUBAREA 10 S LAURENTIAN CHANNEL

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.75	31.67	31.47	31.80	31.18	30.56	30.46	30.10	29.72	30.83	31.15	31.21
	0.20	0.16	0.19	0.14	0.40	0.63	0.38	0.41	0.54	-99.0	0.25	0.14
	18	6	3	31	108	67	18	83	69	3	34	7
10	31.71	31.71	31.61	31.86	31.58	31.05	30.40	30.43	29.88		31.22	31.22
	0.15	0.15	0.29	0.11	0.37	0.42	0.43	0.24	0.56		0.26	0.14
	16	5	3	21	18	29	4	62	118		25	9
20	31.76	31.70	31.67	31.88	31.67	31.47	31.23	31.05	30.27		31.26	31.15
	0.12	0.15	0.16	0.12	0.37	0.28	0.43	0.21	0.59		0.26	0.08
	15	4	2	26	21	28	5	94	159		30	9
30	31.84	31.70	31.84	31.89	31.83	31.70	31.63	31.41	30.98		31.32	31.27
	0.12	0.15	0.02	0.11	0.25	0.28	0.13	0.26	0.61		0.33	0.14
	13	6	2	27	17	20	6	95	164		35	12
50	31.87	31.78	31.96	31.98	32.13	32.11	32.04	32.01	31.95		32.00	31.63
	0.09	0.15	-99.0	0.15	0.13	0.20	0.09	0.13	0.20		0.42	0.29
	14	4	1	25	20	17	6	70	126		60	19
75	32.21	31.86	32.01	32.34	32.51	32.46	32.47	32.40	32.37		32.46	32.39
	0.22	0.08	-99.0	0.36	0.18	0.28	0.10	0.10	0.16		0.29	0.05
	32	10	1	31	14	22	6	59	113		50	24
100	32.77	32.25	32.24	32.59	32.81	32.83	32.96	32.80	32.77	32.68	32.80	32.86
	0.22	0.13	-99.0	0.34	0.43	0.31	0.22	0.10	0.12	-99.0	0.22	0.04
	63	11	1	49	18	21	8	123	161	1	79	31
150	33.54	33.22	33.15	33.49	33.70	33.47	33.72	33.49	33.52	32.83	33.50	33.60
	0.23	0.14	-99.0	0.37	0.12	0.12	0.15	0.10	0.23	-99.0	0.28	0.07
	59	9	1	42	17	13	7	108	147	1	58	29
200	34.14	34.04	33.81	34.13	34.21	34.11	34.37	34.08	33.99		34.06	34.29
	0.12	0.14	-99.0	0.25	0.06	0.19	0.03	0.12	0.32		0.32	0.13
	46	6	1	29	15	11	7	102	142		48	20
250	34.44	34.42	34.34	34.52	34.46	34.52	34.67	34.46	34.25		34.41	34.60
	0.08	0.08	0.13	0.11	0.08	0.11	-99.0	0.13	0.26		0.28	0.12
	28	5	2	21	13	6	7	74	81		34	13
300	34.60	34.68	34.61	34.53	34.62	34.62	34.86	34.58	34.51		34.66	34.74
	0.05	0.07	0.12	0.21	0.04	0.09	0.01	0.12	0.04		0.07	0.07
	27	9	3	33	16	14	12	91	71		47	19
400	34.80	34.75	34.65	34.87	34.78	34.78	35.04	34.77	34.71		34.80	34.83
	0.04	-99.0	-99.0	-99.0	0.05	0.05	-99.0	0.10	-99.0		0.06	0.03
	9	2	1	5	11	9	3	5	1		15	3

Vertical Structure (Monthly Means): S LAURENTIAN CHANNEL

Temperature (deg C)



Salinity

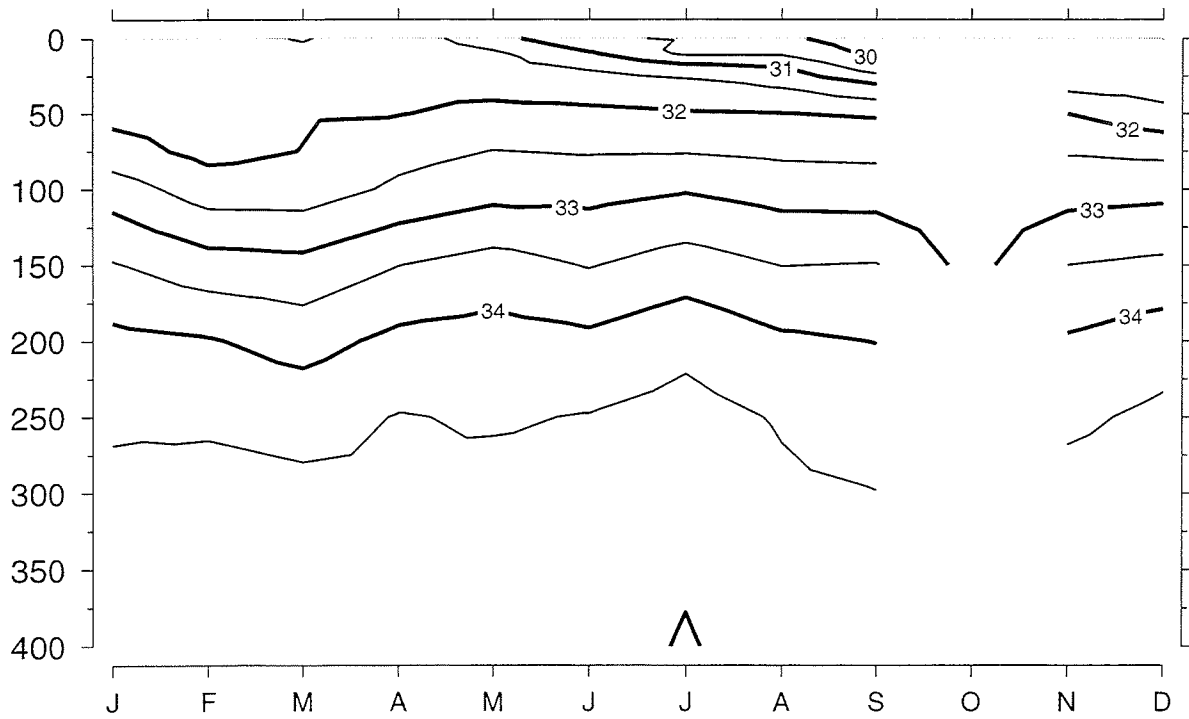


Table 11: TEMPERATURE AT SUBAREA 11 SHEDIAC VALLEY

MEAN, S.D., NO. OF OBSERVATIONS

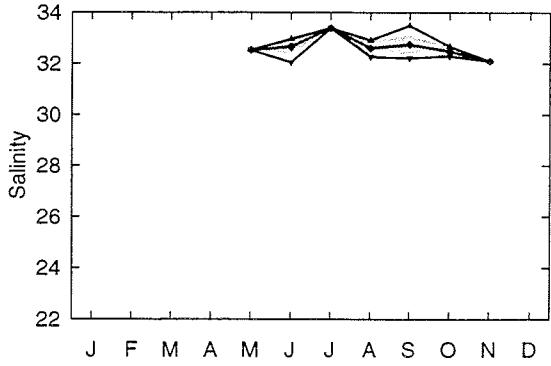
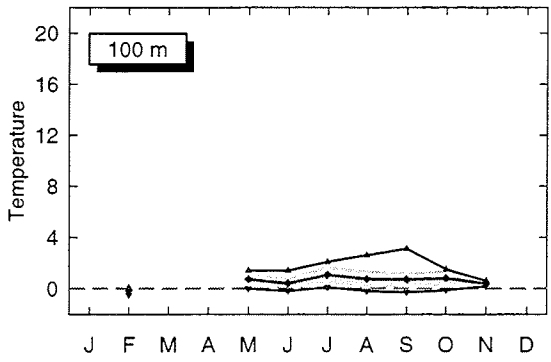
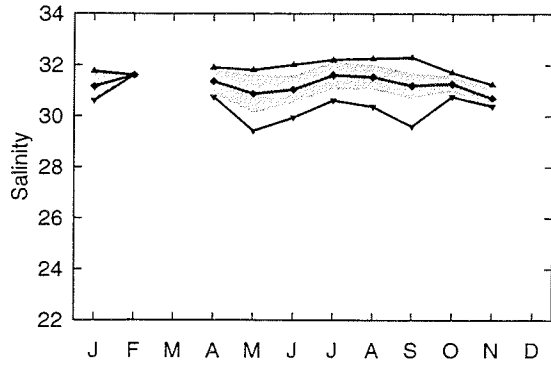
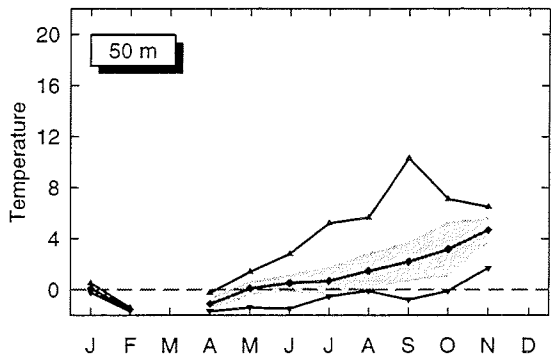
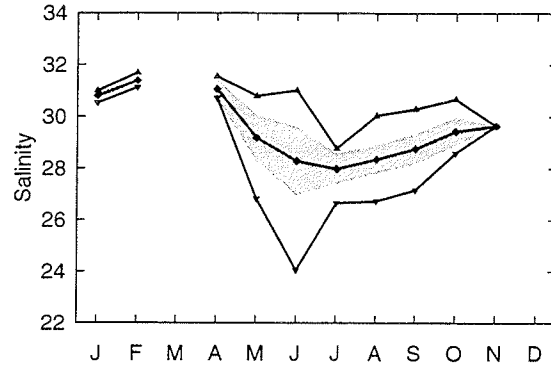
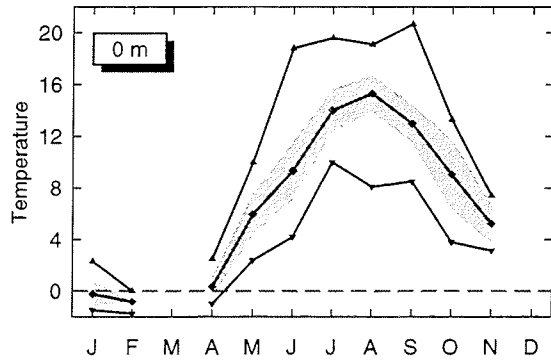
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	-0.24	-0.83		0.34	5.95	9.33	14.01	15.31	12.98	9.05	5.22	
	0.99	-99.0		0.75	1.58	2.22	1.65	1.41	1.45	2.71	1.44	
	16	15		29	206	376	157	286	704	106	25	
10	-0.09	-1.59		0.03	4.75	7.38	11.39	13.69	12.24	8.36	5.26	
	1.17	-99.0		0.58	1.32	1.90	1.52	1.63	1.33	2.71	1.35	
	10	3		50	357	776	471	626	1026	101	18	
20	-0.82	-1.64		-0.27	3.06	4.73	6.72	9.86	10.29	7.12	5.24	
	0.47	-99.0		0.63	0.98	1.58	2.21	2.16	1.74	1.93	1.21	
	2	4		49	298	706	388	1025	1654	181	20	
30	-0.76	-1.57		-0.48	1.77	2.74	3.95	5.62	7.22	6.08	4.93	
	0.47	-99.0		0.64	0.99	1.24	1.90	2.36	2.05	2.11	1.08	
	2	5		44	207	470	278	810	1718	172	24	
50	0.10	-1.55		-1.13	0.10	0.52	0.68	1.47	2.19	3.17	4.69	
	0.32	-99.0		0.50	0.54	0.70	1.09	1.41	1.56	2.15	0.99	
	4	2		20	66	164	70	149	668	97	23	
75		-0.80		-1.16	0.21	0.11	0.25	0.49	0.52	1.06	2.00	
		-99.0		-99.0	0.71	0.54	0.50	0.44	0.53	0.87	0.63	
		1		2	40	65	14	62	199	25	20	
100		-0.15			0.73	0.39	1.07	0.75	0.70	0.80	0.39	
		-99.0			0.47	0.41	0.70	0.68	0.55	0.58	-99.0	
		6			18	19	6	32	86	5	3	

Table 11: SALINITY AT SUBAREA 11 SHEDIAC VALLEY

MEAN, S.D., NO. OF OBSERVATIONS

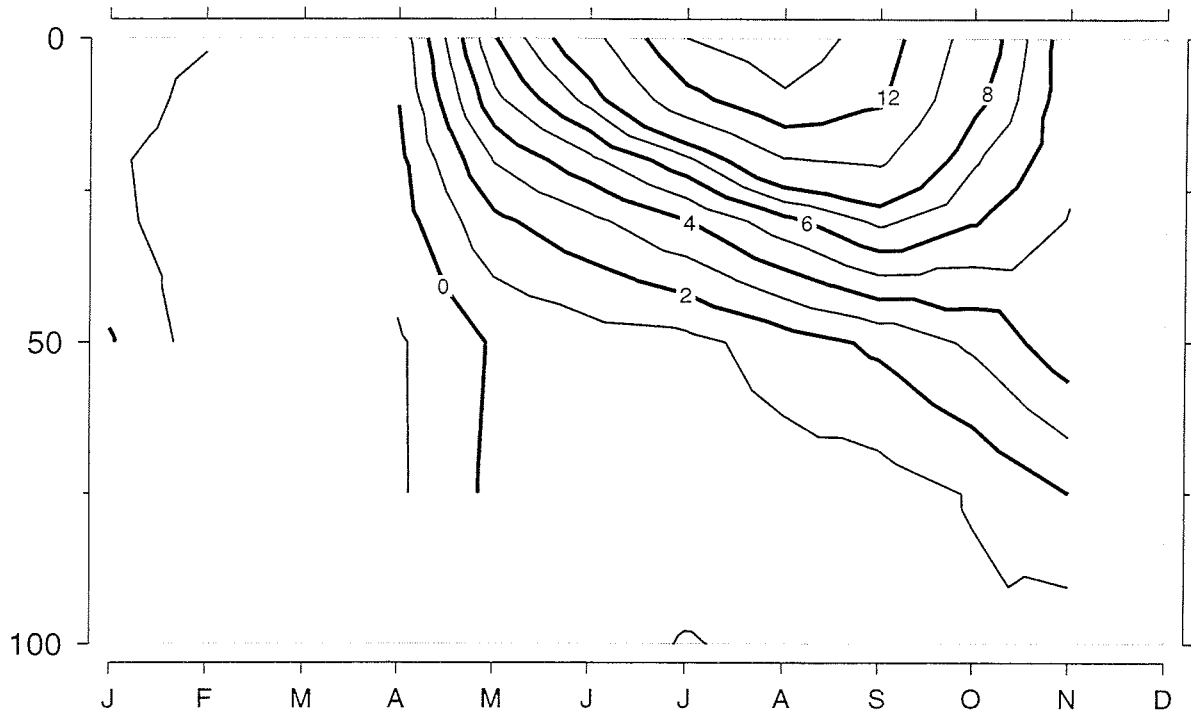
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	30.80	31.39		31.07	29.18	28.29	27.98	28.36	28.76	29.44	29.65	
	0.18	-99.0		0.35	0.89	1.32	0.59	0.54	0.59	0.54	-99.0	
	6	3		3	75	98	29	100	206	35	1	
10	30.75	31.52		31.05	29.76	28.74	27.53	28.55	28.68	29.79	29.77	
	0.21	-99.0		0.34	0.55	0.97	1.33	0.62	0.70	0.69	0.14	
	3	2		4	28	41	21	55	267	23	2	
20	30.77	31.48		31.09	30.35	29.72	29.00	29.55	29.07	29.97	29.75	
	0.21	-99.0		0.33	0.52	0.55	1.52	0.59	0.76	0.78	0.11	
	2	3		4	24	36	23	55	263	17	3	
30	30.78	31.45		31.14	30.32	30.20	30.35	30.41	29.97	30.10	29.91	
	0.20	-99.0		0.33	0.49	0.52	0.84	0.74	0.79	0.78	0.20	
	2	3		5	16	29	22	50	236	9	3	
50	31.16	31.60		31.36	30.87	31.04	31.60	31.54	31.20	31.27	30.70	
	0.55	-99.0		0.45	0.76	0.54	0.54	0.49	0.52	0.29	0.39	
	4	1		5	12	18	7	35	203	9	3	
75				31.27	32.18	32.10	32.51	32.29	32.19	31.95	31.74	
				-99.0	0.26	0.46	0.11	0.28	0.24	0.85	0.27	
				1	6	19	5	24	62	10	2	
100					32.53	32.67	33.39	32.61	32.75	32.49	32.10	
					-99.0	0.27	-99.0	0.31	0.34	0.19	-99.0	
					1	5	1	6	18	2	1	

Statistics: SHEDIAC VALLEY



Vertical Structure (Monthly Means): SHEDIAC VALLEY

Temperature (deg C)



Salinity

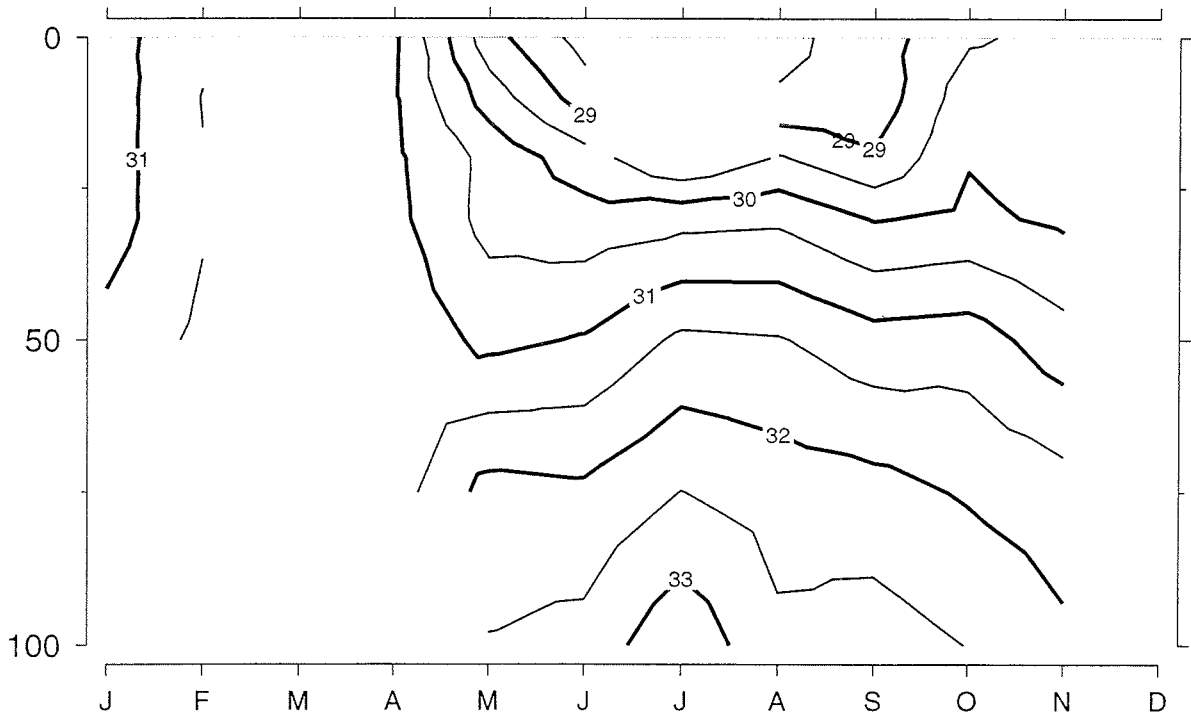
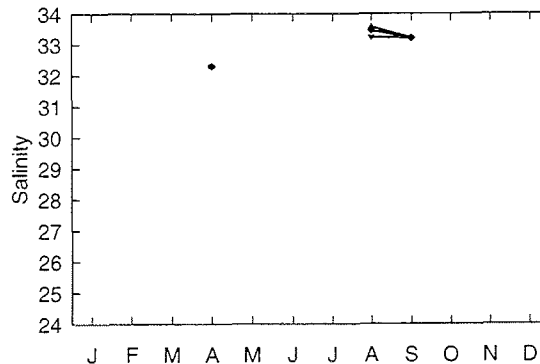
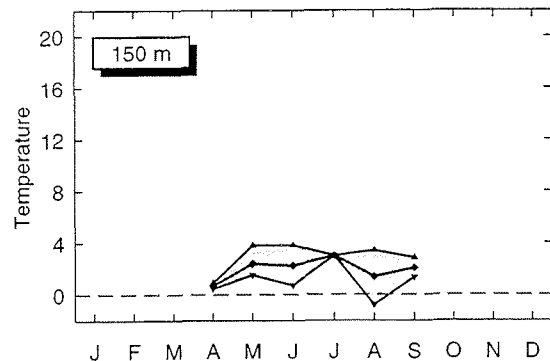
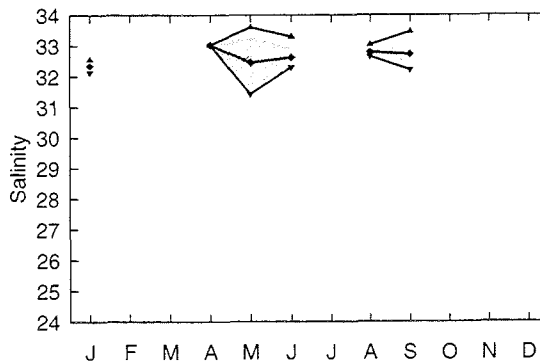
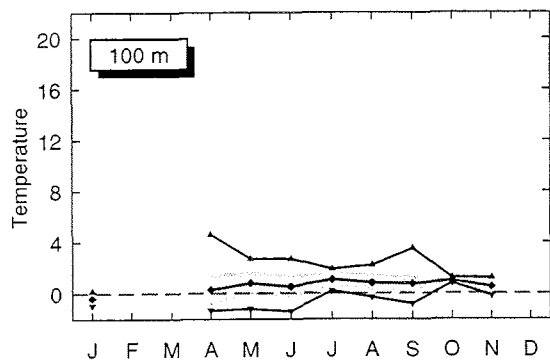
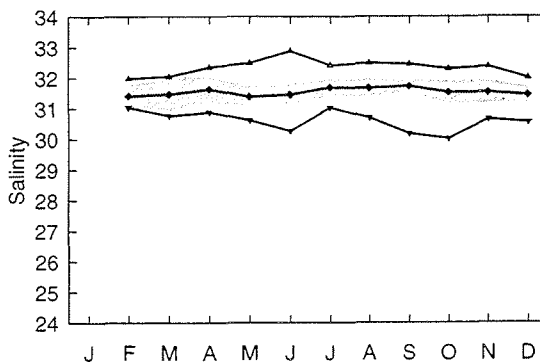
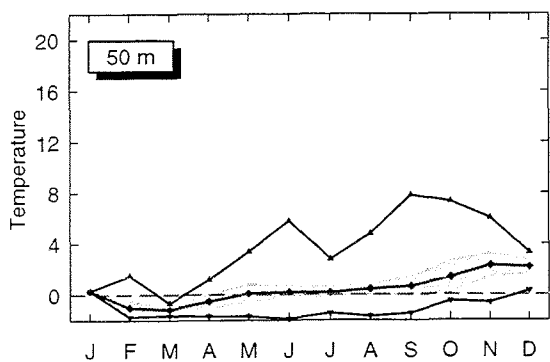
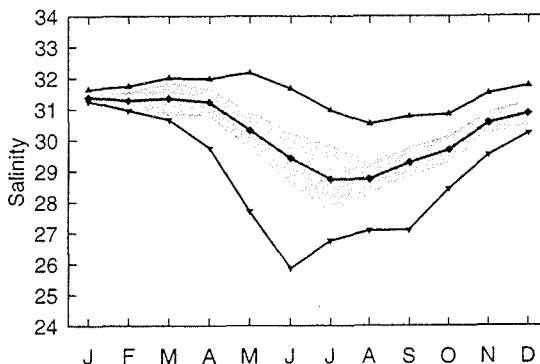
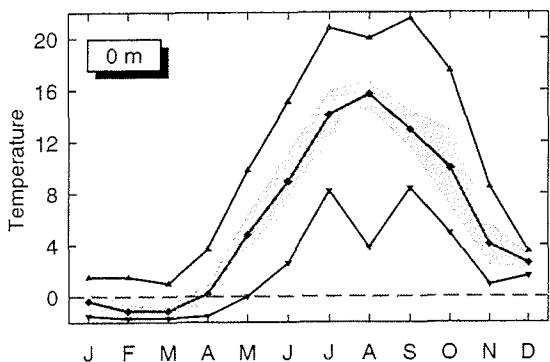


Table 12: TEMPERATURE AT SUBAREA 12 NW MAGDALEN SHALLOWS

MEAN, S.D., NO. OF OBSERVATIONS

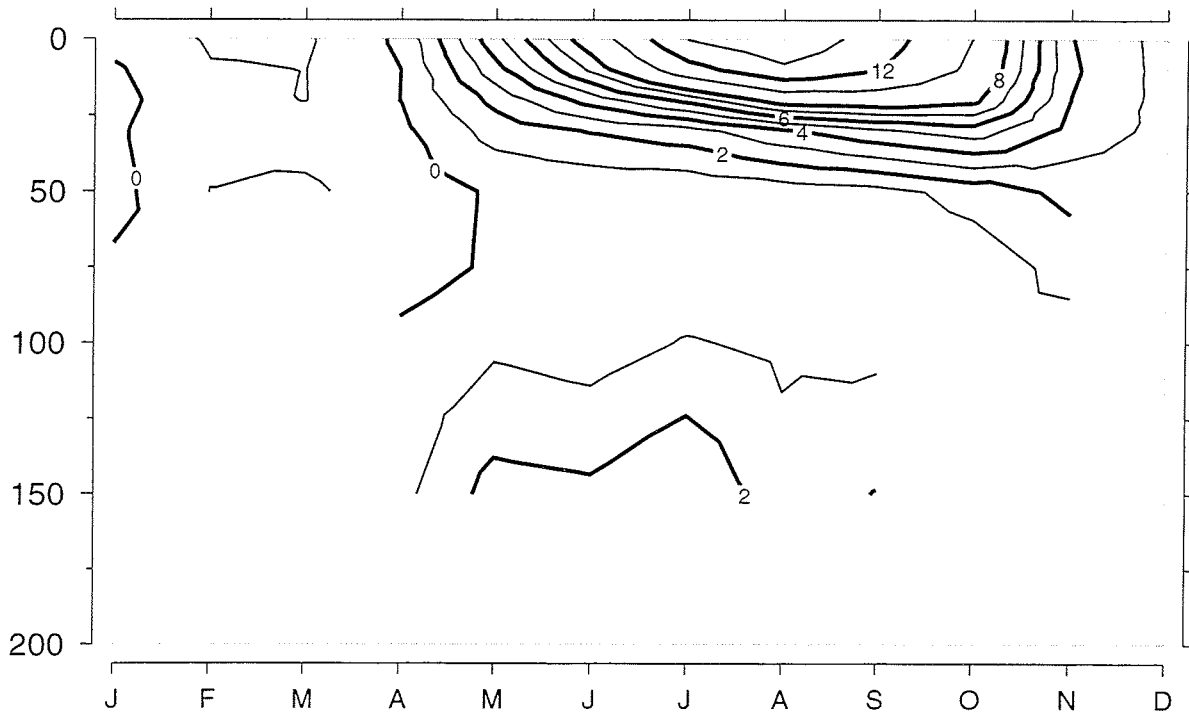
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	-0.36	-1.12	-1.13	0.22	4.78	8.93	14.08	15.67	12.93	9.95	4.04	2.59
	0.71	0.48	0.34	0.74	1.53	2.28	1.84	1.10	1.46	3.01	1.59	0.65
	14	46	13	204	883	1385	341	1000	1420	167	171	26
10	0.12	-0.94	-1.01	0.01	3.67	7.28	11.24	13.57	12.07	9.54	4.15	2.62
	0.04	0.67	0.59	0.68	1.01	1.95	1.53	1.85	1.60	2.94	1.62	0.70
	7	16	8	302	976	2910	1312	2993	2505	161	136	43
20	0.31	-0.79	-1.02	0.02	2.33	4.46	6.29	8.57	8.85	8.25	3.98	2.65
	0.07	0.81	0.55	0.86	1.03	1.33	1.66	2.65	1.80	2.44	1.55	0.65
	6	12	9	304	1138	3316	1207	5180	4702	348	153	51
30	0.15	-0.86	-0.60	-0.22	1.42	2.09	2.61	3.81	4.80	5.50	3.63	2.67
	0.10	0.74	0.39	0.66	1.05	0.91	1.57	2.14	2.04	3.24	1.17	0.58
	7	13	7	312	996	1784	560	2425	3753	369	306	49
50	0.30	-1.01	-1.17	-0.52	0.12	0.21	0.17	0.44	0.65	1.36	2.29	2.17
	-99.0	0.60	0.16	0.58	0.81	0.54	0.50	0.47	0.78	1.35	0.99	0.62
	1	20	5	302	432	840	189	716	2028	214	284	50
75	-0.14	-0.30		-0.51	0.16	0.12	0.27	0.23	0.20	0.39	1.34	
	0.90	-99.0		0.63	0.50	0.58	0.70	0.59	0.40	0.60	0.92	
	6	5		89	124	249	51	167	560	28	40	
100	-0.37			0.28	0.80	0.52	1.08	0.82	0.74	0.98	0.50	
	-99.0			1.18	0.91	0.90	0.59	0.67	0.60	-99.0	0.60	
	2			22	40	54	7	49	279	4	7	
150				0.68	2.38	2.22	3.00	1.38	2.04			
				-99.0	0.88	1.38	-99.0	1.63	0.58			
				2	6	6	1	11	19			
200								1.80				
								2.30				
								2				

Statistics: NW MAGDALEN SHALLOWS



Vertical Structure (Monthly Means): NW MAGDALEN SHALLOWS

Temperature (deg C)



Salinity

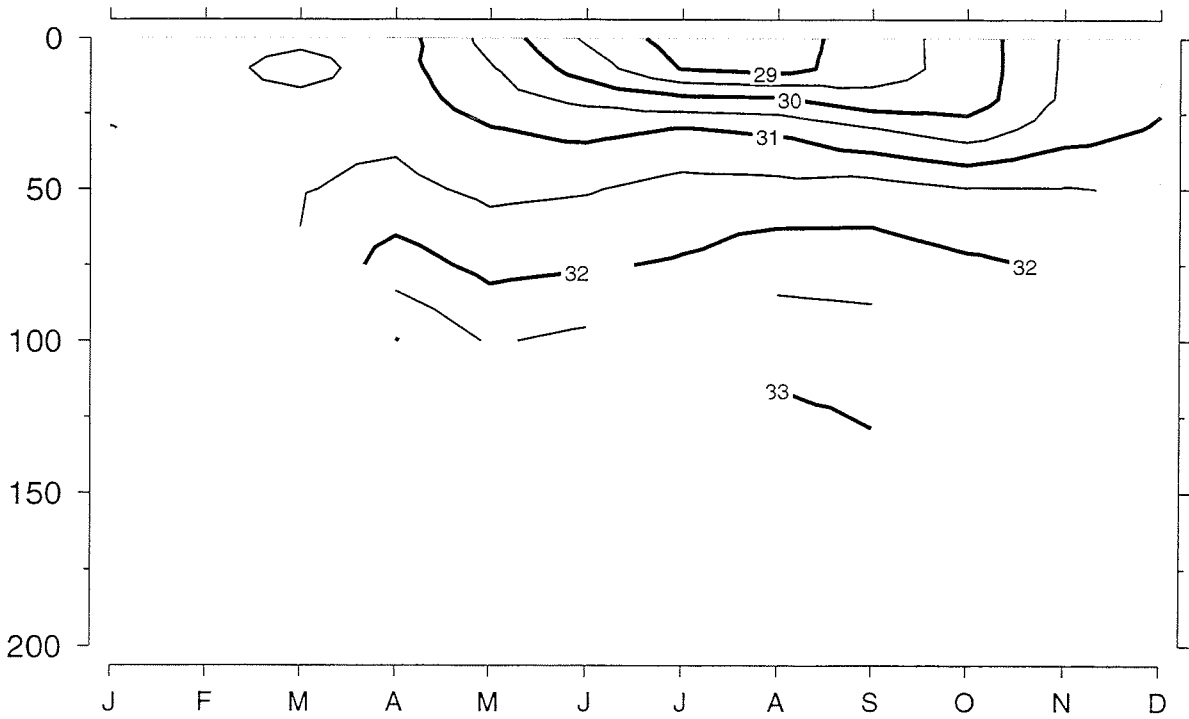
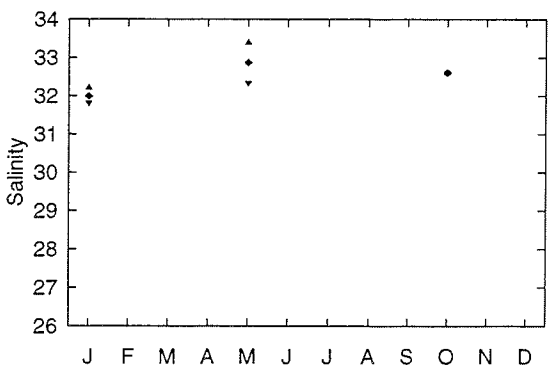
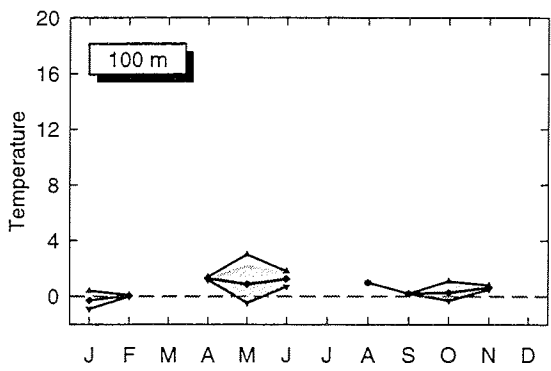
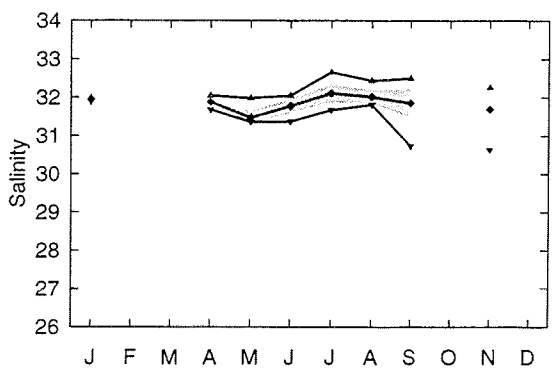
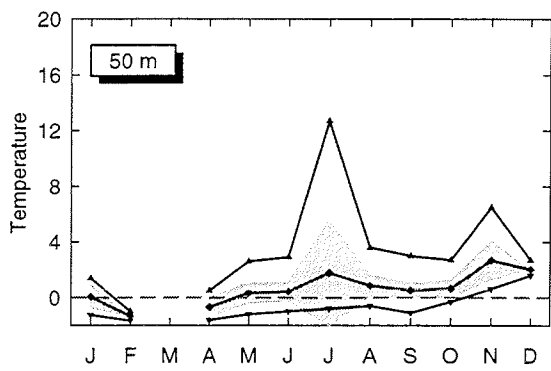
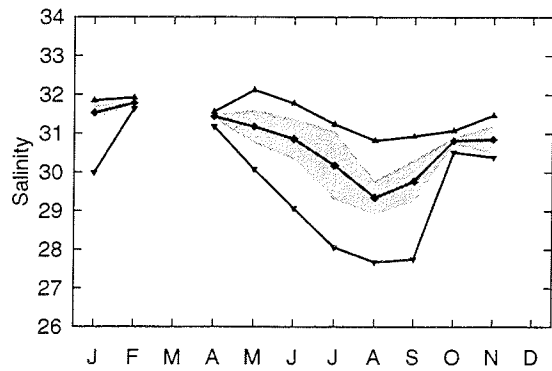
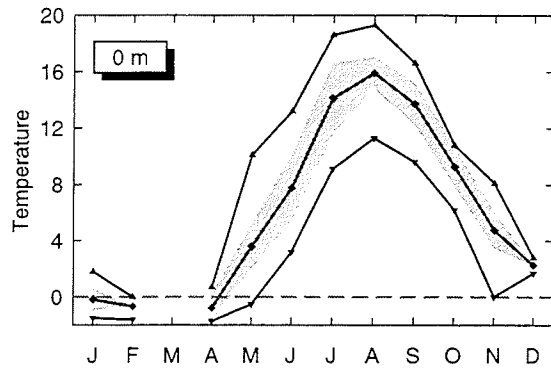


Table 13: TEMPERATURE AT SUBAREA 13 NE MAGDALEN SHALLOWS

MEAN, S.D., NO. OF OBSERVATIONS

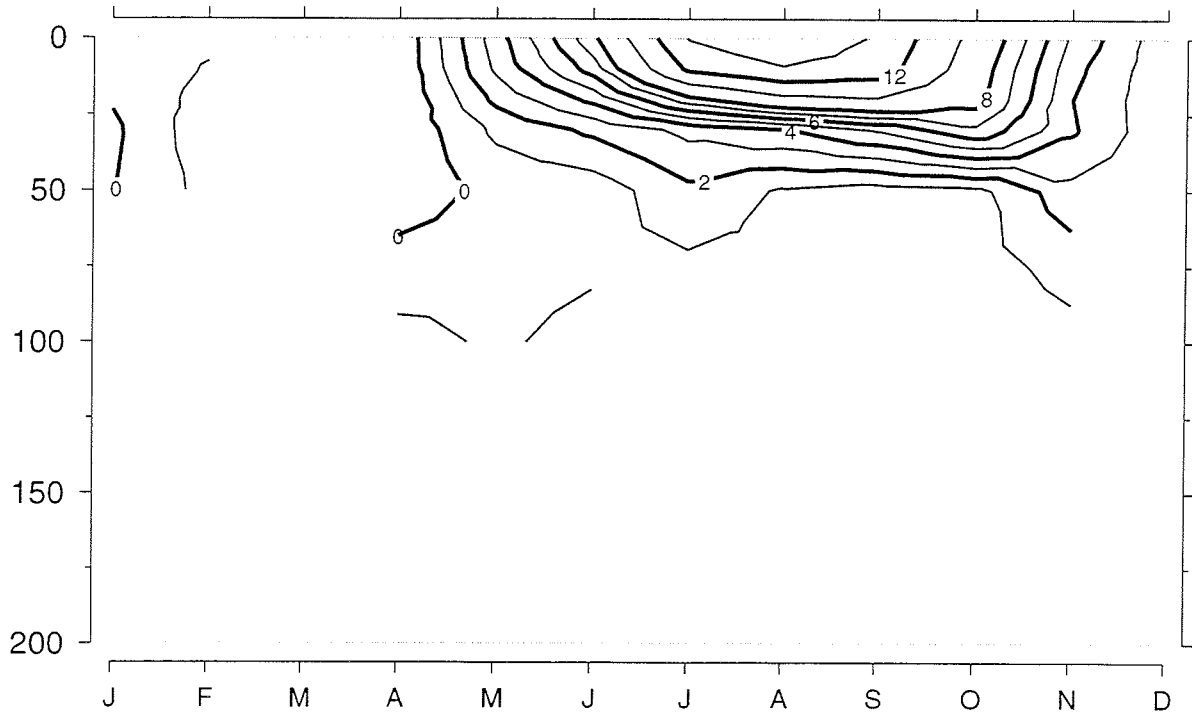
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	-0.18	-0.67		-0.79	3.59	7.77	14.12	15.91	13.72	9.28	4.76	2.27
	0.78	-99.0		0.93	1.57	2.34	2.49	1.14	1.45	1.35	1.27	-99.0
	36	19		12	294	283	78	221	576	34	81	6
10	-0.08	-1.11		-0.82	3.24	6.51	12.38	13.80	13.00	8.74	4.28	2.21
	0.78	-99.0		0.92	0.94	1.90	2.21	1.41	1.61	1.38	1.03	-99.0
	30	7		8	203	463	227	534	1041	19	38	9
20	-0.10	-1.40		-0.91	2.29	4.31	7.61	9.42	9.80	8.44	4.01	2.17
	0.73	-99.0		0.85	1.00	1.48	3.08	1.98	2.60	1.14	1.04	-99.0
	36	4		11	260	531	360	1026	1734	68	36	9
30	0.19	-1.67		-0.83	1.22	2.22	3.29	3.91	5.09	6.77	4.13	2.16
	0.33	-99.0		0.92	0.74	1.31	3.51	1.43	2.75	1.63	0.99	-99.0
	26	1		11	252	349	124	366	1203	110	91	8
50	0.05	-1.33		-0.69	0.33	0.42	1.77	0.87	0.52	0.66	2.69	2.03
	0.85	-99.0		0.77	0.76	0.71	3.87	0.80	0.53	0.65	1.47	-99.0
	14	2		9	98	107	29	49	449	15	105	6
75		-0.50		0.47	0.70	0.89	0.78	0.68	0.33	0.56	1.35	
		-99.0		-99.0	0.71	0.85	0.98	1.00	0.56	0.77	1.12	
		6		6	25	23	7	10	48	6	13	
100	-0.28	0.05		1.30	0.88	1.25		1.00	0.20	0.27	0.65	
	-99.0	-99.0		-99.0	1.35	0.55		-99.0	-99.0	0.56	-99.0	
	5	2		3	5	2		1	1	11	2	
150								-0.80		1.75		
								-99.0		-99.0		
								1		1		
200								-0.50				
								-99.0				
								1				

Statistics: NE MAGDALEN SHALLOWS



Vertical Structure (Monthly Means): NE MAGDALEN SHALLOWS

Temperature (deg C)



Salinity

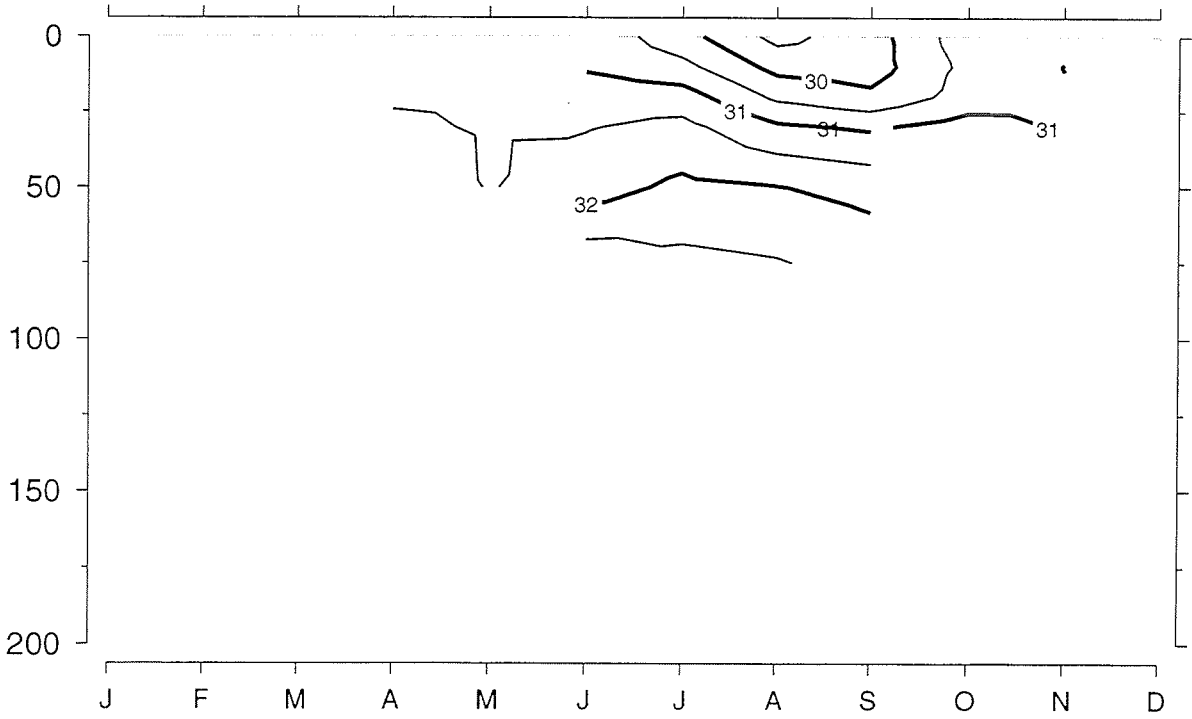


Table 14: TEMPERATURE AT SUBAREA 14 W NORTHUMBERLAND STRAIT

MEAN, S.D., NO. OF OBSERVATIONS

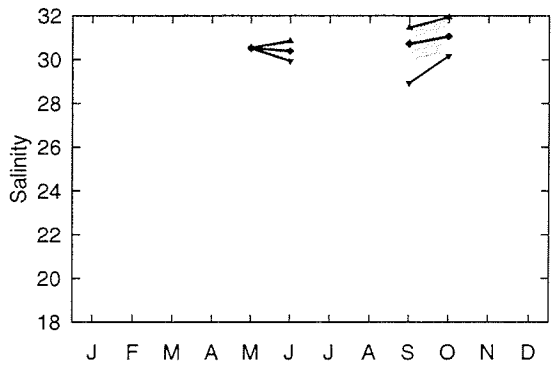
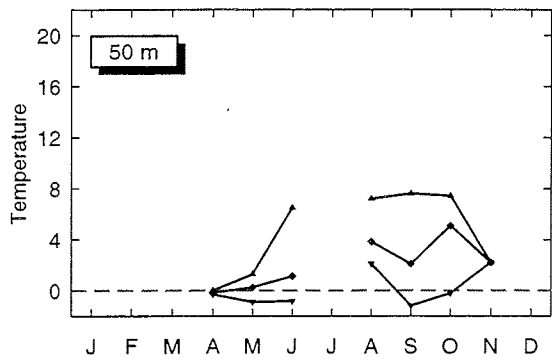
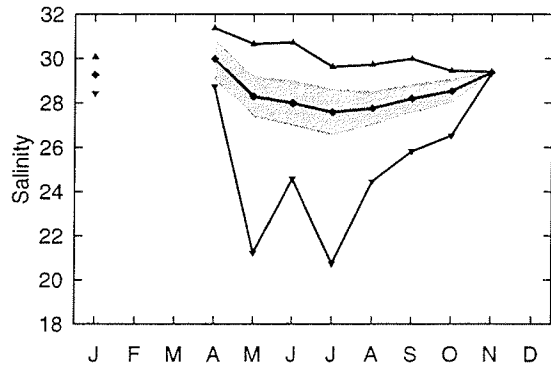
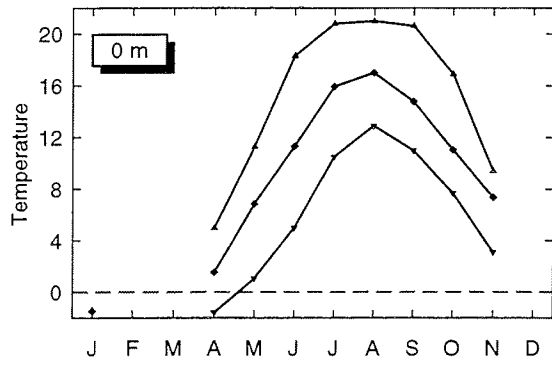
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	-1.49			1.54	6.85	11.32	15.93	17.00	14.78	11.06	7.35	
	0.05			1.92	1.53	1.70	1.42	0.86	1.25	1.35	1.24	
	14			83	321	951	883	763	938	277	29	
10	-1.53			0.16	4.80	8.85	12.65	14.46	13.97	11.02	7.50	
	0.04			1.21	1.12	1.45	1.16	1.39	1.37	1.34	1.16	
	11			139	581	2234	3383	2664	1520	271	24	
20	-1.52			0.59	3.15	6.07	7.96	10.57	11.61	10.46	6.78	
	0.05			1.19	1.19	1.60	1.24	2.16	1.88	1.21	2.02	
	7			133	318	1249	1893	2141	2172	348	28	
30				0.57	1.64	3.07	4.51	6.09	7.58	7.76	5.85	
				1.34	1.66	1.72	2.14	1.70	2.96	2.06	1.60	
				68	53	269	123	321	1223	87	16	
50				-0.17	0.26	1.13		3.83	2.08	5.09	2.20	
				-99.0	0.83	1.47		1.81	1.99	3.01	-99.0	
				3	11	25		7	53	17	1	

Table 14: SALINITY AT SUBAREA 14 W NORTHUMBERLAND STRAIT

MEAN, S.D., NO. OF OBSERVATIONS

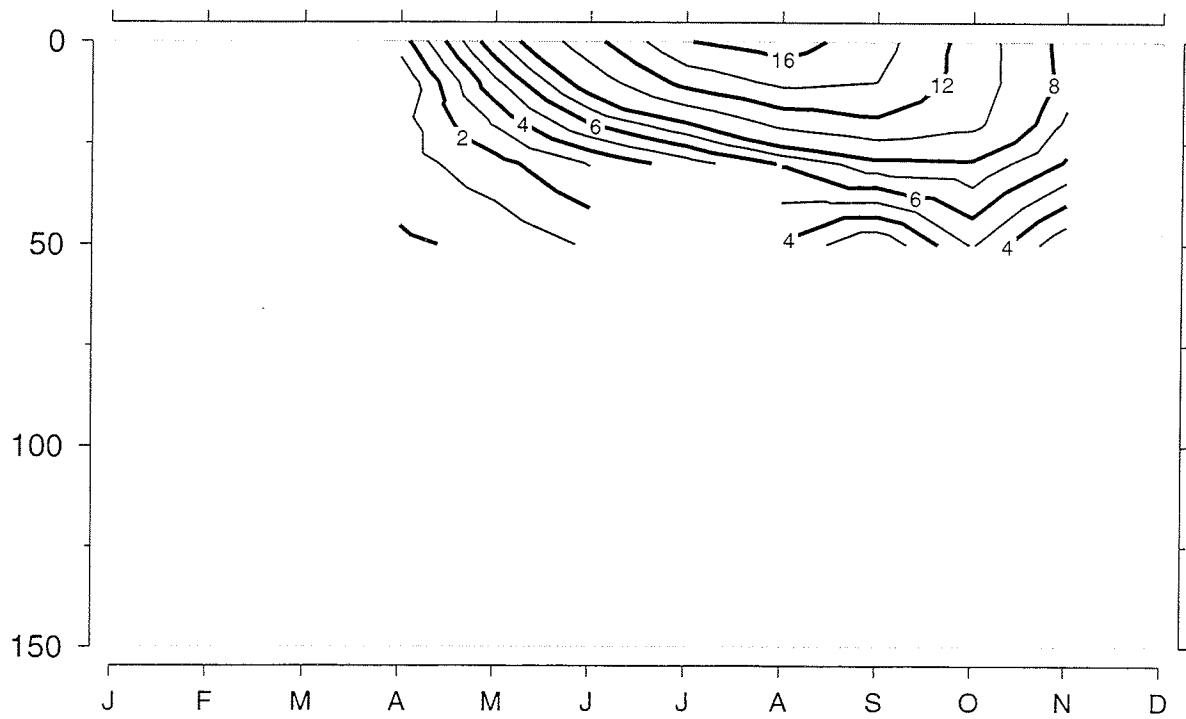
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	29.27			29.99	28.30	28.00	27.59	27.76	28.20	28.54	29.37	
	0.65			0.89	0.92	1.02	1.05	0.76	0.65	0.56	0.04	
	9			8	82	146	169	168	293	93	2	
10	29.22			30.74	29.15	28.54	28.11	28.16	28.21	28.63	29.34	
	0.55			0.21	0.81	0.77	0.86	0.71	0.57	0.45	0.01	
	9			11	71	82	170	143	453	98	2	
20	29.11			30.89	29.75	29.08	28.89	28.78	28.62	28.80	29.35	
	0.66			0.19	0.68	0.68	0.79	0.58	0.51	0.37	0.02	
	6			6	65	79	188	147	355	66	2	
30					30.01	30.49	30.24	29.82	29.54	29.54	29.67	
					1.25	0.27	0.27	0.35	0.74	0.29	-99.0	
					14	10	13	47	153	8	1	
50					30.54	30.40			30.73	31.07		
					-99.0	0.46			0.77	0.72		
					4	2			13	3		

Statistics: W NORTHUMBERLAND STRAIT



Vertical Structure (Monthly Means): W NORTHUMBERLAND STRAIT

Temperature (deg C)



Salinity

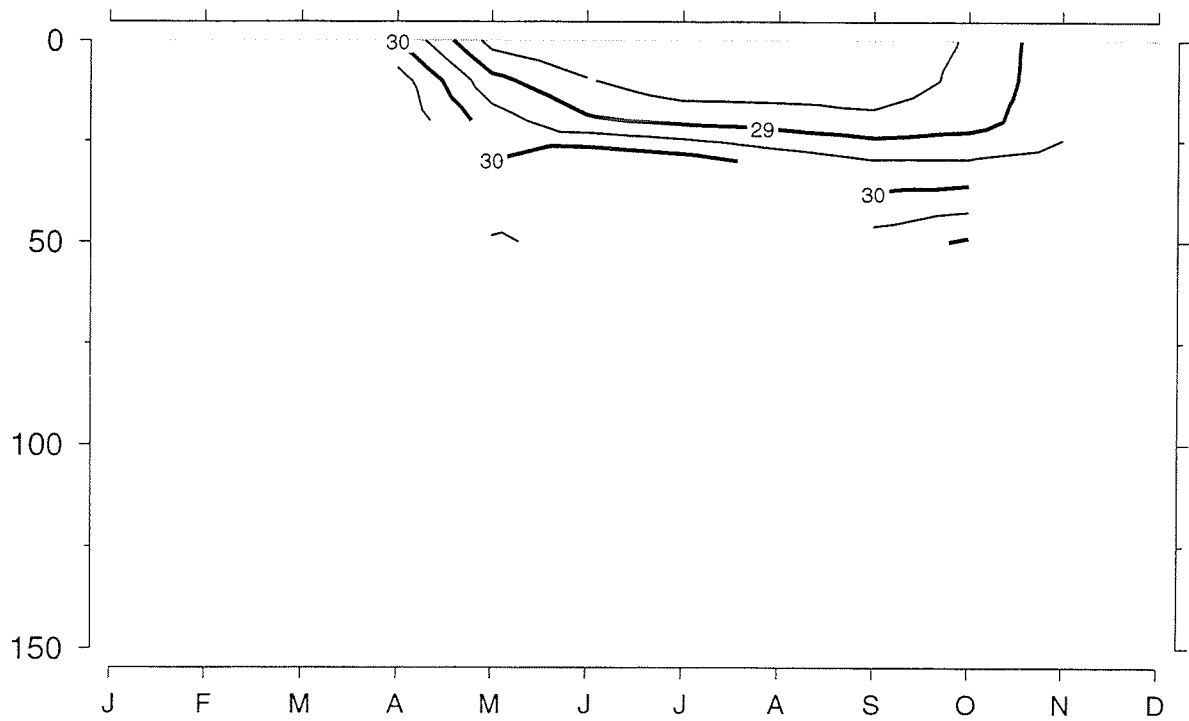


Table 15: TEMPERATURE AT SUBAREA 15 S MAGDALEN SHALLOWS

MEAN, S.D., NO. OF OBSERVATIONS

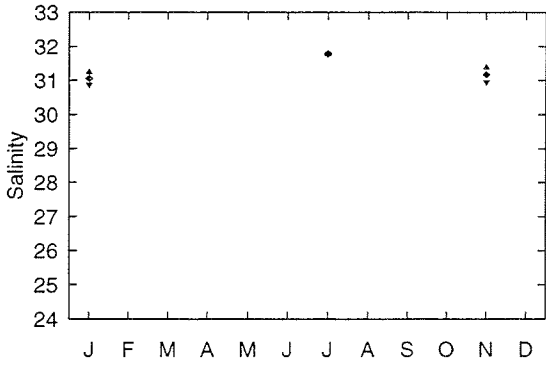
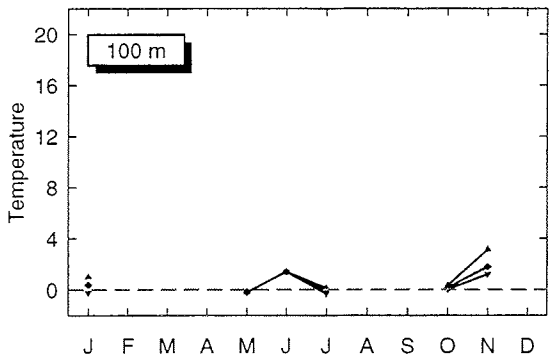
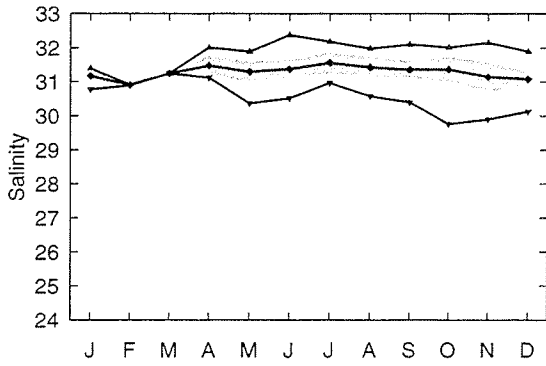
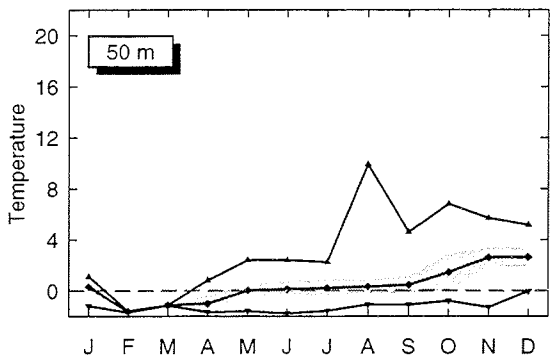
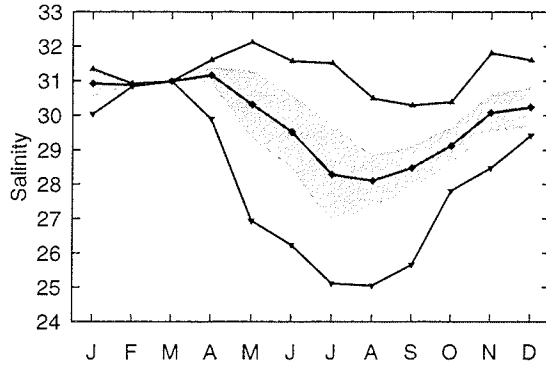
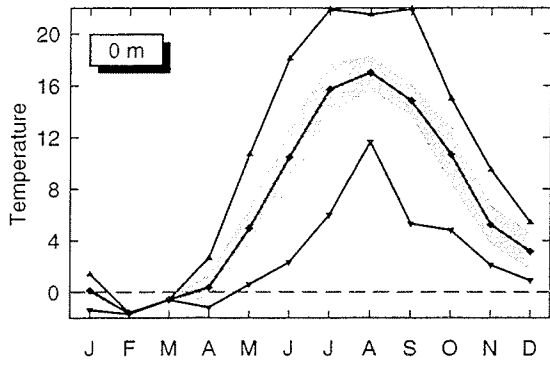
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	0.12	-1.65	-0.60	0.37	4.95	10.48	15.72	17.01	14.84	10.67	5.23	3.16
	0.29	-99.0	-99.0	0.97	1.50	2.24	1.95	1.33	1.19	2.25	1.50	1.44
	33	2	1	60	720	1194	724	954	1492	200	214	37
10	0.33	-1.67	-0.76	0.16	3.90	8.27	12.54	15.05	14.02	9.95	5.19	3.10
	0.21	-99.0	-99.0	0.91	1.25	1.58	1.85	1.65	1.48	2.29	1.48	1.45
	32	3	1	77	637	2469	3211	2400	2550	246	191	45
20	0.27	-1.65	-0.77	-0.07	2.51	5.01	7.49	9.64	10.67	9.28	5.14	3.06
	0.13	-99.0	-99.0	0.81	1.08	1.20	2.43	1.50	1.79	2.94	1.46	1.44
	38	2	1	80	1011	2972	3128	4994	4945	410	221	47
30	0.33	-1.65	-0.79	-0.42	1.27	2.21	3.30	4.14	5.47	6.50	4.75	3.10
	0.20	-99.0	-99.0	0.75	0.83	0.94	2.14	2.15	2.12	2.88	1.22	1.42
	32	2	1	77	746	1493	1242	1935	4115	540	302	41
50	0.31	-1.65	-1.15	-1.01	0.02	0.12	0.21	0.31	0.46	1.44	2.62	2.64
	0.26	-99.0	-99.0	0.59	0.45	0.58	0.65	0.53	0.67	1.43	0.76	0.71
	19	4	1	66	337	513	343	499	1413	152	329	55
75	0.55				-0.11	0.44	-0.07	-0.28	0.03	0.92	2.77	
	0.45				-99.0	1.06	0.28	0.27	0.46	0.19	1.00	
	5				1	14	11	11	7	5	9	
100	0.37				-0.20	1.40	-0.01			0.13	1.79	
	0.59				-99.0	-99.0	0.14			-99.0	0.18	
	9				1	1	3			3	7	

Table 15: SALINITY AT SUBAREA 15 S MAGDALEN SHALLOWS

MEAN, S.D., NO. OF OBSERVATIONS

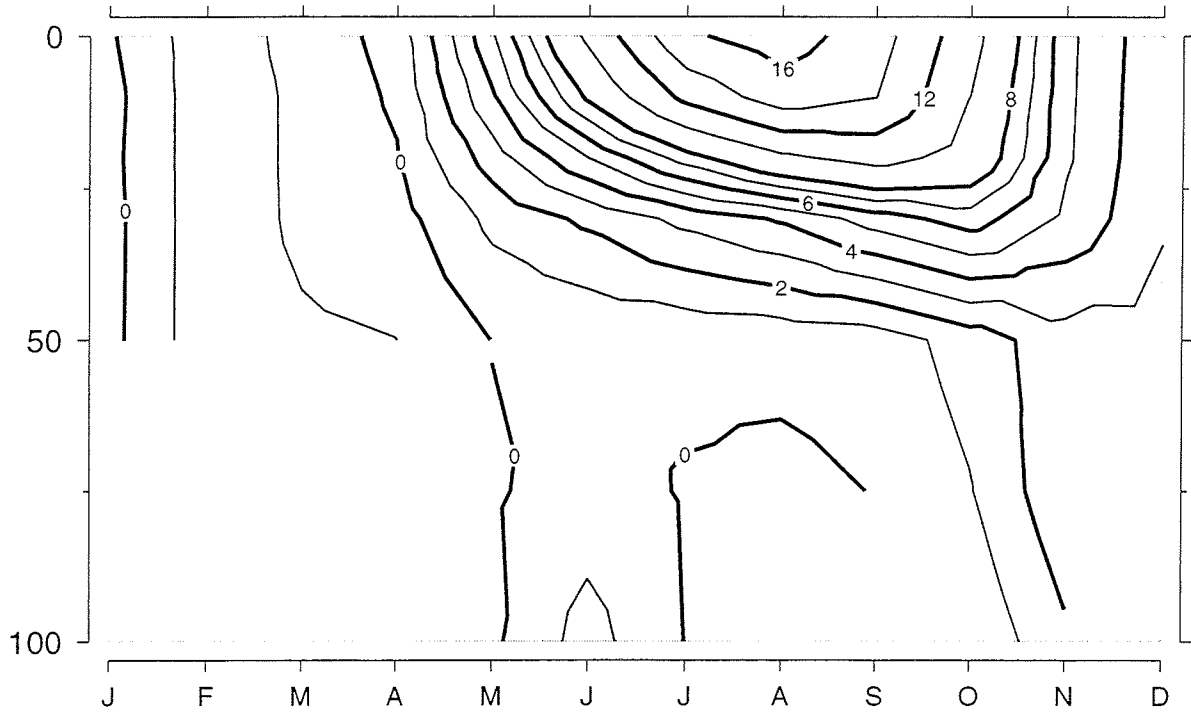
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	30.93	30.88	30.99	31.17	30.32	29.53	28.29	28.11	28.49	29.13	30.08	30.24
	0.40	-99.0	-99.0	0.22	0.99	1.07	1.42	0.76	0.64	0.53	0.54	0.58
	8	2	1	14	240	429	196	333	496	73	67	21
10	30.91	30.91	30.96	31.23	30.50	29.52	28.44	28.21	28.37	29.11	30.06	30.24
	0.38	-99.0	-99.0	0.23	1.07	1.10	1.39	0.87	0.57	0.50	0.55	0.56
	15	3	1	21	80	343	249	248	843	79	80	41
20	30.93	30.92	30.96	31.28	30.68	30.04	29.49	29.36	28.81	29.20	30.08	30.28
	0.38	-99.0	-99.0	0.24	0.88	0.97	1.14	0.78	0.67	0.51	0.51	0.57
	15	2	1	21	80	321	268	250	922	72	89	40
30	30.96	30.92	30.99	31.29	30.77	30.43	30.27	30.23	29.97	29.58	30.25	30.25
	0.33	-99.0	-99.0	0.23	0.82	0.95	0.97	0.73	0.82	0.66	0.45	0.51
	14	2	1	21	57	203	141	197	906	54	109	36
50	31.18	30.91	31.25	31.48	31.30	31.38	31.56	31.43	31.36	31.37	31.15	31.08
	0.18	-99.0	-99.0	0.27	0.29	0.26	0.31	0.31	0.24	0.36	0.42	0.22
	6	4	1	18	42	107	84	103	533	23	124	42
75	31.14					31.42	31.79	32.16	30.73		31.02	
	-99.0					0.02	0.01	-99.0	-99.0		0.19	
	2					2	2	2	1		2	
100	31.06						31.78				31.17	
	0.17						-99.0				0.22	
	4						1				2	

Statistics: S MAGDALEN SHALLOWS



Vertical Structure (Monthly Means): S MAGDALEN SHALLOWS

Temperature (deg C)



Salinity

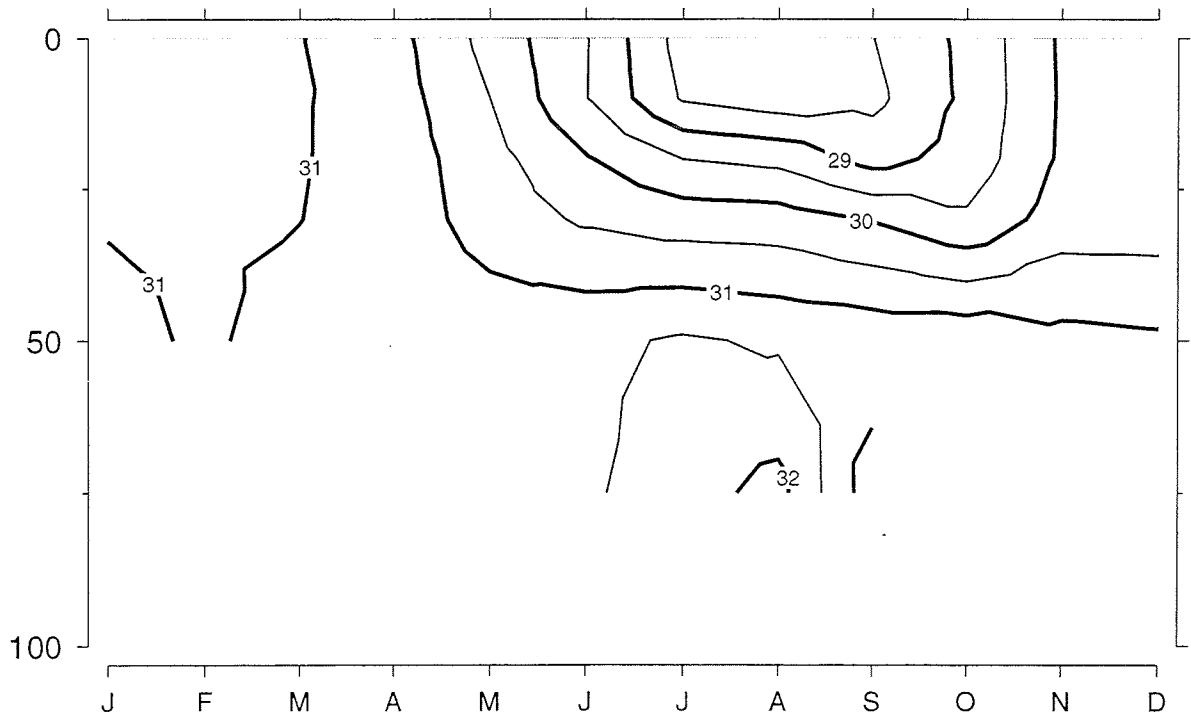


Table 16: TEMPERATURE AT SUBAREA 16 CAPE BRETON CHANNEL

MEAN, S.D., NO. OF OBSERVATIONS

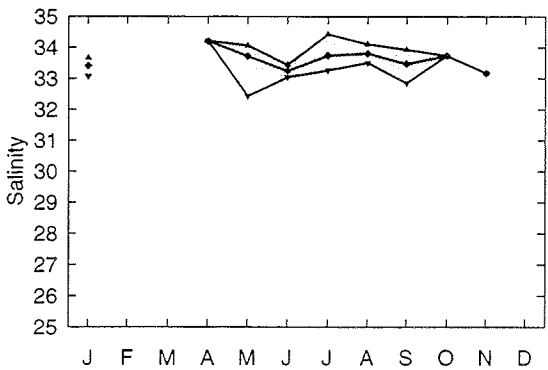
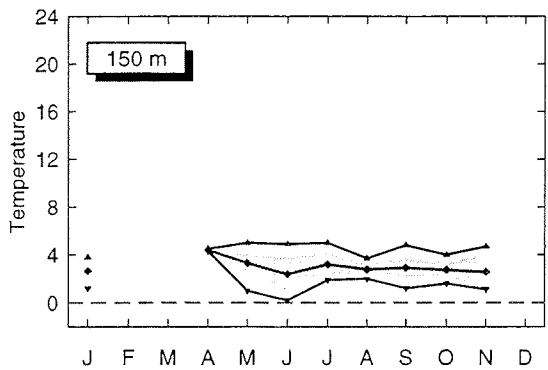
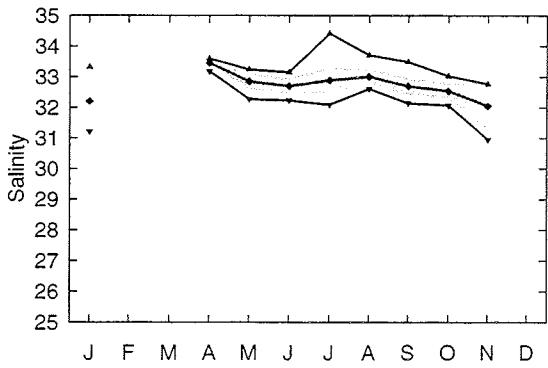
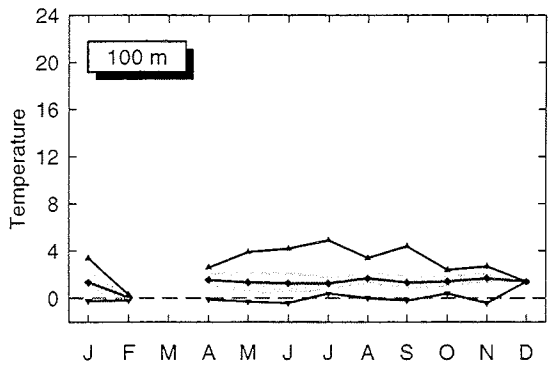
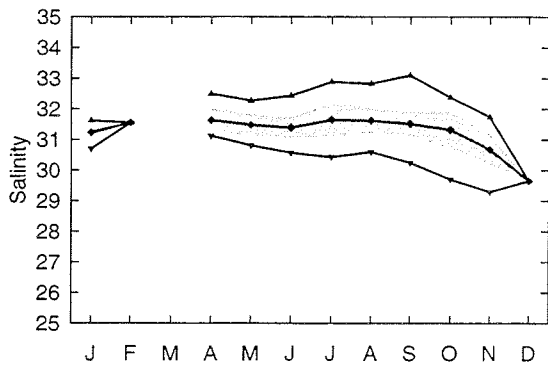
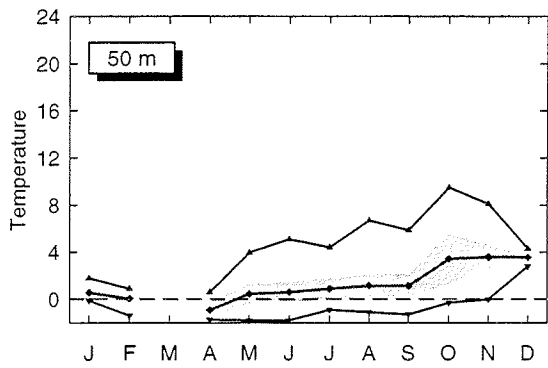
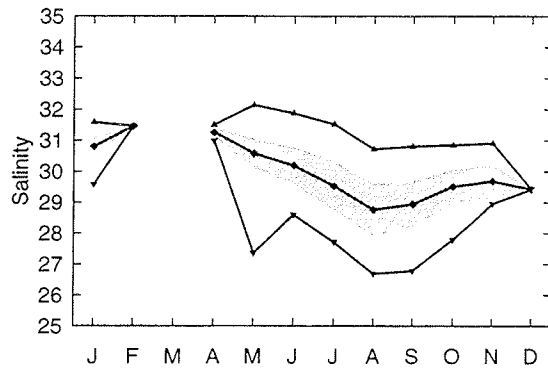
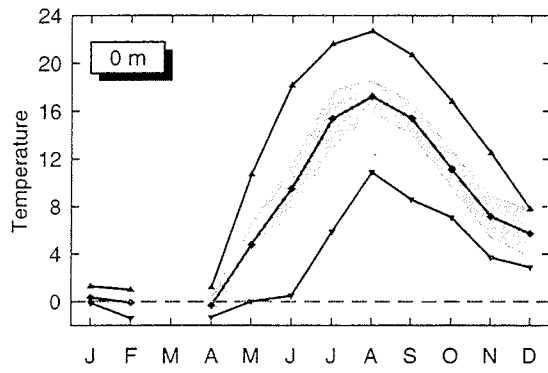
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	0.34	-0.08		-0.31	4.78	9.50	15.38	17.24	15.41	11.14	7.17	5.72
	0.24	-99.0		0.68	1.88	2.01	2.54	1.36	1.44	1.61	1.80	2.09
	42	6		19	564	768	304	1048	1045	191	153	11
10	0.33	0.34		-0.33	3.72	7.70	12.76	15.72	14.53	10.61	6.34	5.01
	0.22	-99.0		0.89	1.90	1.60	2.55	1.44	1.78	1.96	1.96	1.40
	59	4		24	635	1364	1311	3384	1952	247	124	16
20	0.34	0.32		-0.57	2.28	4.83	8.59	11.09	10.89	9.49	6.31	4.85
	0.22	-99.0		0.62	1.52	1.54	2.87	2.14	1.81	3.15	1.46	1.25
	62	4		30	629	1488	1462	5730	3682	389	148	16
30	0.38	0.25		-0.71	1.62	2.57	3.87	5.85	6.02	7.39	5.84	4.51
	0.25	-99.0		0.65	1.56	1.70	1.75	2.23	2.35	3.14	1.44	0.89
	60	5		18	493	855	791	2509	2739	360	190	16
50	0.56	0.06		-0.92	0.45	0.60	0.90	1.15	1.14	3.42	3.59	3.57
	0.49	-99.0		0.69	0.82	0.87	0.84	0.98	0.97	2.15	1.00	0.07
	54	5		19	343	315	232	538	1087	247	199	16
75	1.07	0.00		-0.22	0.50	0.59	0.78	1.10	0.84	1.34	2.30	1.97
	0.75	-99.0		0.17	0.76	0.74	0.43	0.59	0.45	0.45	0.84	-99.0
	35	5		11	127	84	63	158	273	38	60	3
100	1.36	0.08		1.56	1.34	1.27	1.26	1.69	1.34	1.42	1.70	1.40
	1.05	-99.0		0.64	0.87	1.00	0.58	0.50	0.58	0.48	0.44	-99.0
	41	4		12	155	79	105	146	359	42	50	5
150	2.65			4.40	3.31	2.38	3.20	2.79	2.92	2.73	2.57	
	0.93			0.10	0.70	1.39	0.95	0.33	0.79	0.54	1.45	
	10			2	27	10	25	12	76	10	18	

Table 16: SALINITY AT SUBAREA 16 CAPE BRETON CHANNEL

MEAN, S.D., NO. OF OBSERVATIONS

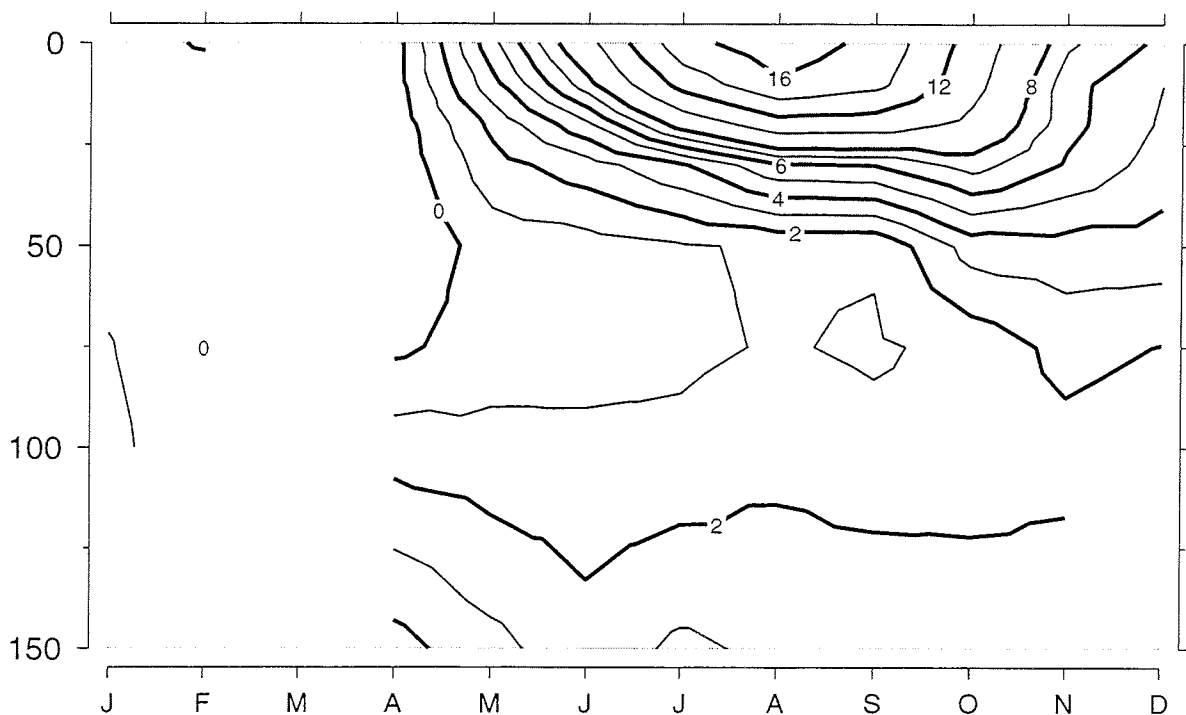
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	30.80	31.46		31.26	30.58	30.19	29.53	28.76	28.94	29.51	29.69	29.42
	0.28	-99.0		0.14	0.48	0.60	0.80	0.85	0.74	0.55	0.55	-99.0
	7	1		6	199	227	99	345	329	53	21	1
10	30.87	31.55		31.32	30.76	30.29	29.54	29.05	28.94	29.31	29.77	29.45
	0.29	-99.0		0.14	0.47	0.61	0.92	0.79	0.55	0.61	0.45	-99.0
	13	1		17	41	85	157	362	586	26	28	1
20	30.94	31.58		31.49	31.07	30.78	29.88	29.98	29.41	29.50	29.95	29.51
	0.25	-99.0		0.25	0.41	0.36	1.04	0.50	0.43	0.41	0.65	-99.0
	17	1		18	45	83	248	420	602	29	29	1
30	31.01	31.56		31.55	31.17	30.99	30.57	30.77	30.27	30.12	30.10	29.51
	0.18	-99.0		0.29	0.45	0.39	0.88	0.42	0.49	0.52	0.59	-99.0
	13	1		13	39	61	200	348	569	27	24	1
50	31.23	31.55		31.63	31.48	31.39	31.65	31.62	31.52	31.32	30.68	29.65
	0.11	-99.0		0.39	0.34	0.34	0.54	0.40	0.40	0.59	0.49	-99.0
	11	1		12	35	43	100	143	427	23	24	1
75	32.07	31.64		32.39	32.25	32.09	32.47	32.46	32.25	31.97	31.75	
	0.86	-99.0		-99.0	0.21	0.54	0.27	0.11	0.24	0.20	0.78	
	12	1		7	12	11	38	46	75	6	6	
100	32.20			33.45	32.85	32.70	32.89	33.01	32.70	32.54	32.05	
	0.82			-99.0	0.28	0.26	0.42	0.25	0.27	0.26	0.79	
	11			7	14	8	72	41	85	11	3	
150	33.41			34.21	33.72	33.24	33.74	33.81	33.47	33.73	33.17	
	0.25			-99.0	0.39	0.20	0.48	-99.0	0.32	-99.0	-99.0	
	5			1	6	2	18	2	20	1	1	

Statistics: CAPE BRETON CHANNEL



Vertical Structure (Monthly Means): CAPE BRETON CHANNEL

Temperature (deg C)



Salinity

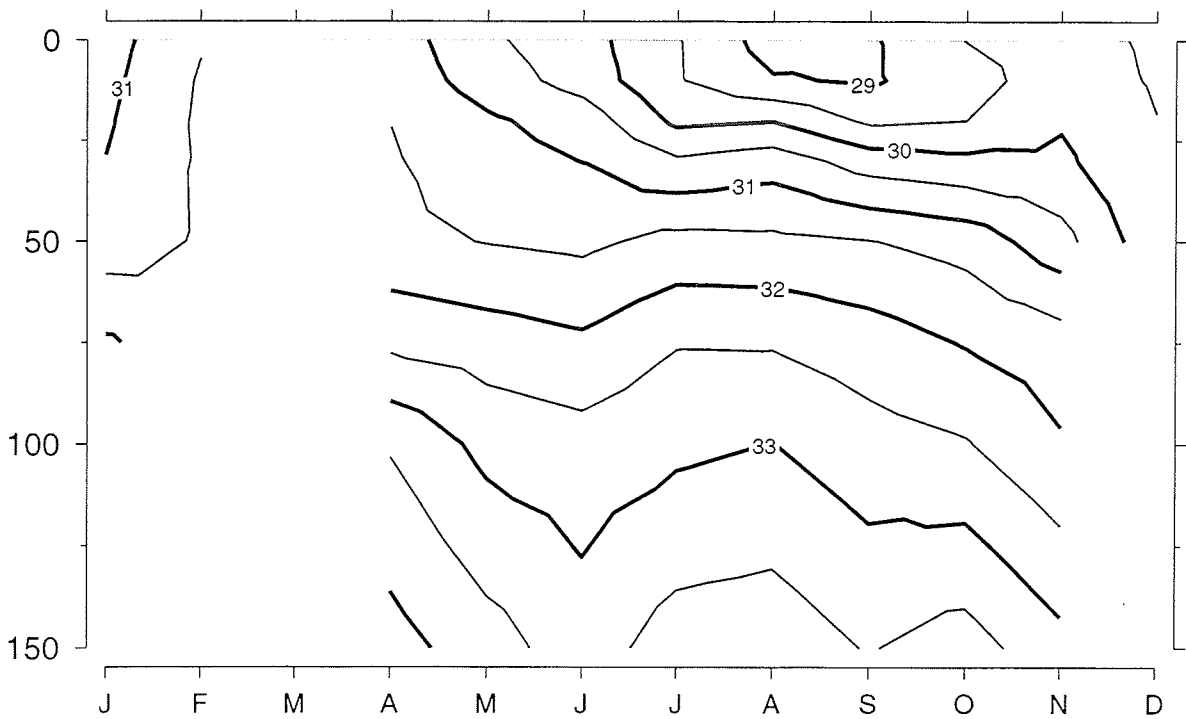


Table 17: TEMPERATURE AT SUBAREA 17 E NORTHUMBERLAND STRAIT

MEAN, S.D., NO. OF OBSERVATIONS

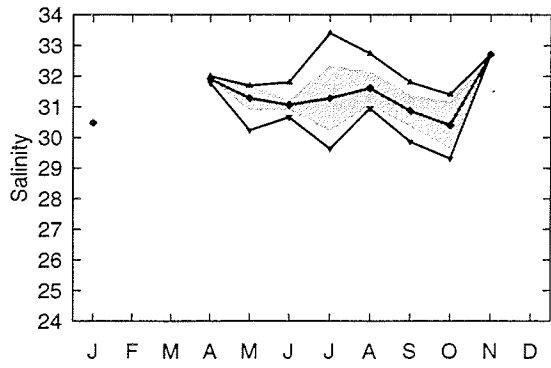
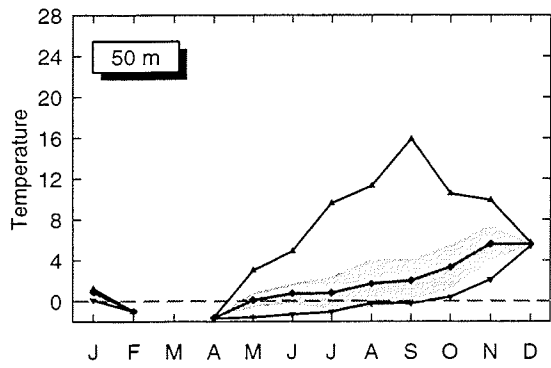
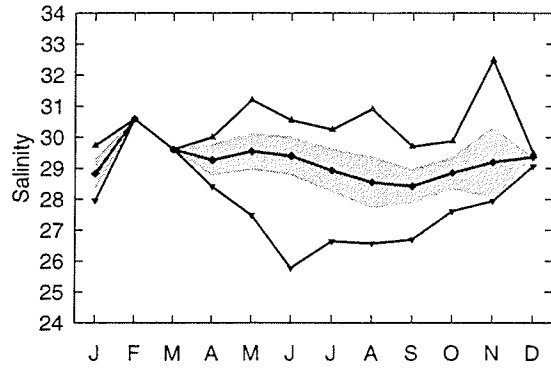
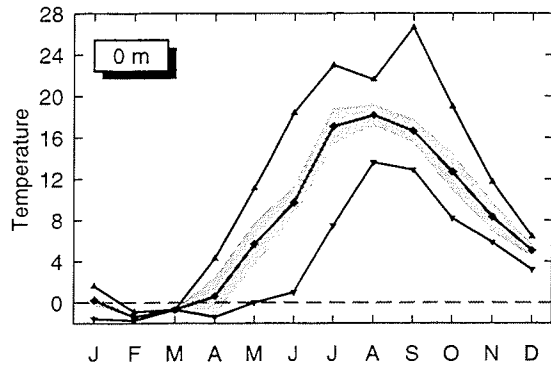
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	0.21	-1.39	-0.70	0.62	5.68	9.70	17.08	18.17	16.65	12.69	8.31	5.06
	0.52	-99.0	-99.0	1.89	2.12	1.56	1.76	1.05	1.14	1.83	1.46	0.60
	79	4	1	18	517	1612	1211	992	1148	188	131	91
10	0.26	-1.30	-0.82	-0.12	3.96	8.10	14.43	17.25	16.06	12.71	8.11	5.06
	0.56	-99.0	-99.0	1.10	1.67	1.69	2.38	1.32	1.21	1.83	1.82	0.54
	101	2	1	25	843	3339	3927	3258	2042	154	83	63
20	0.46	-1.54	-0.84	-0.72	2.57	5.44	10.06	12.96	13.94	12.28	7.95	5.07
	0.62	-99.0	-99.0	0.70	1.49	1.41	2.77	2.19	1.96	1.83	1.61	0.40
	134	1	1	28	769	3149	4972	4734	2887	221	115	87
30	0.85	-1.15		-0.82	1.51	2.89	5.81	7.35	10.20	10.54	7.56	5.38
	0.44	-99.0		0.58	1.38	1.75	2.64	2.81	2.91	2.61	1.39	0.44
	118	3		14	338	1638	2420	3364	2673	344	133	45
50	0.90	-1.00		-1.66	0.09	0.74	0.80	1.71	2.01	3.33	5.59	5.58
	0.34	-99.0		-99.0	0.71	0.98	1.62	2.33	2.09	2.13	1.83	-99.0
	10	1		3	70	113	66	71	263	51	51	6

Table 17: SALINITY AT SUBAREA 17 E NORTHUMBERLAND STRAIT

MEAN, S.D., NO. OF OBSERVATIONS

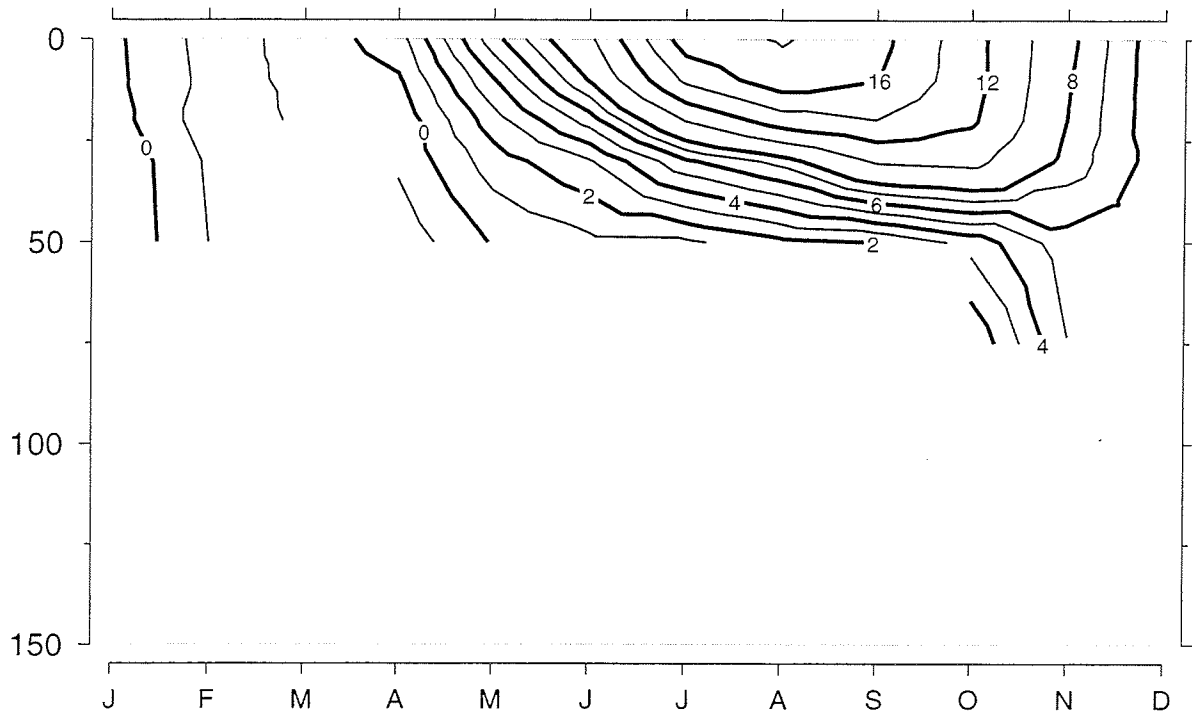
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	28.82	30.59	29.61	29.27	29.55	29.40	28.93	28.55	28.42	28.85	29.20	29.37
	0.50	-99.0	-99.0	0.51	0.60	0.62	0.70	0.84	0.56	0.53	1.15	-99.0
	51	1	1	10	114	262	179	205	283	48	49	11
10	28.90		29.56	29.73	29.77	29.40	29.05	28.92	28.36	28.80	29.27	29.44
	0.50		-99.0	0.41	0.82	0.63	0.80	0.61	0.40	0.53	1.14	-99.0
	64		1	18	79	94	261	243	500	52	47	5
20	28.96	29.94	29.56	30.04	29.94	30.02	29.49	29.35	28.67	28.90	29.26	29.41
	0.48	-99.0	-99.0	0.23	0.85	0.56	0.69	0.52	0.33	0.49	1.20	-99.0
	104	1	1	24	68	90	309	236	477	55	57	3
30	29.25			30.73	30.37	30.39	29.85	30.10	29.26	29.11	29.39	29.31
	0.34			0.15	0.75	0.40	0.65	0.49	0.47	0.52	1.23	-99.0
	90			13	38	70	208	134	371	40	61	5
50	30.48			31.91	31.28	31.06	31.28	31.61	30.87	30.40	32.71	
	-99.0			-99.0	0.41	0.16	1.06	0.55	0.52	0.77	-99.0	
	1			3	13	17	8	9	43	6	1	

Statistics: E NORTHUMBERLAND STRAIT



Vertical Structure (Monthly Means): E NORTHUMBERLAND STRAIT

Temperature (deg C)



Salinity

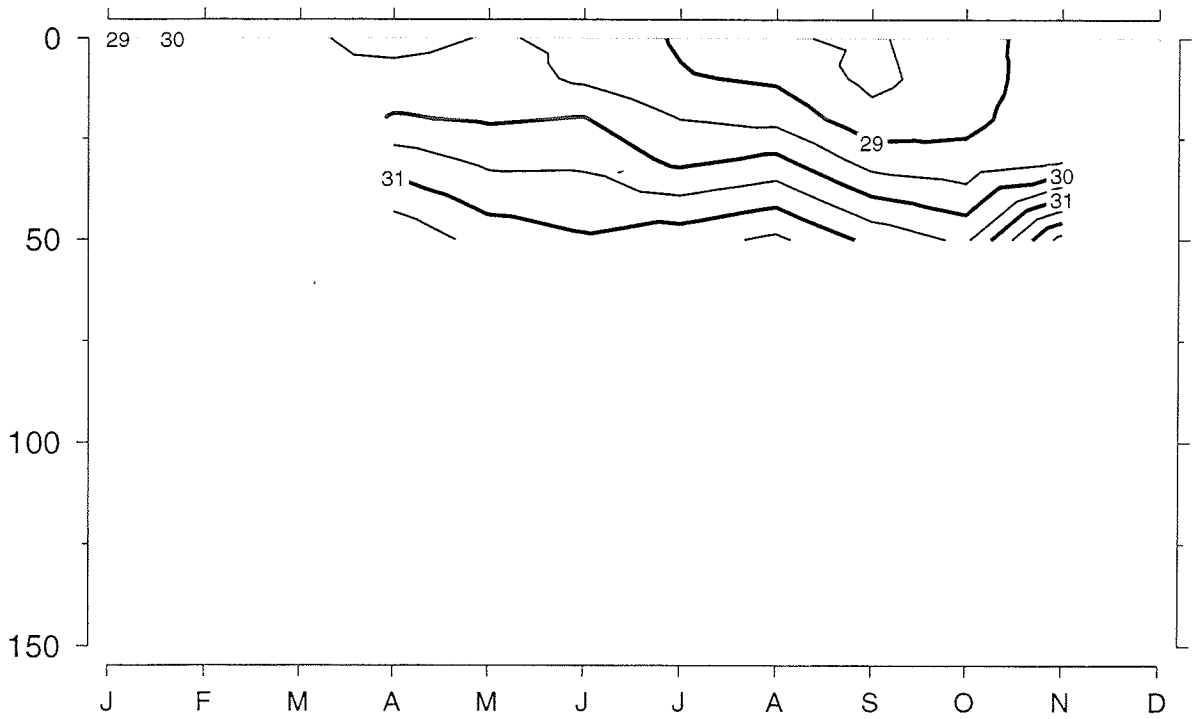


Table 18: TEMPERATURE AT SUBAREA 18 BAIE DES CHALEURS

MEAN, S.D., NO. OF OBSERVATIONS

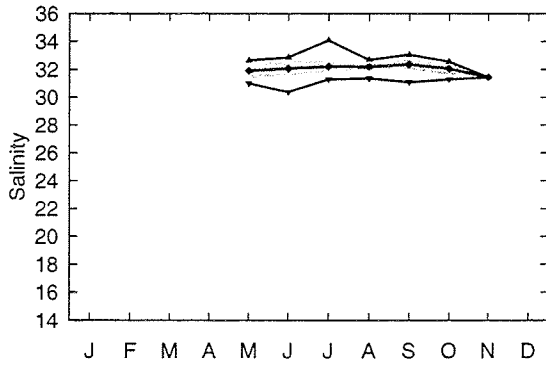
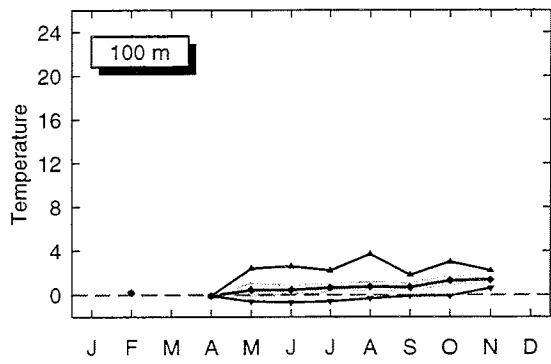
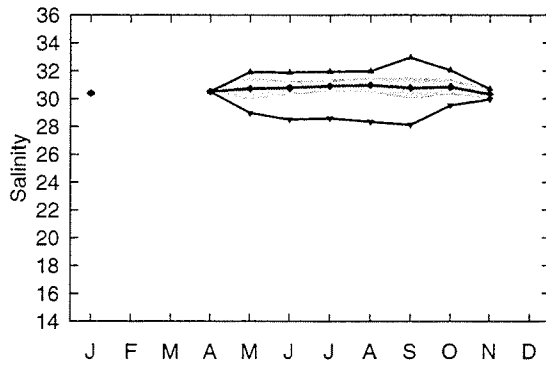
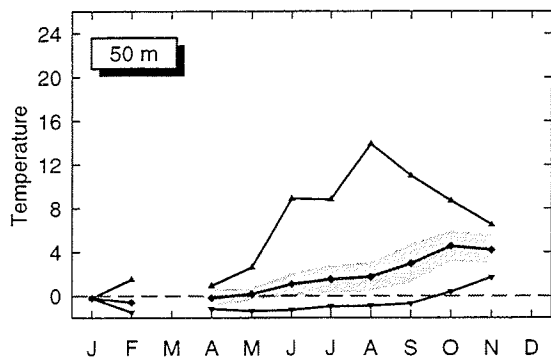
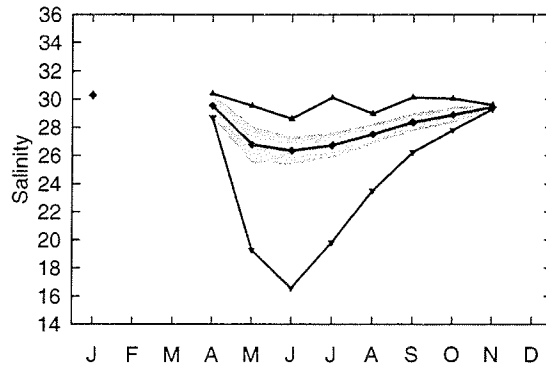
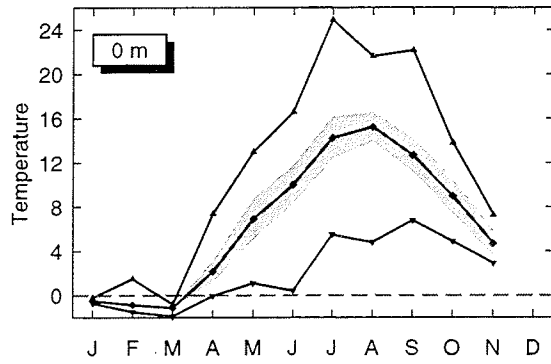
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	-0.50	-0.87	-1.13	2.15	6.92	10.02	14.24	15.25	12.70	8.97	4.69	
	-99.0	-99.0	-99.0	0.98	1.82	1.77	1.91	1.35	1.49	1.54	1.15	
	3	15	4	50	666	1165	1534	1088	1167	347	26	
10	-0.46	0.15		1.10	4.92	7.98	11.30	13.00	11.66	8.51	4.91	
	-99.0	-99.0		0.47	1.44	1.53	1.68	1.31	1.60	1.24	1.09	
	3	6		86	889	2076	3442	2474	1942	354	14	
20	-0.31	1.60	-1.35	0.66	2.95	5.17	7.60	9.12	9.47	7.60	4.65	
	-99.0	-99.0	-99.0	0.68	1.19	1.19	1.79	1.38	1.76	1.15	1.07	
	2	3	2	86	582	1456	2752	2736	2477	457	16	
30	-0.10	-0.26	-1.80	0.32	1.59	2.99	4.71	5.56	6.77	6.74	4.55	
	-99.0	-99.0	-99.0	1.11	0.97	1.29	1.82	1.86	2.00	1.57	0.89	
	2	8	1	76	400	1115	2115	2212	2376	377	20	
50	-0.19	-0.59		-0.19	0.17	1.07	1.51	1.74	2.95	4.54	4.20	
	-99.0	-99.0		0.82	0.54	1.01	1.27	1.32	1.78	1.39	1.35	
	1	10		44	187	479	741	554	1199	317	20	
75	1.64	0.24		-0.78	0.08	0.09	0.72	0.72	0.82	1.50	2.48	
	-99.0	-99.0		0.15	0.65	0.33	1.18	0.72	0.50	0.67	0.86	
	1	11		32	84	172	233	206	369	133	44	
100		0.20		-0.10	0.44	0.44	0.62	0.73	0.68	1.28	1.37	
		-99.0		-99.0	0.72	0.46	0.46	0.52	0.44	0.48	0.41	
		1		1	49	126	153	134	252	76	27	
150					0.67		0.47					
					-99.0		-99.0					
					2		3					

Table 18: SALINITY AT SUBAREA 18 BAIE DES CHALEURS

MEAN, S.D., NO. OF OBSERVATIONS

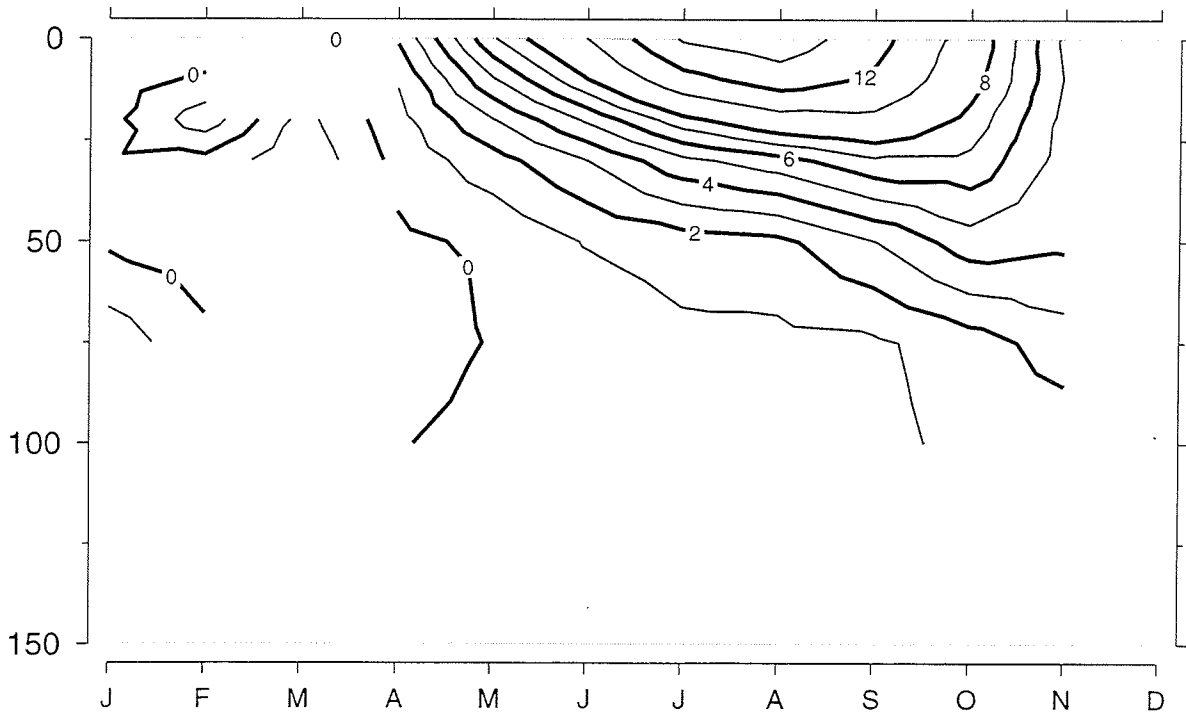
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	30.27			29.56	26.79	26.36	26.74	27.52	28.37	28.89	29.45	
	-99.0			0.85	1.30	0.99	0.89	0.74	0.62	0.56	0.16	
	3			2	110	232	237	268	291	137	2	
10	30.30			29.67	28.13	27.18	27.43	27.68	28.37	29.22	29.53	
	-99.0			-99.0	1.16	0.61	0.81	0.66	0.61	0.40	0.17	
	3			1	93	239	260	216	314	148	2	
20	30.35			29.90	29.21	28.41	28.45	28.62	28.94	29.35	29.56	
	-99.0			-99.0	0.98	0.43	0.68	0.53	0.88	0.40	0.16	
	2			1	89	201	234	198	324	108	2	
30	30.38			30.06	29.96	29.43	29.42	29.65	29.55	29.77	29.58	
	-99.0			-99.0	0.56	0.53	0.47	0.54	0.81	0.47	0.16	
	2			1	62	167	186	166	331	69	2	
50	30.39			30.52	30.73	30.79	30.92	30.98	30.78	30.85	30.34	
	-99.0			-99.0	0.83	0.51	0.45	0.55	0.78	0.56	0.38	
	1			1	32	87	90	99	220	30	2	
75	30.97			31.97	31.64	31.59	31.76	31.87	31.89	31.82	30.57	
	-99.0			-99.0	0.56	0.50	0.33	0.24	0.35	0.56	-99.0	
	1			1	21	45	63	73	98	14	1	
100					31.90	32.07	32.21	32.19	32.36	32.06	31.44	
					0.46	0.51	0.39	0.23	0.34	0.42	-99.0	
					9	25	35	44	56	10	1	
150					32.80							
					-99.0							
					2							

Statistics: BAIE DES CHALEURS



Vertical Structure (Monthly Means): BAIE DES CHALEURS

Temperature (deg C)



Salinity

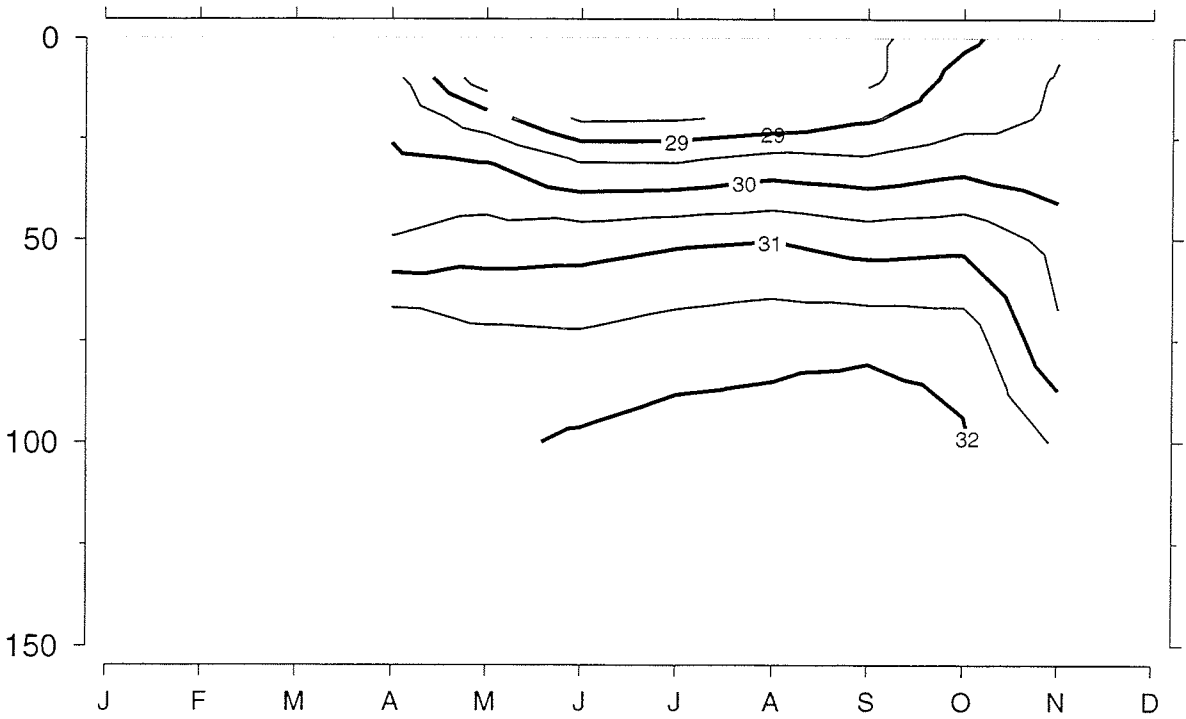
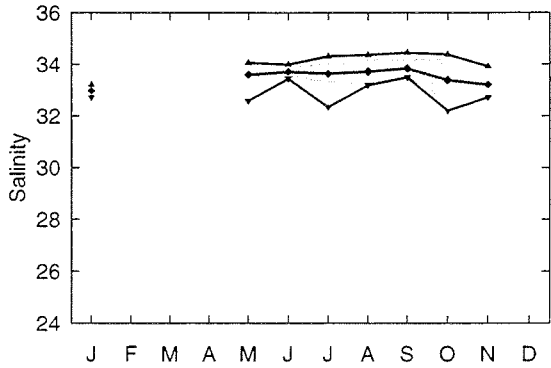
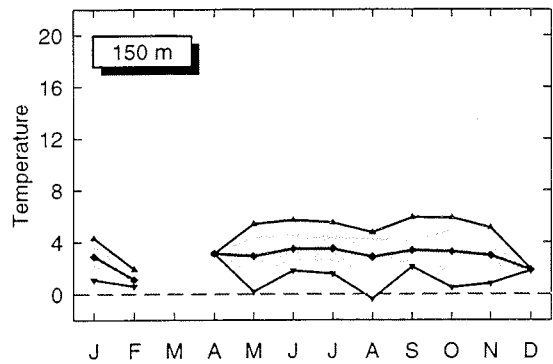
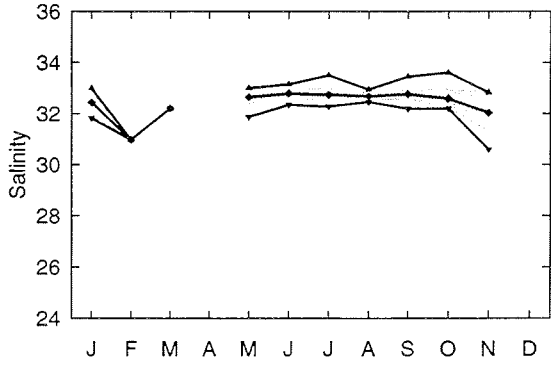
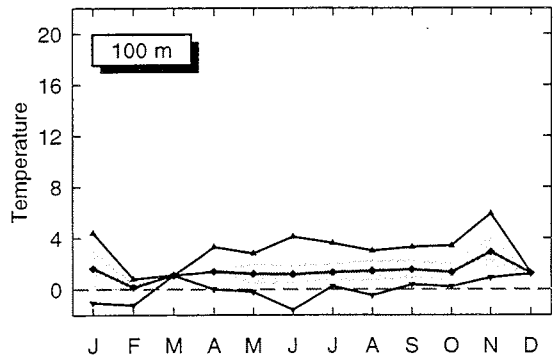
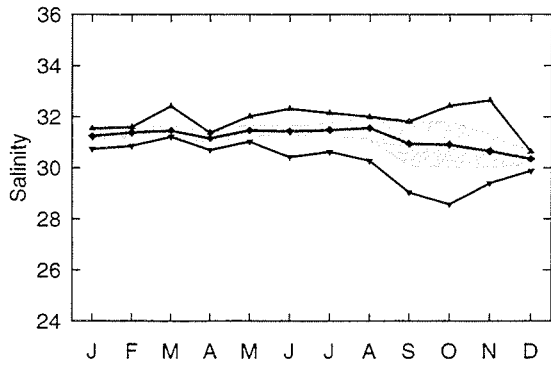
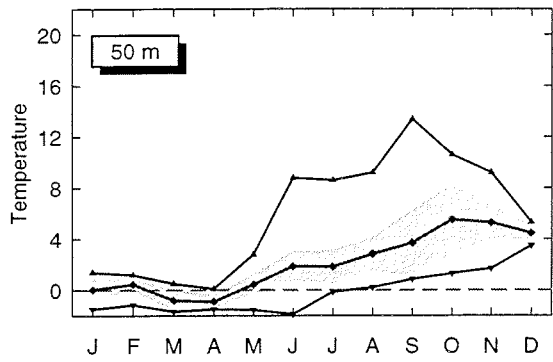
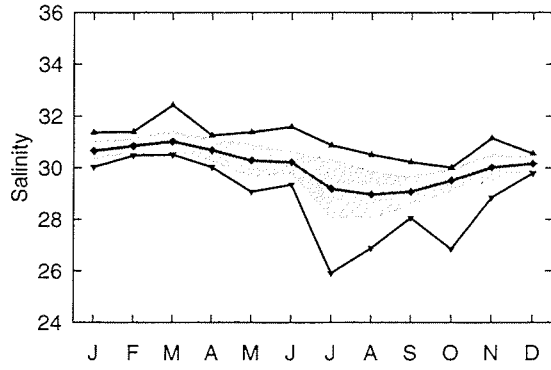
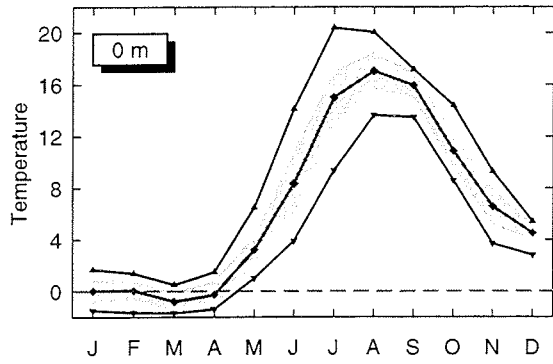


Table 66: TEMPERATURE AT SUBAREA 66 CABOT STRAIT WEST

MEAN, S.D., NO. OF OBSERVATIONS

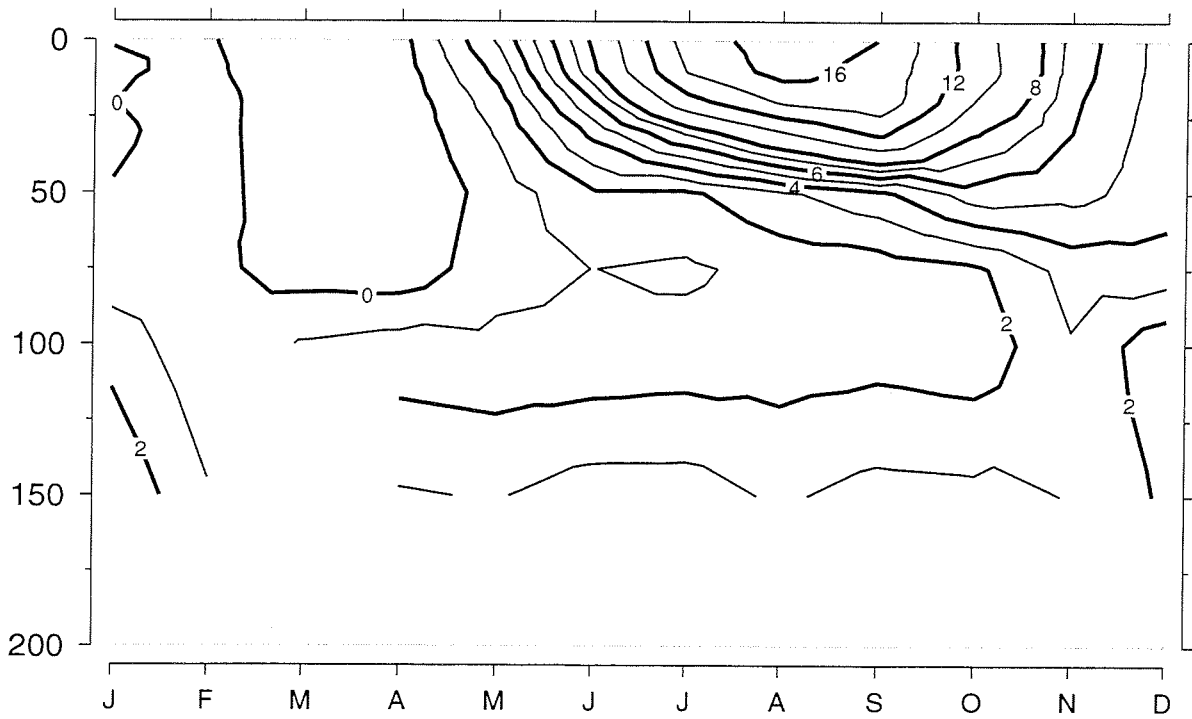
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	0.03	0.07	-0.80	-0.27	3.20	8.35	15.01	17.06	15.96	10.89	6.57	4.50
	0.90	0.74	0.73	1.07	1.02	2.43	2.06	1.45	0.97	1.30	1.42	0.62
	37	21	19	12	73	192	97	55	36	91	113	12
10	-0.11	0.20	-0.86	-0.44	2.35	7.83	14.14	16.77	15.31	11.10	6.44	4.50
	0.96	0.78	0.81	0.86	1.23	2.27	2.17	1.32	1.16	1.51	1.49	0.55
	28	21	30	13	93	264	162	70	38	117	99	24
20	-0.01	0.42	-0.84	-0.67	1.61	6.03	11.24	14.21	15.21	9.82	6.16	4.46
	0.96	0.71	0.83	0.71	1.17	1.99	2.51	2.84	1.55	1.70	1.43	0.56
	28	14	30	12	95	372	308	159	59	194	111	24
30	-0.16	0.41	-0.84	-0.76	1.14	4.36	7.20	9.88	12.44	8.09	6.00	4.37
	0.89	0.69	0.83	0.65	1.05	1.38	2.64	3.74	2.59	2.33	1.46	0.61
	38	12	25	9	92	413	290	257	122	371	118	24
50	0.05	0.46	-0.81	-0.91	0.44	1.87	1.83	2.82	3.70	5.52	5.29	4.45
	0.81	0.50	0.79	0.53	0.79	1.18	1.32	1.31	2.56	2.70	1.30	0.59
	37	12	18	12	63	240	132	111	79	632	144	19
75	0.29	0.27	-0.50	-0.69	0.65	1.01	0.84	1.32	1.39	1.79	3.40	3.54
	0.78	0.46	0.88	0.32	0.66	0.56	0.61	0.91	0.57	1.09	1.72	0.85
	35	11	24	9	45	118	67	27	32	97	127	28
100	1.64	0.16	1.08	1.38	1.21	1.17	1.32	1.43	1.55	1.32	2.91	1.25
	1.47	0.26	-99.0	-99.0	0.84	0.74	0.70	0.87	0.71	0.77	1.24	-99.0
	26	7	1	5	52	146	104	33	39	89	63	2
150	2.90	1.11		3.10	2.92	3.49	3.49	2.85	3.36	3.27	2.97	1.85
	0.87	0.39		-99.0	1.52	1.08	0.98	1.46	0.83	1.68	0.74	-99.0
	29	7		1	41	97	53	19	26	35	36	2
200	4.00					5.74			3.20		5.05	
	-99.0					0.71			-99.0		-99.0	
	1					9			5		2	

Statistics: CABOT STRAIT WEST



Vertical Structure (Monthly Means): CABOT STRAIT WEST

Temperature (deg C)



Salinity

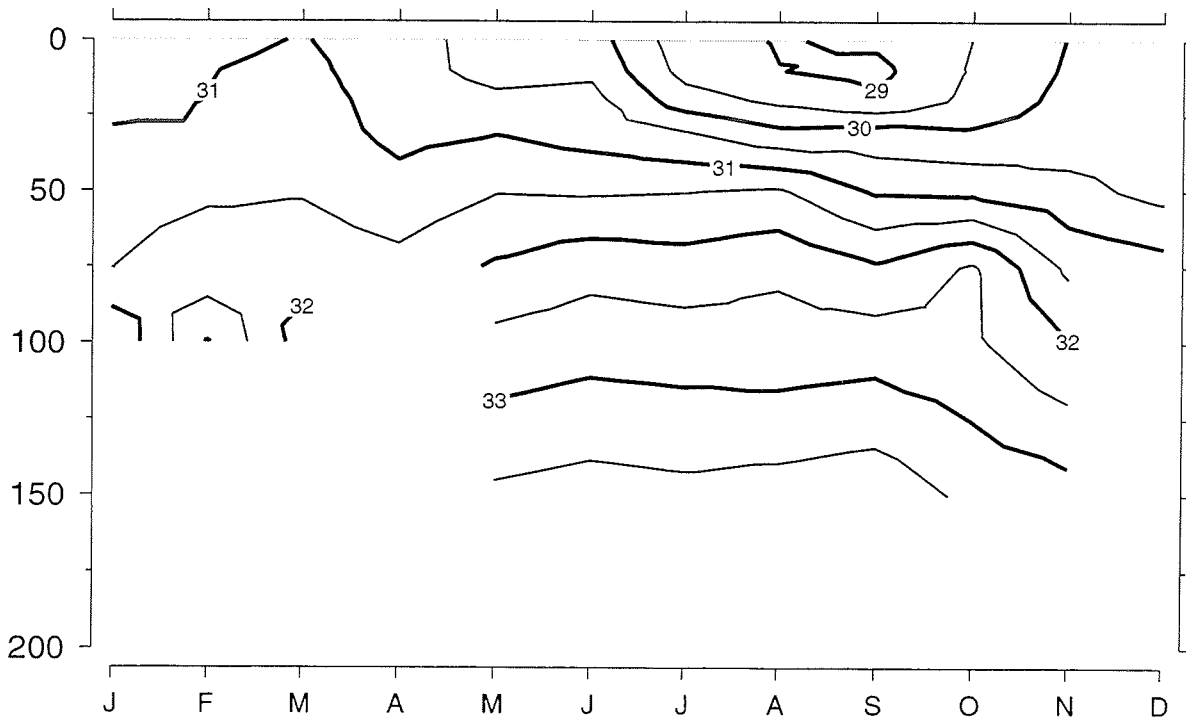


Table 67: TEMPERATURE AT SUBAREA 67 CABOT STRAIT CENTRAL

MEAN, S.D., NO. OF OBSERVATIONS

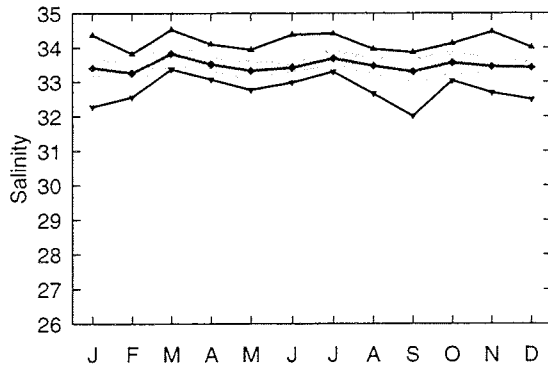
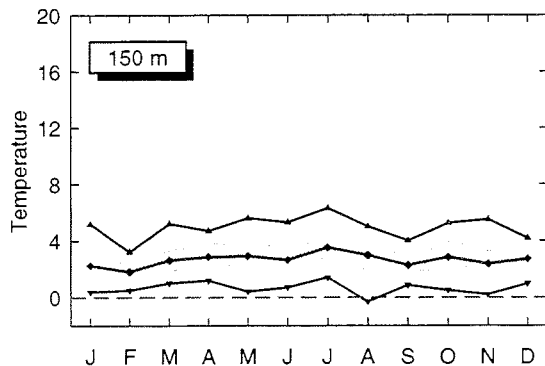
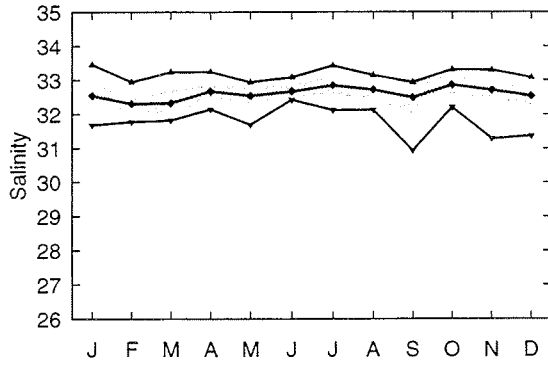
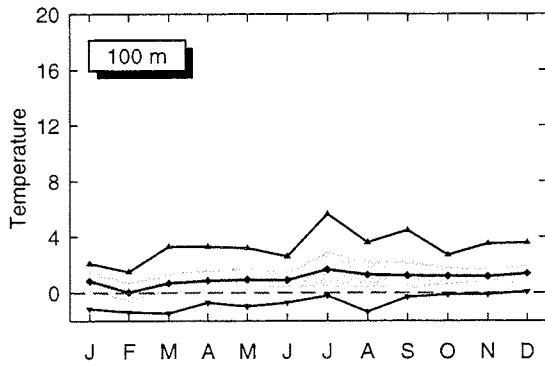
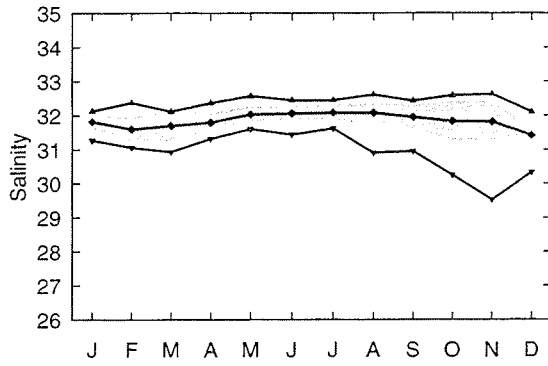
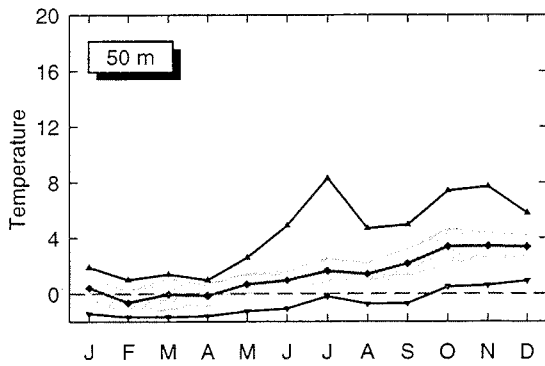
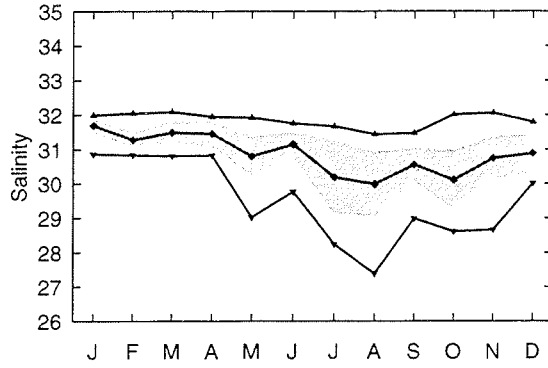
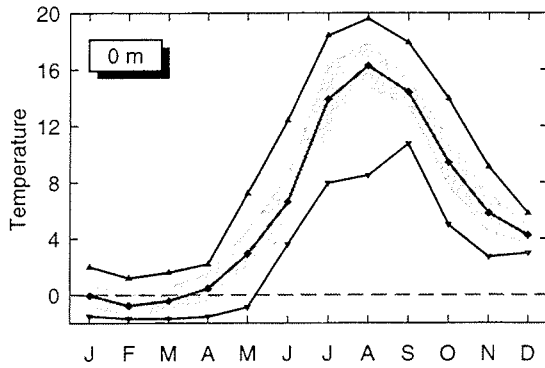
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	-0.03	-0.77	-0.42	0.46	2.93	6.61	13.89	16.26	14.40	9.43	5.82	4.24
	0.88	0.76	1.04	1.12	1.68	1.88	2.56	1.65	0.96	1.73	1.40	0.72
	106	32	42	39	98	278	211	169	60	78	285	13
10	-0.21	-0.73	-0.13	0.19	2.45	5.78	12.40	14.14	13.71	8.93	5.71	4.29
	0.82	0.81	1.16	1.05	1.29	1.95	2.30	2.29	1.06	1.46	1.48	0.81
	72	32	45	47	119	372	366	277	63	97	312	18
20	-0.13	-0.62	-0.02	0.14	1.68	3.99	8.51	8.73	10.95	8.27	5.59	4.04
	0.82	0.90	1.21	0.97	1.14	2.04	3.33	2.82	2.26	1.43	1.50	0.67
	57	23	43	44	111	499	544	629	224	105	318	24
30	0.08	-0.64	-0.11	0.10	1.24	2.59	5.78	4.42	8.36	7.41	5.27	3.88
	0.76	0.88	1.15	0.97	0.94	1.65	3.34	2.89	4.36	1.86	1.41	0.71
	65	24	41	39	116	503	570	551	213	138	353	35
50	0.43	-0.64	-0.04	-0.14	0.68	0.96	1.64	1.40	2.17	3.40	3.43	3.37
	0.80	0.87	1.19	0.87	0.82	0.71	0.95	0.89	1.07	1.33	1.01	0.87
	85	29	30	43	107	311	287	174	60	134	423	45
75	0.74	-0.31	0.01	0.37	0.62	0.68	0.98	1.00	1.63	1.77	1.85	1.63
	0.78	0.95	1.04	0.92	0.72	0.39	0.61	0.83	1.63	0.82	1.00	0.80
	79	24	40	41	95	247	211	137	48	63	293	38
100	0.85	0.03	0.69	0.86	0.93	0.90	1.67	1.28	1.23	1.21	1.16	1.38
	0.71	0.73	0.67	0.78	0.82	0.54	1.27	0.98	1.00	0.63	0.54	0.64
	130	37	57	65	152	392	348	221	77	126	368	76
150	2.25	1.81	2.62	2.85	2.92	2.64	3.52	2.97	2.26	2.85	2.35	2.72
	0.81	0.53	0.79	0.95	1.09	0.72	0.84	1.19	0.53	1.12	0.99	0.45
	130	44	49	65	141	397	349	218	65	101	324	77
200	3.92	4.11	4.70	4.65	4.32	4.74	5.18	4.38	4.01	4.83	4.32	4.98
	0.77	0.86	0.39	0.69	1.45	0.71	0.49	1.42	0.96	0.74	0.81	0.34
	107	38	38	57	127	228	321	189	53	31	274	69
250	5.04	5.01	5.54	5.20	5.13	5.43	5.51	4.65	5.30	5.66	5.14	5.50
	0.44	0.32	0.63	0.39	0.70	0.58	0.31	0.81	0.82	0.61	0.53	0.45
	65	20	29	40	56	132	255	107	30	20	176	53
300	5.05	4.95	4.90	5.03	4.88	4.98	5.15	4.85	4.50	5.06	5.15	5.50
	0.33	0.18	0.21	0.19	0.71	0.41	0.30	0.65	1.26	0.23	0.61	0.22
	87	3	11	34	47	35	29	30	11	7	88	89
400	4.86	4.74	4.83	4.72	4.82	4.71	4.68	4.60	4.62	4.66	4.87	5.15
	0.23	0.08	0.03	0.16	0.72	0.29	0.11	0.35	0.42	0.07	0.42	0.11
	26	2	13	19	16	18	9	21	9	3	44	53
500					4.90			5.31				
					-99.0			-99.0				
					1			1				

Table 67: SALINITY AT SUBAREA 67 CABOT STRAIT CENTRAL

MEAN, S.D., NO. OF OBSERVATIONS

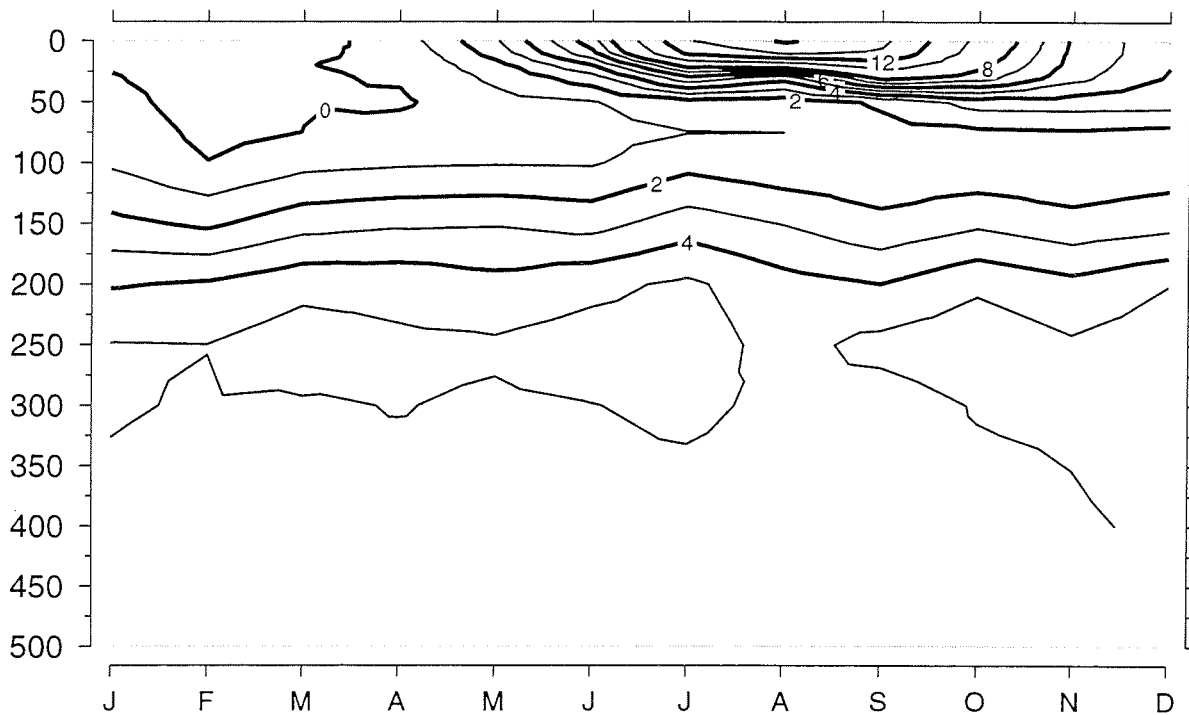
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	31.69	31.28	31.49	31.46	30.80	31.15	30.19	29.99	30.56	30.11	30.75	30.88
	0.21	0.20	0.32	0.36	0.57	0.35	1.06	0.93	0.49	0.86	0.62	0.56
	22	8	20	19	44	51	32	55	14	15	65	13
10	31.52	31.34	31.53	31.57	31.36	31.21	30.56	30.33	30.67	30.54	30.89	30.40
	0.21	0.10	0.35	0.32	0.50	0.31	0.74	0.83	0.40	0.72	0.55	0.57
	29	6	26	35	55	46	28	48	13	43	79	18
20	31.58	31.59	31.76	31.66	31.61	31.54	31.16	30.90	30.97	30.83	31.01	30.61
	0.17	0.36	0.24	0.25	0.33	0.25	0.39	0.64	0.51	0.60	0.58	0.40
	33	5	27	35	50	48	29	48	12	35	86	24
30	31.65	31.46	31.64	31.68	31.77	31.74	31.46	31.55	31.23	30.91	31.15	31.00
	0.17	0.13	0.38	0.24	0.26	0.20	0.37	0.38	0.91	0.75	0.50	0.21
	35	4	22	30	46	45	31	45	13	25	88	35
50	31.82	31.60	31.70	31.80	32.03	32.06	32.08	32.08	31.95	31.83	31.82	31.41
	0.19	0.36	0.43	0.28	0.24	0.18	0.25	0.27	0.36	0.58	0.58	0.26
	47	7	17	29	39	46	26	39	13	44	106	45
75	32.15	32.16	31.96	32.23	32.20	32.34	32.48	32.41	32.15	32.48	32.36	32.09
	0.35	0.11	0.34	0.18	0.34	0.10	0.18	0.25	0.81	0.30	0.35	0.21
	52	4	24	30	33	41	23	35	10	29	100	38
100	32.55	32.31	32.33	32.68	32.54	32.67	32.85	32.72	32.49	32.86	32.71	32.53
	0.40	0.14	0.37	0.19	0.25	0.16	0.27	0.26	0.48	0.29	0.24	0.27
	91	7	27	46	48	44	37	37	14	75	136	76
150	33.41	33.26	33.82	33.52	33.33	33.42	33.69	33.47	33.30	33.56	33.45	33.42
	0.27	0.29	0.38	0.21	0.30	0.14	0.28	0.27	0.39	0.33	0.27	0.17
	108	6	23	43	45	41	27	40	13	76	130	77
200	34.06	34.23	34.57	34.23	34.06	34.09	34.30	34.07	33.97	34.00	34.09	34.16
	0.26	0.02	0.38	0.21	0.13	0.18	0.20	0.25	0.50	0.41	0.23	0.15
	85	5	21	40	40	40	22	25	13	7	111	69
250	34.51	34.53	34.79	34.51	34.41	34.46	34.53	34.16	34.01	34.62	34.46	34.48
	0.16	0.13	0.41	0.15	0.12	0.18	0.09	0.42	0.91	0.11	0.16	0.15
	59	3	16	25	30	31	15	17	7	4	75	53
300	34.72	34.70	34.97	34.65	34.61	34.62	34.73	34.58	34.31	34.60	34.63	34.65
	0.19	0.19	0.50	0.09	0.06	0.09	0.09	0.17	0.66	0.15	0.13	0.07
	87	3	11	33	46	35	24	28	10	7	83	89
400	34.92	34.74	35.32	34.78	34.78	34.79	34.84	34.77	34.67	34.88	34.82	34.81
	0.29	0.07	0.55	0.05	0.03	0.06	0.10	0.10	0.25	0.07	0.11	0.05
	26	2	11	19	14	17	8	20	6	3	42	53
500					34.88			34.88				
					-99.0			-99.0				
					1			1				

Statistics: CABOT STRAIT CENTRAL



Vertical Structure (Monthly Means): CABOT STRAIT CENTRAL

Temperature (deg C)



Salinity

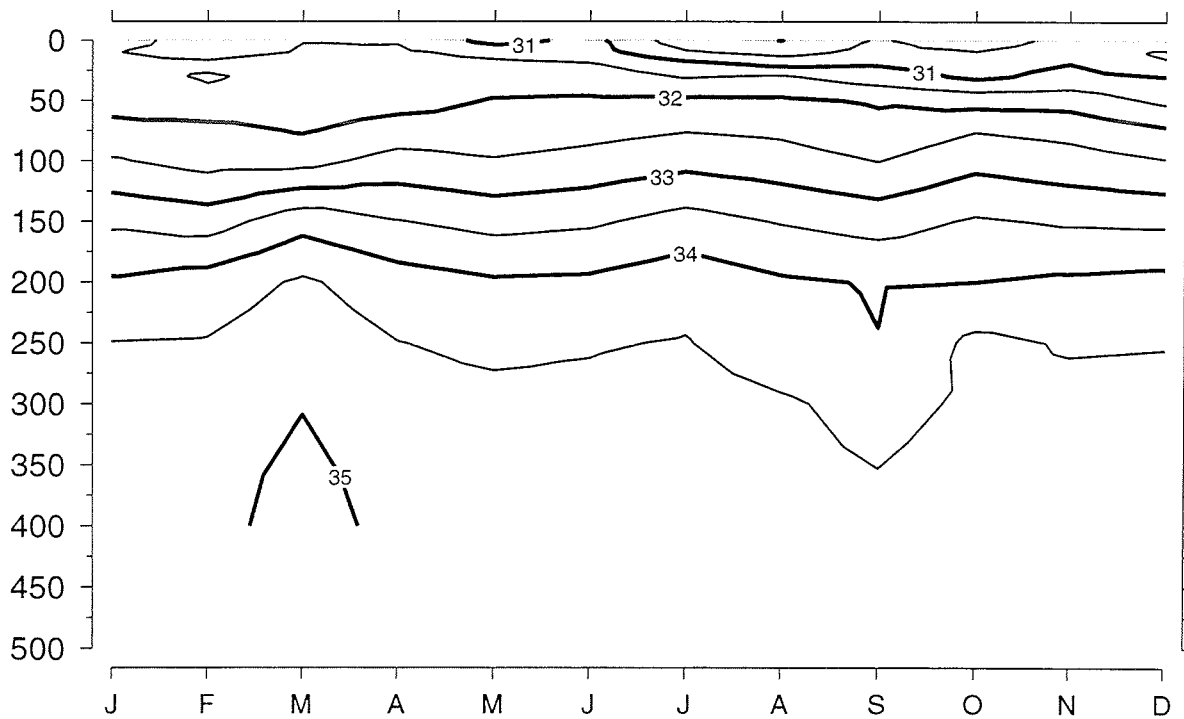


Table 68: TEMPERATURE AT SUBAREA 68 CABOT STRAIT EAST

MEAN, S.D., NO. OF OBSERVATIONS

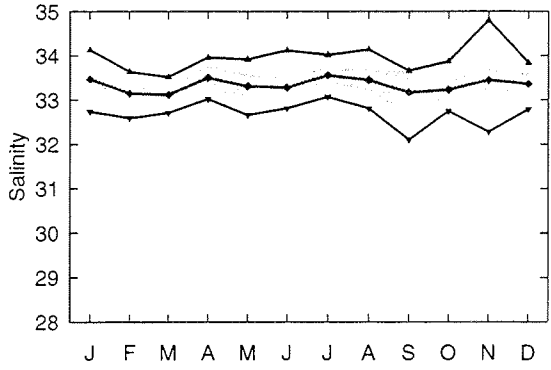
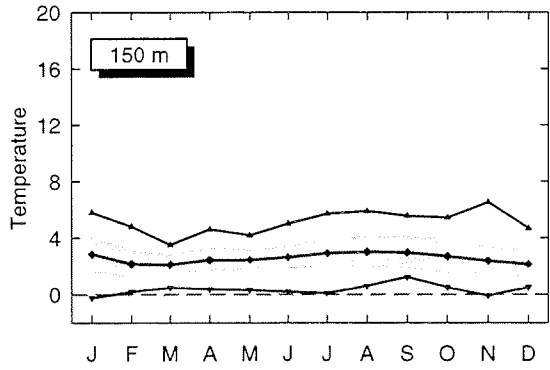
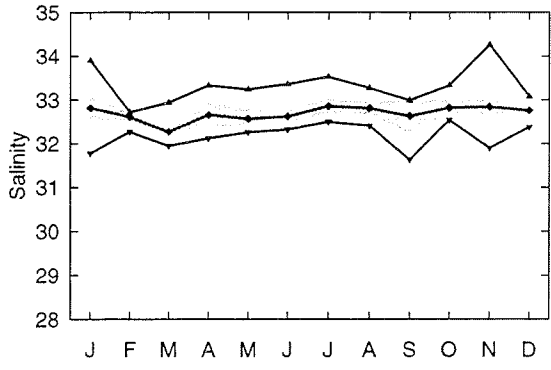
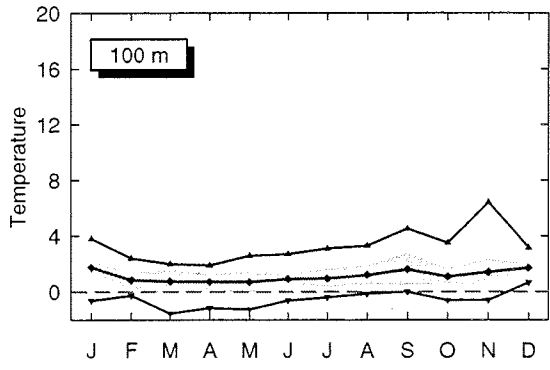
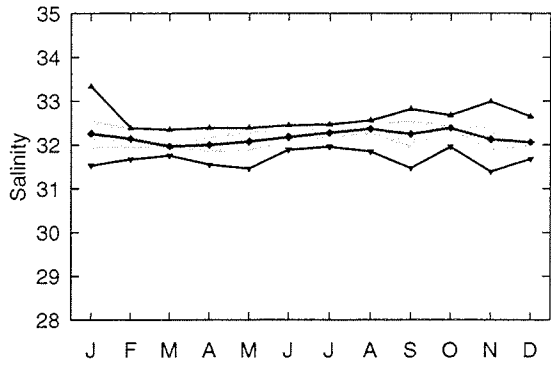
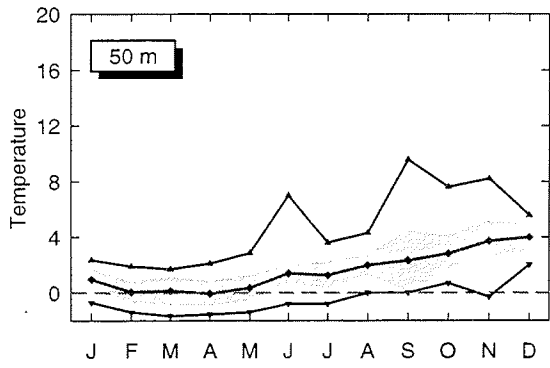
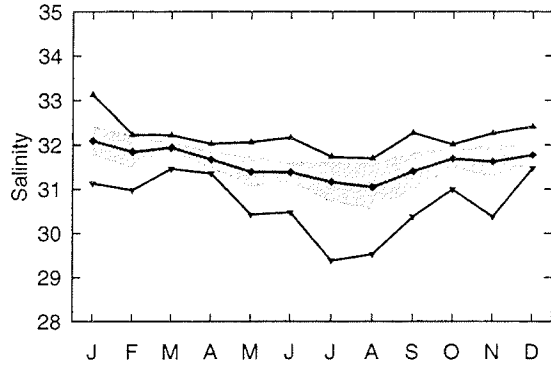
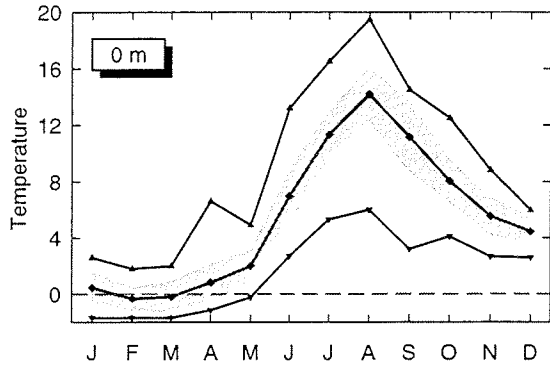
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	0.46	-0.33	-0.19	0.82	2.00	6.96	11.33	14.19	11.15	8.03	5.53	4.45
	1.11	0.82	1.12	1.33	1.10	1.92	1.65	1.94	2.50	1.52	1.36	0.97
	90	62	67	40	99	296	138	129	75	93	178	13
10	0.70	0.01	-0.24	0.30	1.95	5.79	9.43	12.14	9.45	7.78	5.43	4.77
	0.97	0.84	1.14	1.21	0.99	1.71	1.66	2.79	2.71	1.55	1.49	0.84
	106	53	124	54	176	433	347	336	175	81	164	19
20	0.79	0.07	0.24	0.25	1.40	4.56	5.13	7.74	7.07	7.17	5.26	4.78
	0.84	0.77	1.09	1.21	0.82	1.83	2.29	2.39	3.02	1.77	1.62	0.78
	111	57	118	60	177	493	466	408	249	140	186	17
30	0.67	0.11	0.34	-0.06	0.92	3.53	3.34	4.28	4.45	5.68	5.08	4.25
	0.97	0.72	1.04	1.03	0.89	1.49	2.24	1.91	2.51	1.72	1.54	1.11
	109	53	87	52	155	512	256	258	174	178	212	30
50	0.97	0.05	0.14	-0.06	0.35	1.40	1.26	1.99	2.31	2.82	3.71	4.00
	0.78	0.74	1.05	0.92	0.94	0.64	0.97	0.74	2.17	1.32	1.47	0.94
	107	63	64	50	126	289	144	119	62	158	328	44
75	1.55	0.46	0.21	0.34	0.38	0.85	0.83	1.31	1.39	1.46	2.07	2.66
	0.48	0.57	1.06	0.77	0.83	0.32	0.71	0.61	0.51	0.84	1.27	0.96
	110	57	70	44	108	221	118	111	46	55	242	42
100	1.77	0.84	0.75	0.72	0.70	0.92	0.96	1.20	1.61	1.09	1.42	1.71
	0.40	0.58	0.82	0.58	0.76	0.32	0.69	0.68	1.16	0.55	0.93	0.30
	195	87	95	67	156	344	187	159	72	96	310	69
150	2.86	2.15	2.10	2.43	2.44	2.63	2.91	3.01	2.95	2.69	2.36	2.13
	1.33	1.03	0.72	0.91	0.73	0.81	0.99	1.13	1.17	1.26	1.02	0.97
	200	106	91	71	158	325	192	160	59	60	317	74
200	4.74	4.72	4.56	4.79	4.36	4.62	4.87	4.84	4.86	4.67	4.64	4.95
	1.27	0.75	1.14	0.88	1.40	0.86	0.94	0.79	1.49	0.83	0.85	1.01
	177	82	82	79	156	307	175	141	49	60	260	75
250	5.81	5.56	5.60	5.60	5.30	5.46	5.29	5.31	5.68	5.72	5.53	6.02
	0.57	0.68	0.42	0.69	0.50	0.53	0.29	0.62	0.95	0.53	0.58	0.25
	92	45	49	27	75	211	153	90	26	40	154	25
300	5.61	5.59	5.45	5.31	4.96	5.18	4.87	5.05	5.31	5.04	5.22	5.82
	0.47	0.40	0.44	0.31	0.68	0.50	0.35	0.61	0.86	0.35	0.64	0.31
	90	14	32	25	124	25	32	30	21	3	80	67
400	5.05	4.96	4.96	4.82	4.65	4.67	4.55	4.66	4.75	4.61	4.77	5.18
	0.29	0.26	0.26	0.18	0.27	0.27	0.21	0.28	0.47	0.14	0.36	0.12
	33	8	29	19	48	21	10	23	12	2	38	57
500	4.82				3.98			4.66	4.22	4.72		
	0.09				-99.0			0.44	-99.0	-99.0		
	2				1			5	1	1		

Table 68: SALINITY AT SUBAREA 68 CABOT STRAIT EAST

MEAN, S.D., NO. OF OBSERVATIONS

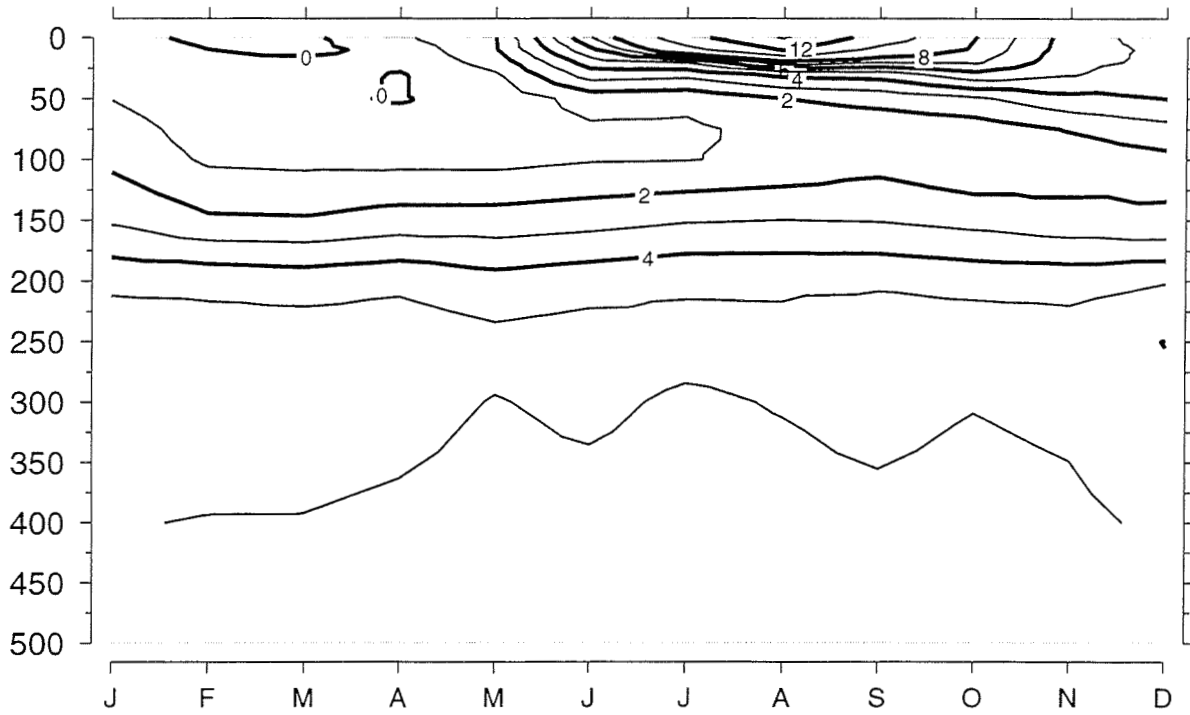
DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	32.09	31.84	31.94	31.67	31.39	31.38	31.16	31.04	31.40	31.69	31.62	31.77
	0.33	0.37	0.11	0.19	0.35	0.23	0.46	0.53	0.44	0.22	0.36	0.22
	27	7	54	19	34	41	28	41	18	9	64	10
10	32.20	31.83	31.87	31.70	31.46	31.49	31.30	31.25	31.64	31.74	31.67	31.71
	0.45	0.47	0.02	0.16	0.33	0.21	0.48	0.60	0.38	0.20	0.36	0.20
	44	5	104	35	120	40	31	44	15	10	64	16
20	32.20	31.94	31.91	31.72	31.62	31.69	31.76	31.81	32.00	31.94	31.75	31.76
	0.39	0.36	0.04	0.19	0.29	0.23	0.24	0.41	0.23	0.20	0.31	0.19
	53	6	101	39	116	46	31	39	18	13	82	14
30	32.13	32.06	31.90	31.78	31.78	31.91	31.95	32.04	32.07	32.17	31.87	31.99
	0.28	0.33	0.03	0.20	0.28	0.19	0.23	0.24	0.35	0.23	0.24	0.27
	53	5	74	32	96	41	26	36	18	9	94	26
50	32.26	32.14	31.97	32.00	32.08	32.18	32.28	32.37	32.25	32.39	32.13	32.06
	0.34	0.24	0.04	0.18	0.24	0.11	0.14	0.13	0.32	0.06	0.28	0.09
	46	5	52	29	72	41	23	32	16	9	93	40
75	32.54	32.19	32.09	32.28	32.35	32.41	32.48	32.56	32.62	32.62	32.56	32.52
	0.33	0.27	0.03	0.17	0.14	0.09	0.13	0.13	0.13	0.02	0.22	0.11
	57	3	56	26	70	37	22	32	16	6	93	37
100	32.82	32.61	32.27	32.66	32.57	32.62	32.86	32.81	32.63	32.82	32.84	32.76
	0.27	0.08	0.04	0.27	0.20	0.13	0.17	0.14	0.38	0.15	0.16	0.10
	109	6	73	39	96	40	25	28	14	9	112	59
150	33.47	33.15	33.12	33.50	33.31	33.28	33.56	33.45	33.17	33.23	33.45	33.36
	0.13	0.11	0.19	0.27	0.27	0.22	0.17	0.25	0.47	0.20	0.25	0.23
	107	6	66	40	110	36	22	26	15	6	117	67
200	34.01	34.11	33.92	34.21	34.14	34.03	34.38	34.12	33.89	33.97	34.15	34.13
	0.14	0.03	0.27	0.21	0.26	0.21	0.15	0.15	0.63	0.27	0.23	0.25
	104	6	66	46	106	37	24	24	13	6	94	75
250	34.48	34.41	34.46	34.55	34.59	34.44	34.61	34.51	34.13	34.46	34.52	34.56
	0.10	0.08	0.14	0.20	0.05	0.22	0.13	0.06	0.73	0.12	0.18	0.06
	68	2	41	15	55	21	16	15	7	7	55	25
300	34.66	34.68	34.64	34.65	34.58	34.64	34.74	34.63	34.52	34.62	34.66	34.68
	0.04	0.04	0.03	0.11	0.12	0.09	0.11	0.17	0.28	0.05	0.14	0.04
	82	2	27	23	122	24	31	23	15	3	70	67
400	34.84	34.88	34.83	34.78	34.76	34.79	34.86	34.79	34.82	34.81	34.83	34.83
	0.07	0.05	0.01	0.15	0.09	0.07	0.12	0.09	0.08	0.02	0.13	0.03
	32	2	26	16	46	20	10	19	9	2	36	57
500	34.81							34.84	34.77	34.79		
	0.01							0.05	-99.0	-99.0		
	2							5	1	1		

Statistics: CABOT STRAIT EAST



Vertical Structure (Monthly Means): CABOT STRAIT EAST

Temperature (deg C)



Salinity

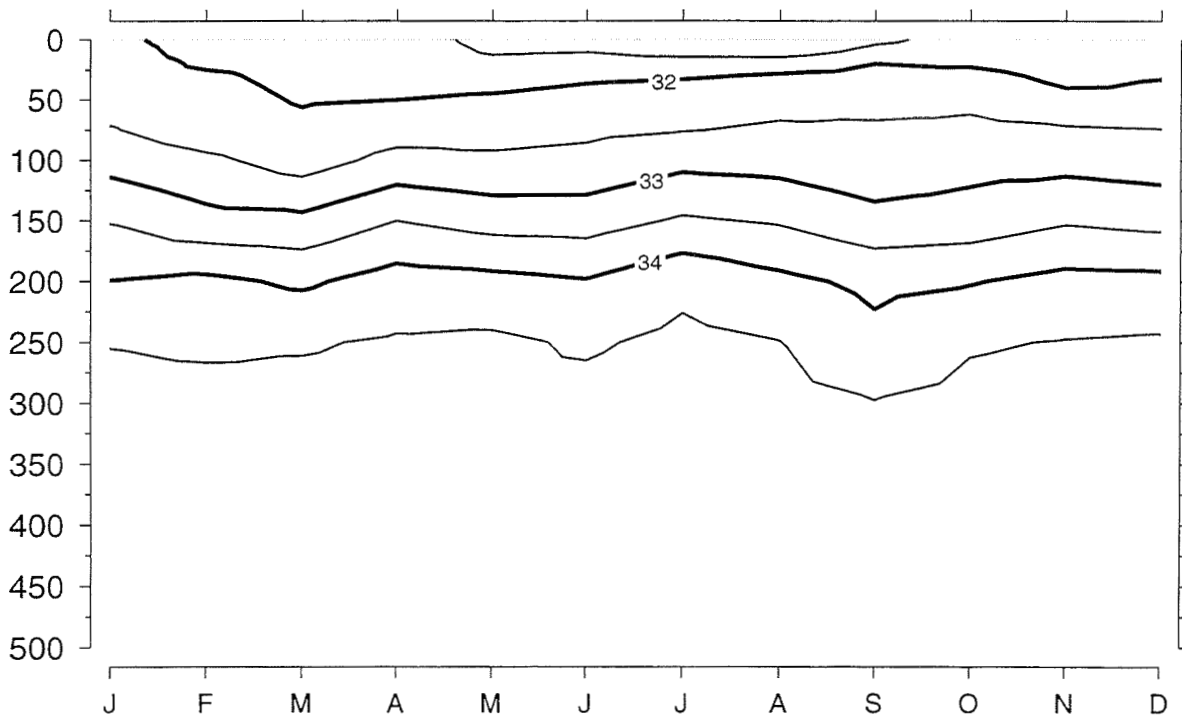


Table 1: SIGMA-T AT SUBAREA 1 NW CABOT STRAIT

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	25.41	25.68		25.24	24.86	24.12	22.99	22.02	22.31	23.04	24.46	
	0.33	0.02		0.18	0.28	0.45	0.59	0.54	0.75	0.83	0.58	
	31	13		16	117	68	33	93	124	9	27	
10	25.53			25.39	24.91	24.28	22.87	22.08	22.44	22.02	24.58	
	0.25			0.16	0.44	0.39	0.18	0.50	0.65	-99.00	0.21	
	18			16	31	14	50	31	190	1	28	
20	25.39			25.41	25.05	24.60	23.88	23.66	23.45	23.18	24.45	
	0.18			0.14	0.35	0.40	0.73	0.63	0.93	-99.00	0.42	
	11			18	33	15	92	44	254	1	33	
30	25.55			25.42	25.23	24.85	25.28	24.92	24.60	23.18	24.52	
	0.25			0.13	0.43	0.52	0.50	0.47	0.55	-99.00	0.44	
	17			13	33	13	86	46	254	1	44	
50	25.59			25.68	25.54	25.50	25.85	25.66	25.67	25.54	25.32	
	0.23			0.07	0.23	0.46	0.36	0.14	0.17	-99.00	0.45	
	23			20	36	14	62	39	227	1	65	
75	25.81	25.66		26.07	25.91	26.01	26.28	26.05	26.01		26.00	
	0.10	-99.00		0.15	0.13	0.27	0.33	0.15	0.13		0.18	
	33	1		20	33	12	37	30	174		37	
100	26.19	25.80		26.34	26.13	26.26	26.21	26.23	26.27	26.04	26.15	
	0.08	0.08		0.13	0.35	0.17	0.19	0.13	0.14	-99.00	0.19	
	73	2		37	42	11	68	45	287	1	88	
150	26.62			26.65	26.76	26.72	26.40	26.65	26.72	26.87	26.61	
	0.14			0.36	0.12	0.17	0.52	0.17	0.16	0.09	0.22	
	60			21	36	10	86	38	136	2	92	
200	27.02	26.64		27.08	27.09	26.89	27.18	26.97	26.96	26.97	26.91	
	0.10	-99.00		0.07	0.05	0.18	-99.00	0.13	0.13	-99.00	0.18	
	60	1		19	33	7	32	9	107	1	82	
250	27.24	27.15		27.28	27.26	27.33	27.38	27.31	27.19		27.15	
	0.07	-99.00		0.05	0.03	0.02	-99.00	0.06	0.07		0.13	
	40	1		12	25	4	14	4	63		52	
300	27.36	27.47		27.37	27.35	27.38	27.47	27.36	27.33		27.33	
	0.04	0.03		0.05	0.12	0.08	-99.00	0.05	0.05		0.04	
	40	3		20	36	4	24	7	91		36	
400	27.54	27.56		27.57	27.56	27.55	27.60	27.51	27.49		27.51	
	0.03	-99.00		0.05	0.04	0.03	0.01	0.06	0.05		0.03	
	14	1		4	16	3	9	8	3		12	
500	27.54				27.55	27.55	27.66	27.57			27.55	
	-99.00				0.03	-99.00	-99.00	0.01			0.02	
	1				6	4	1	2			2	

Statistics: NW CABOT STRAIT

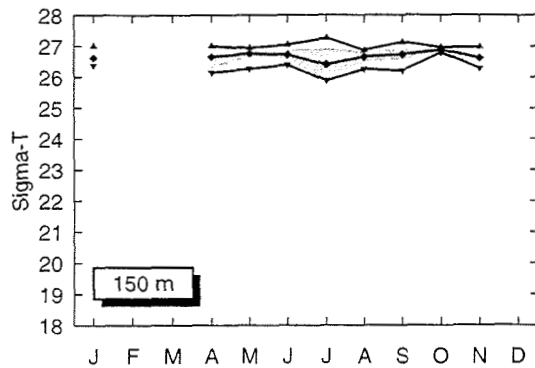
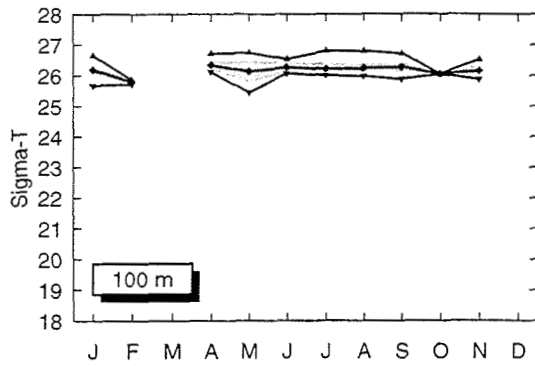
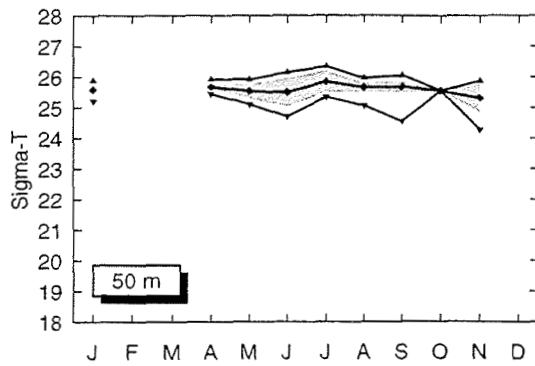
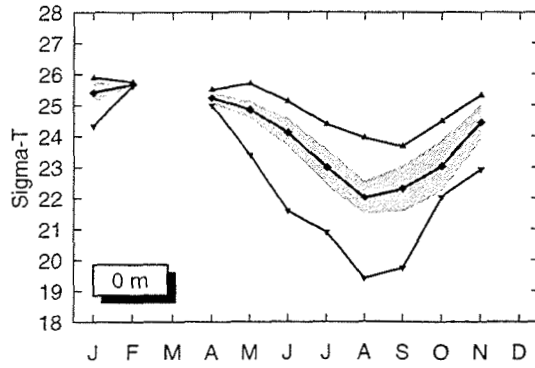
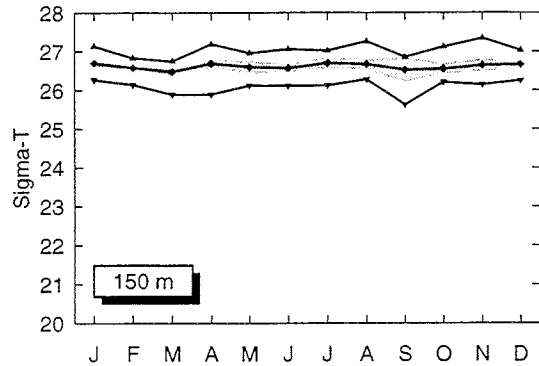
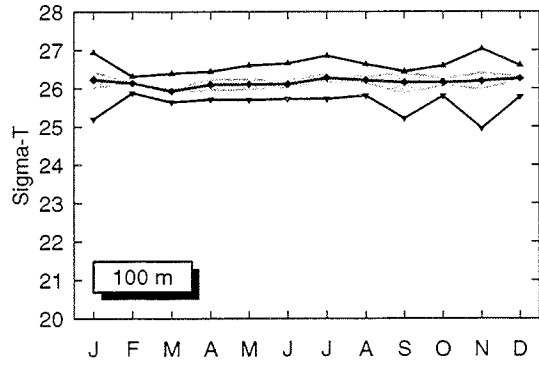
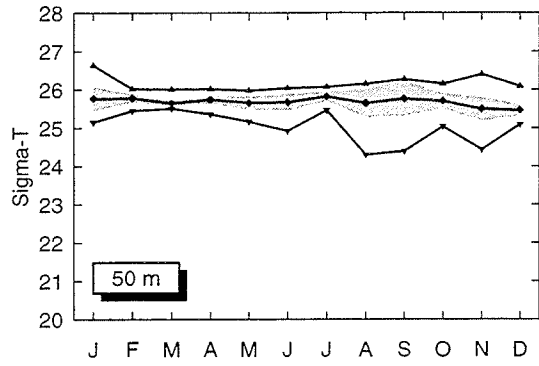
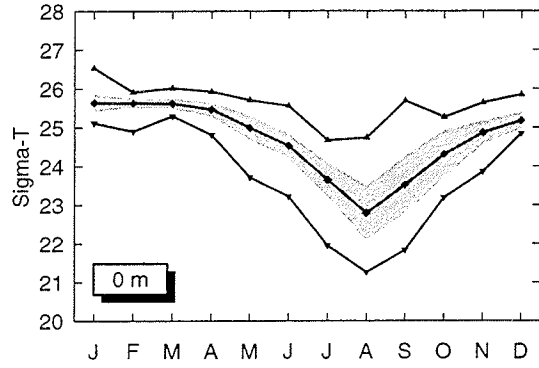


Table 2: SIGMA-T AT SUBAREA 2 NE CABOT STRAIT

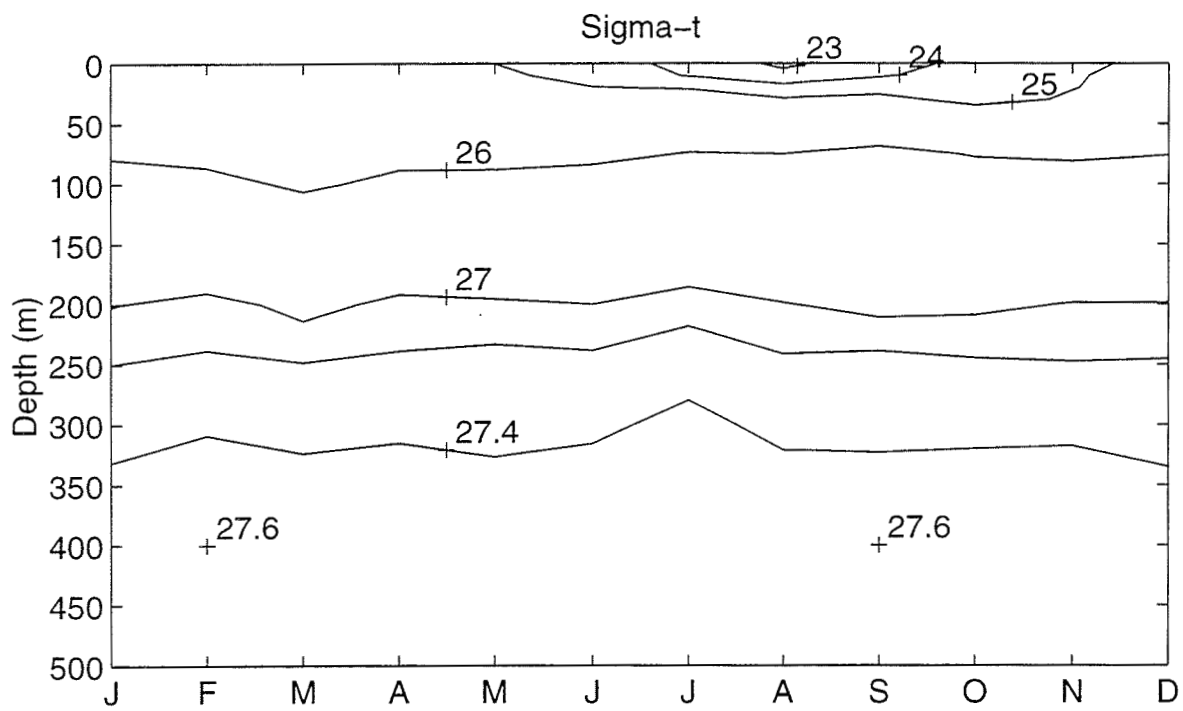
MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	25.64	25.63	25.62	25.47	25.00	24.53	23.65	22.79	23.52	24.31	24.87	25.18
	0.23	0.11	0.13	0.18	0.31	0.30	0.44	0.70	0.74	0.61	0.30	0.21
	54	18	74	30	137	95	41	191	34	22	185	17
10	25.70	25.68	25.56	25.50	25.17	24.70	23.93	23.28	23.88	24.44	24.95	25.24
	0.25	0.13	0.05	0.09	0.28	0.29	0.60	0.85	0.84	0.65	0.31	0.27
	80	14	141	51	166	52	34	130	24	26	170	30
20	25.72	25.72	25.61	25.51	25.29	25.02	24.95	24.33	24.76	24.56	24.98	25.25
	0.30	0.11	0.07	0.12	0.20	0.32	0.44	0.76	0.87	0.81	0.34	0.25
	79	15	120	51	184	62	37	146	27	26	221	28
30	25.70	25.72	25.58	25.55	25.41	25.26	25.34	25.10	25.18	24.78	25.07	25.35
	0.26	0.14	0.05	0.11	0.20	0.33	0.26	0.43	0.70	0.89	0.33	0.27
	88	14	97	50	164	60	33	137	28	22	288	43
50	25.77	25.78	25.65	25.74	25.66	25.67	25.82	25.65	25.76	25.70	25.49	25.46
	0.31	0.11	0.06	0.11	0.17	0.22	0.12	0.37	0.45	0.20	0.31	0.15
	97	14	77	46	121	60	29	143	25	22	396	77
75	25.95	25.88	25.74	25.88	25.88	25.94	26.01	26.00	26.08	25.98	25.94	25.99
	0.24	0.06	0.07	0.08	0.15	0.13	0.12	0.12	0.13	0.11	0.26	0.11
	130	12	107	45	125	51	27	112	25	17	377	71
100	26.23	26.14	25.93	26.10	26.11	26.11	26.27	26.21	26.15	26.16	26.19	26.26
	0.23	0.03	0.06	0.17	0.16	0.11	0.12	0.10	0.31	0.11	0.24	0.07
	255	17	137	64	150	53	27	143	21	22	594	126
150	26.70	26.58	26.48	26.69	26.60	26.57	26.70	26.67	26.52	26.55	26.64	26.66
	0.10	0.01	0.10	0.11	0.16	0.11	0.14	0.13	0.32	0.14	0.16	0.08
	254	14	109	65	168	42	25	127	20	13	656	119
200	26.99	27.10	26.92	27.06	27.04	27.00	27.12	27.01	26.92	26.95	27.01	27.01
	0.08	0.13	0.11	0.05	0.11	0.10	0.10	0.08	0.35	0.10	0.10	0.07
	218	13	81	59	173	42	22	90	18	11	469	106
250	27.20	27.23	27.21	27.24	27.28	27.26	27.34	27.24	27.28	27.23	27.21	27.22
	0.07	-99.0	0.08	0.08	0.08	0.11	0.07	0.07	0.09	0.07	0.09	0.04
	148	9	52	20	95	24	14	55	9	10	302	44
300	27.34	27.38	27.35	27.38	27.36	27.37	27.44	27.36	27.34	27.37	27.37	27.33
	0.05	0.01	0.06	0.06	0.10	0.05	0.08	0.06	0.10	0.04	0.09	0.05
	206	8	40	26	184	26	23	80	19	7	405	100
400	27.53	27.60	27.56	27.51	27.51	27.56	27.56	27.55	27.60	27.52	27.54	27.53
	0.02	0.02	0.03	0.11	0.05	0.02	0.06	0.06	0.07	0.08	0.08	0.02
	69	3	31	16	69	19	8	41	13	4	159	86
500	27.56				27.56	27.60		27.57	27.57	27.54		
	0.03				0.02	0.01		0.01	0.02	-99.00		
	7				11	2		7	3	1		

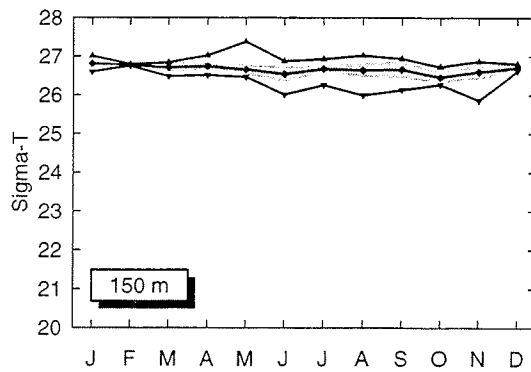
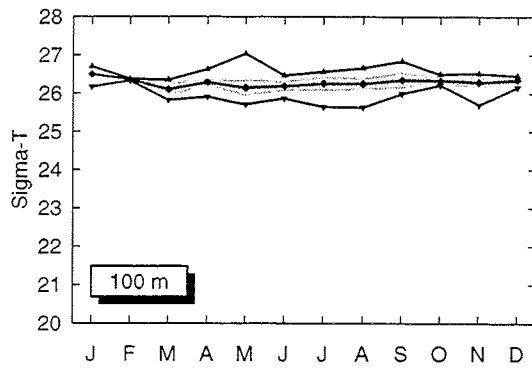
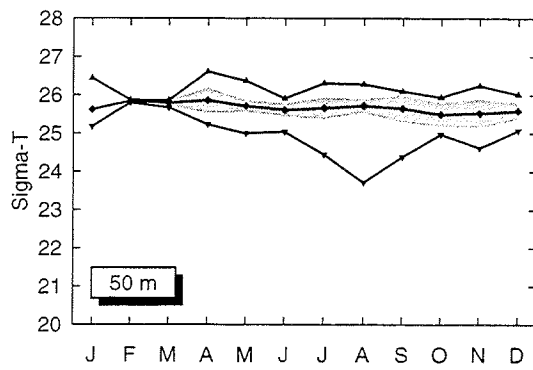
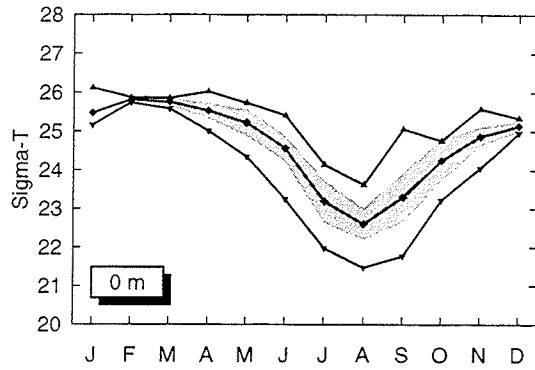
Statistics: NE CABOT STRAIT



Vertical Structure (Monthly Means): NE CABOT STRAIT



Statistics: E ESQUIMAN CHANNEL



Vertical Structure (Monthly Means): E ESQUIMAN CHANNEL

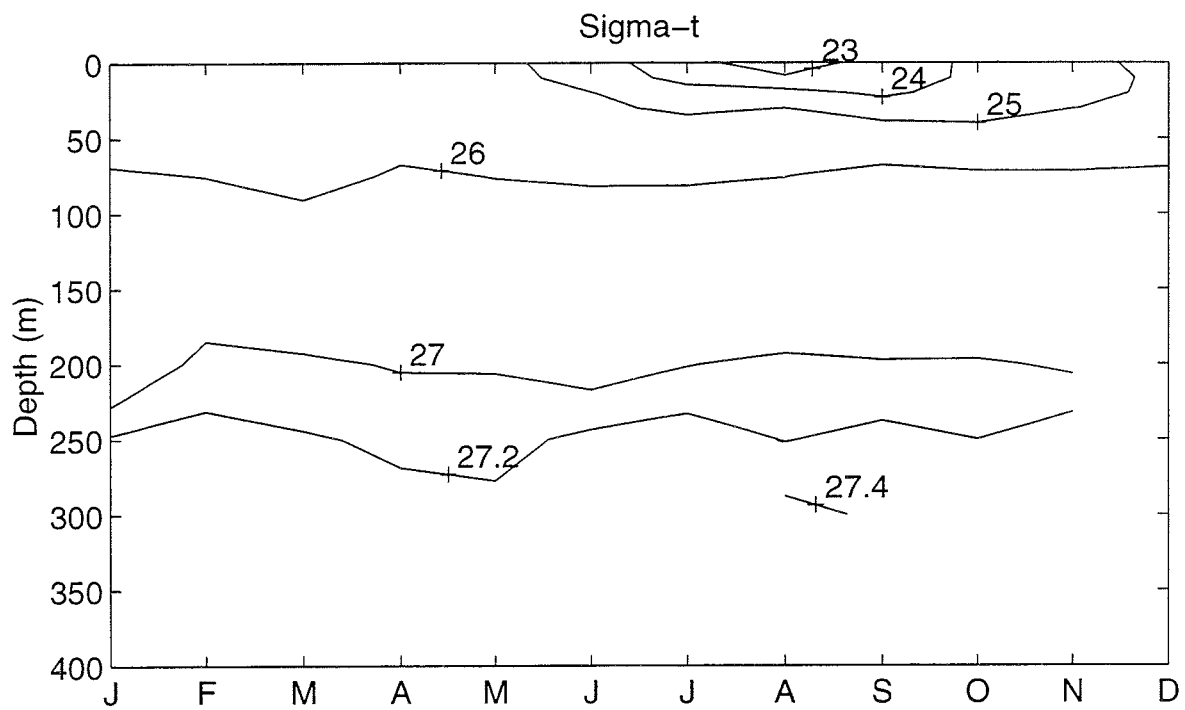
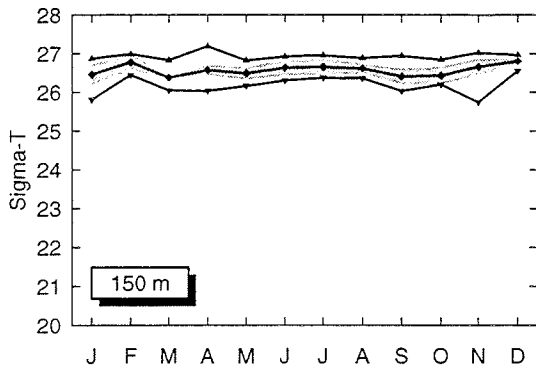
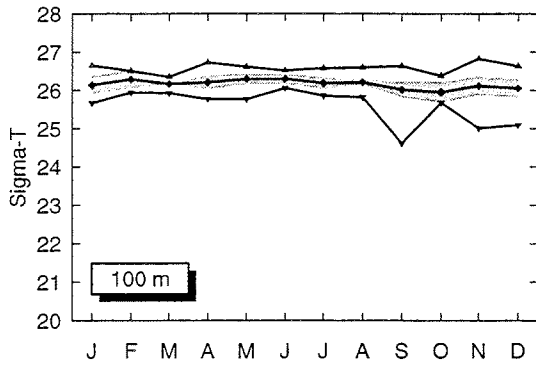
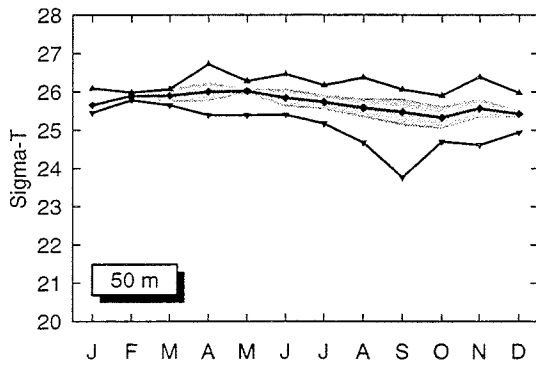
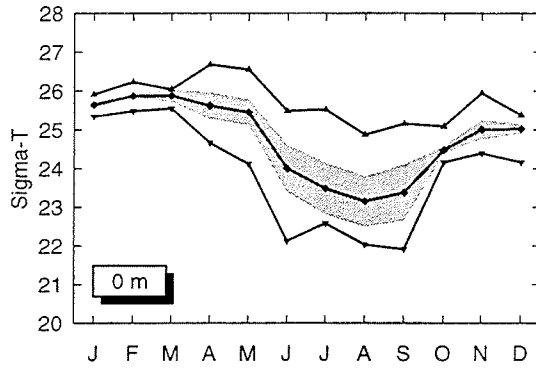


Table 4: SIGMA-T AT SUBAREA 4 W ESQUIMAN CHANNEL

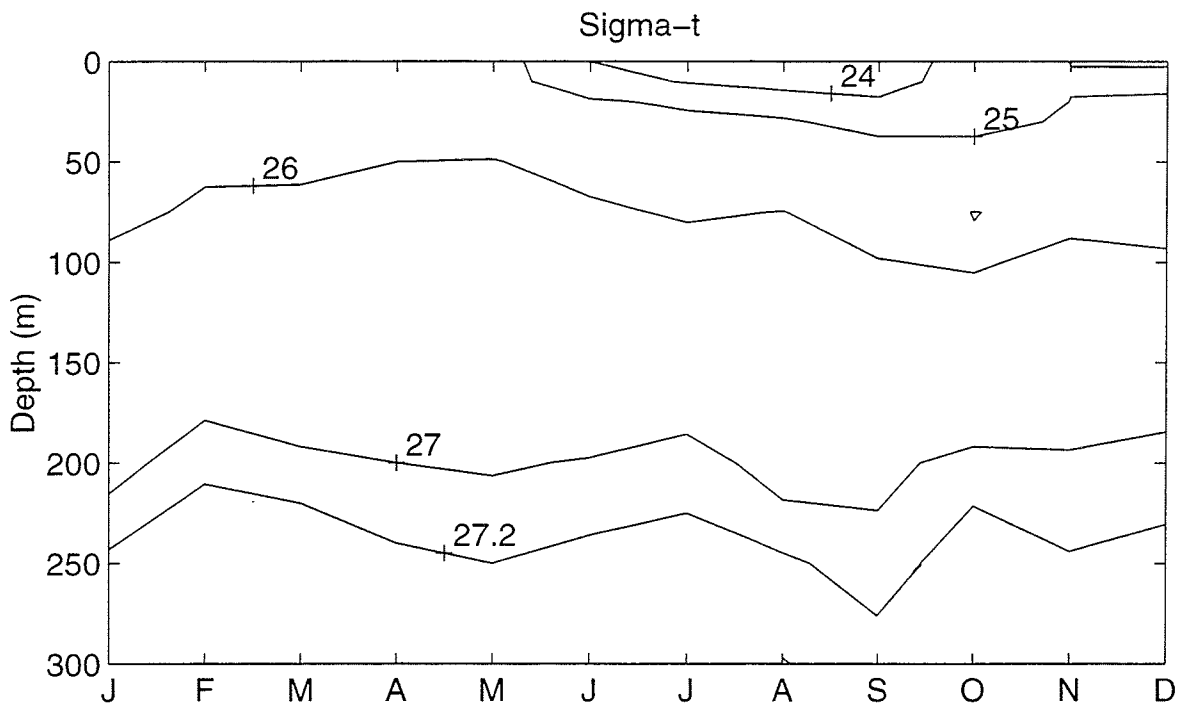
MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	25.64	25.87	25.88	25.62	25.45	24.00	23.48	23.15	23.38	24.48	25.01	25.02
	0.07	0.02	0.16	0.34	0.33	0.60	0.67	0.65	0.73	0.08	0.25	0.13
	13	8	4	85	25	37	42	87	37	8	115	20
10	25.65	25.87	25.89	25.63	25.41	24.37	23.93	23.54	23.55	24.53	24.97	24.94
	0.08	-99.00	0.18	0.33	0.26	0.68	0.58	0.55	0.71	0.06	0.26	0.18
	30	5	4	137	69	36	52	136	129	14	142	39
20	25.62	25.86	25.92	25.69	25.59	25.10	24.87	24.62	24.14	24.56	25.01	25.04
	0.06	-99.00	0.11	0.33	0.17	0.54	0.43	0.51	0.79	0.01	0.25	0.07
	24	6	4	139	61	36	52	156	133	9	158	42
30	25.62	25.87	25.81	25.73	25.73	25.26	25.17	25.09	24.73	24.81	25.08	25.10
	0.06	-99.00	0.25	0.35	0.18	0.56	0.21	0.40	0.60	0.18	0.21	0.11
	30	5	2	132	42	25	37	153	132	14	176	46
50	25.65	25.89	25.90	26.00	26.02	25.84	25.73	25.58	25.47	25.33	25.57	25.42
	0.05	-99.00	0.18	0.25	0.06	0.24	0.19	0.25	0.35	0.30	0.25	0.10
	29	5	3	116	45	25	32	119	130	12	282	71
75	25.82	26.11	26.12	26.10	26.19	26.07	25.95	26.01	25.74	26.01	25.87	25.87
	0.07	0.16	0.28	0.17	0.11	0.18	0.25	0.18	0.19	0.12	0.20	0.24
	33	8	3	114	36	21	23	85	95	7	234	56
100	26.14	26.29	26.17	26.21	26.30	26.30	26.19	26.21	26.02	25.95	26.12	26.05
	0.24	0.23	-99.00	0.18	0.14	0.13	0.15	0.06	0.20	0.27	0.24	0.24
	32	7	3	147	41	18	27	152	117	7	350	125
150	26.46	26.78	26.38	26.57	26.49	26.63	26.65	26.61	26.41	26.43	26.66	26.80
	0.26	0.21	-99.00	0.13	0.16	0.20	0.22	0.12	0.20	0.23	0.21	0.07
	23	5	3	83	14	8	9	66	51	5	246	91
200	26.89	27.16	27.12	27.00	26.97	27.02	27.14	26.86	26.91	27.11	27.05	27.09
	0.29	0.01	-99.00	0.08	0.01	0.13	0.08	0.16	0.16	0.01	0.11	0.08
	22	2	1	22	8	6	5	51	18	4	183	72
250	27.25	27.35	27.32	27.25	27.20	27.27	27.26	27.24		27.32	27.22	27.27
	0.07	-99.00	-99.00	0.07	0.05	0.05	0.05	0.05		-99.00	0.11	0.05
	6	1	1	8	5	6	2	26		2	76	36
300								27.41	27.29		27.43	
								0.04	0.03		-99.00	
								2	2		2	

Statistics: W ESQUIMAN CHANNEL



Vertical Structure (Monthly Means): W ESQUIMAN CHANNEL



Statistics: JACQUES CARTIER PASSAGE

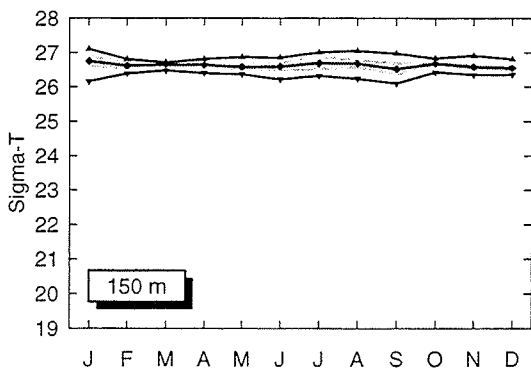
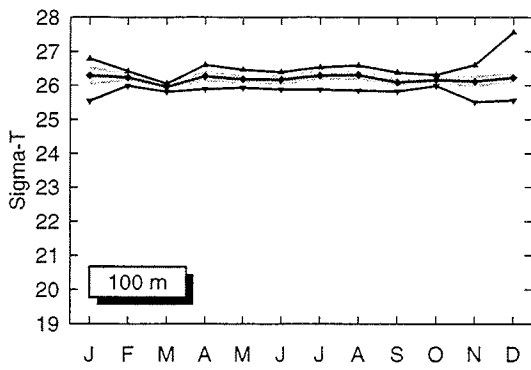
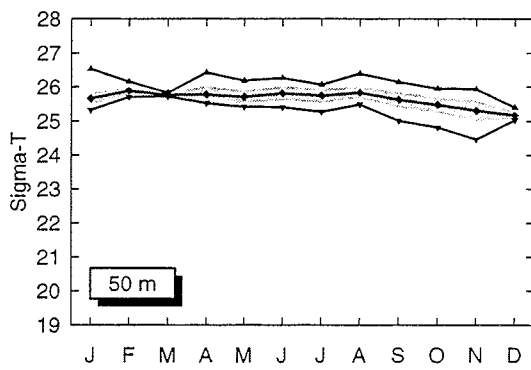
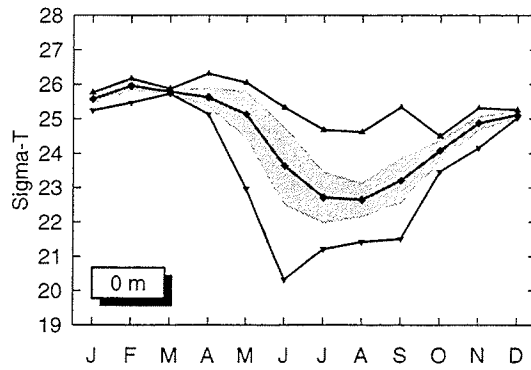
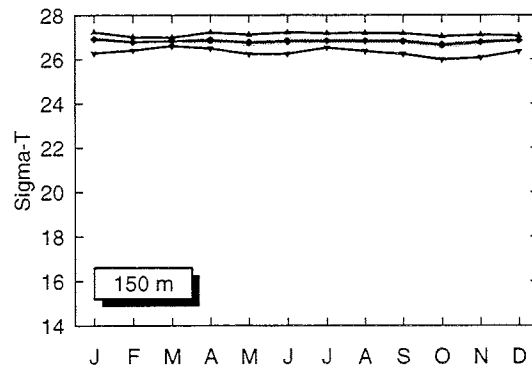
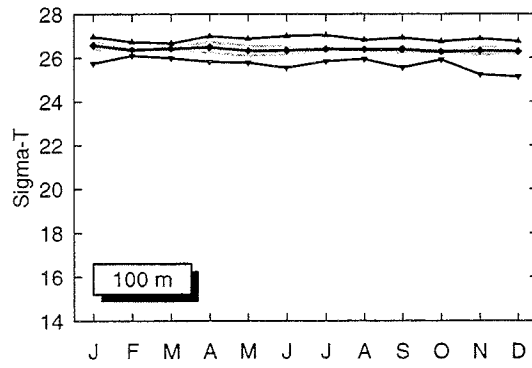
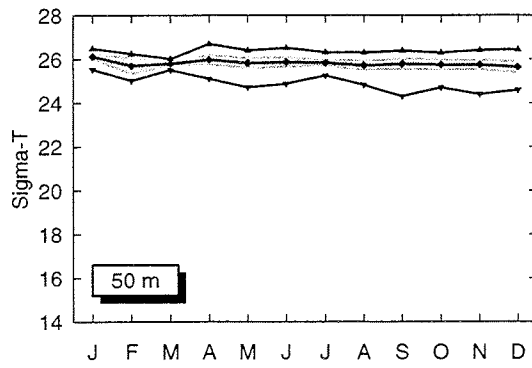
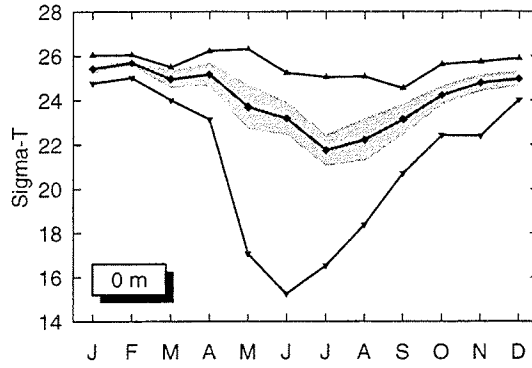


Table 6: SIGMA-T AT SUBAREA 6 NW GULF

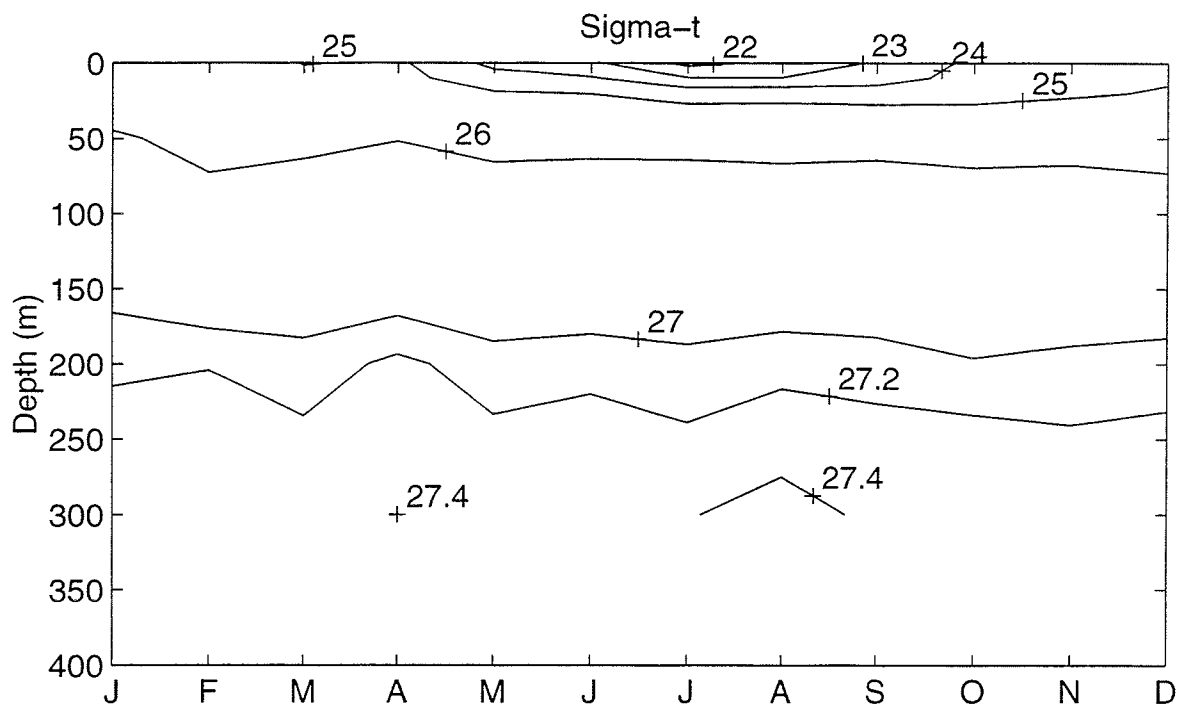
MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	25.43	25.69	24.96	25.17	23.71	23.19	21.75	22.22	23.14	24.23	24.79	24.96
	0.21	0.10	0.39	0.53	1.02	0.75	0.71	0.97	0.71	0.44	0.38	0.35
	15	10	5	36	106	127	76	104	197	71	207	53
10	25.44	25.43	25.23	25.27	24.45	24.10	23.05	23.04	23.52	24.40	24.84	24.95
	0.11	0.63	0.10	0.42	0.75	0.61	0.62	0.68	0.64	0.37	0.40	0.25
	74	11	6	63	171	234	87	120	351	67	309	87
20	25.62	25.45	25.31	25.44	25.08	24.98	24.60	24.70	24.54	24.71	24.93	25.05
	0.28	0.59	0.04	0.32	0.48	0.36	0.46	0.66	0.48	0.29	0.36	0.30
	78	11	6	62	163	234	88	123	480	72	426	113
30	25.64	25.58	25.42	25.54	25.43	25.39	25.17	25.16	25.14	25.11	25.16	25.23
	0.19	0.47	0.07	0.30	0.31	0.29	0.45	0.48	0.43	0.34	0.30	0.33
	104	11	6	66	100	138	71	103	398	73	452	161
50	26.13	25.71	25.80	25.98	25.83	25.87	25.84	25.72	25.79	25.75	25.75	25.64
	0.13	0.43	0.09	0.25	0.28	0.25	0.17	0.26	0.28	0.28	0.25	0.32
	109	11	6	78	75	103	67	95	246	69	421	183
75	26.21	26.03	26.17	26.24	26.10	26.11	26.12	26.14	26.15	26.07	26.10	26.03
	0.32	0.25	0.12	0.33	0.28	0.23	0.06	0.17	0.20	0.11	0.25	0.27
	63	13	5	67	70	94	56	54	208	50	335	166
100	26.58	26.36	26.43	26.48	26.33	26.34	26.40	26.39	26.39	26.28	26.32	26.29
	0.23	0.10	0.11	0.29	0.29	0.23	0.14	0.10	0.20	0.10	0.23	0.18
	85	17	5	89	75	105	68	68	320	62	533	329
150	26.93	26.79	26.83	26.86	26.77	26.82	26.83	26.83	26.82	26.65	26.78	26.85
	0.10	0.05	0.04	0.18	0.19	0.18	0.12	0.11	0.13	0.18	0.13	0.07
	49	11	5	64	57	84	48	49	271	42	382	217
200	27.15	27.19	27.09	27.25	27.10	27.12	27.06	27.13	27.10	27.03	27.07	27.08
	0.06	0.08	0.04	0.06	0.12	0.13	0.14	0.08	0.11	0.11	0.07	0.05
	21	6	5	43	34	58	36	35	168	26	209	152
250	27.32	27.31	27.25	27.34	27.25	27.32	27.24	27.34	27.29	27.28	27.23	27.27
	0.03	0.02	0.01	0.07	0.10	0.09	0.15	0.11	0.21	0.06	0.08	0.05
	13	3	5	26	21	44	26	19	59	14	172	117
300	27.36	27.35	27.38	27.40	27.34	27.35	27.39	27.46	27.37	27.39	27.34	27.34
	0.04	-99.00	0.03	0.04	0.09	0.12	0.10	0.11	0.15	0.06	0.07	0.04
	15	1	4	32	33	38	35	19	60	14	128	70
400				27.37		27.42					27.40	
				-99.00		-99.00					0.06	
				3		1					3	

Statistics: NW GULF



Vertical Structure (Monthly Means): NW GULF



Statistics: ESTUARY

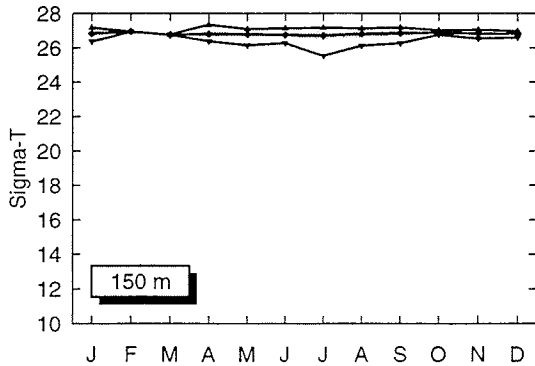
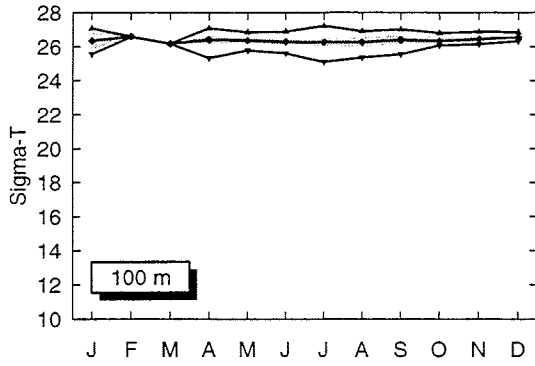
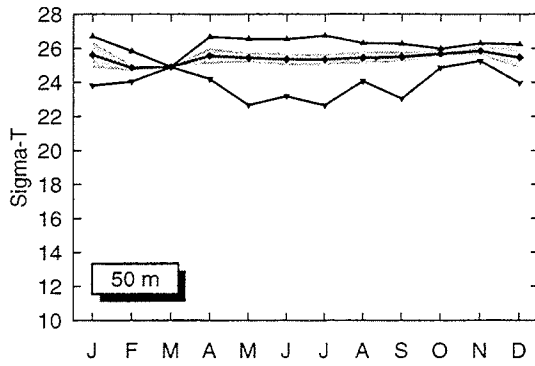
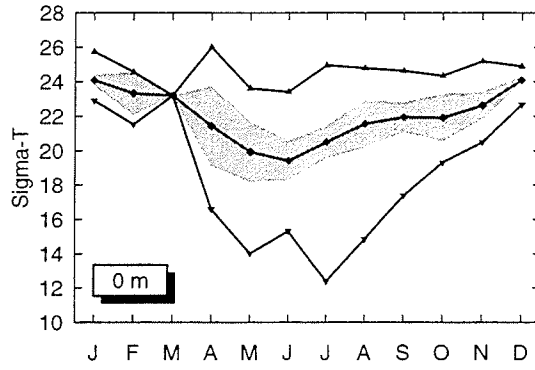


Table 8: SIGMA-T AT SUBAREA 8 GASPE

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	24.80	24.89	24.62	24.51	22.35	21.33	20.68	21.16	22.51	23.06	24.03	24.28
	0.66	0.62	0.22	0.54	1.46	1.27	1.50	0.55	0.55	0.41	0.52	0.64
	20	11	6	63	180	420	249	161	346	54	191	35
10	24.83	25.24	25.01	24.49	23.16	22.28	21.76	21.85	22.63	23.45	24.10	24.25
	0.61	0.73	0.21	0.27	1.26	0.86	1.23	0.74	0.49	0.59	0.51	0.27
	17	7	5	136	332	1111	389	164	594	49	349	90
20	25.01	25.23	25.11	24.92	24.36	23.79	23.12	23.45	23.21	23.66	24.41	24.56
	0.46	0.69	0.16	0.34	0.59	0.56	1.19	1.08	0.54	0.28	0.43	0.37
	15	11	5	137	294	1210	299	174	840	45	401	110
30	25.22	25.44	25.05	25.23	24.90	24.50	24.00	24.40	24.08	23.86	24.75	24.80
	0.55	0.48	0.19	0.43	0.43	0.72	1.10	0.85	0.61	0.60	0.40	0.43
	31	12	4	123	231	908	247	122	859	36	382	120
50	25.74	25.65	25.52	25.80	25.57	25.51	25.31	25.41	25.34	25.18	25.42	25.33
	0.27	0.37	0.17	0.44	0.29	0.70	0.43	0.71	0.44	0.45	0.39	0.38
	20	12	6	103	171	570	192	111	662	31	334	147
75	25.98	25.93	25.78	26.12	26.01	25.93	25.90	25.95	25.93	25.89	25.98	25.81
	0.30	0.31	0.35	0.30	0.23	0.30	0.25	0.19	0.24	0.26	0.33	0.39
	21	10	5	93	160	455	186	83	495	27	294	147
100	26.20	26.20	26.07	26.41	26.37	26.25	26.23	26.16	26.24	26.27	26.34	26.32
	0.30	0.36	0.40	0.30	0.20	0.28	0.23	0.33	0.19	0.16	0.23	0.18
	31	14	5	158	223	757	109	119	851	21	388	245
150	26.74	26.67	26.33	26.83	26.69	26.80	26.75	26.79	26.72	26.64	26.76	26.74
	0.13	0.46	0.55	0.29	0.35	0.13	0.11	0.13	0.15	0.21	0.15	0.13
	20	8	4	155	135	434	85	95	675	17	341	218
200	27.09	27.23	27.05	27.16	27.07	27.04	27.05	27.07	26.98	26.92	27.06	27.06
	0.11	0.07	0.01	0.15	0.08	0.13	0.15	0.13	0.13	0.13	0.09	0.07
	19	5	3	81	65	260	64	82	410	7	240	176
250	27.24	27.36	27.19	27.32	27.23	27.29	27.29	27.20	27.14	27.20	27.25	27.24
	0.07	0.07	0.03	0.14	0.13	0.10	0.08	0.22	0.10	0.07	0.06	0.05
	10	5	3	49	43	121	48	38	201	6	130	98
300	27.35	27.35	27.28	27.35	27.33	27.41	27.38	27.39	27.33	27.32	27.36	27.34
	0.03	-99.00	0.04	0.05	0.11	0.11	0.09	0.16	0.06	0.06	0.06	0.04
	12	5	4	48	37	96	56	30	179	6	174	91
400	27.46				27.36	27.40						
	-99.00				0.07	-99.0						
	1				4	3						

Statistics: GASPE

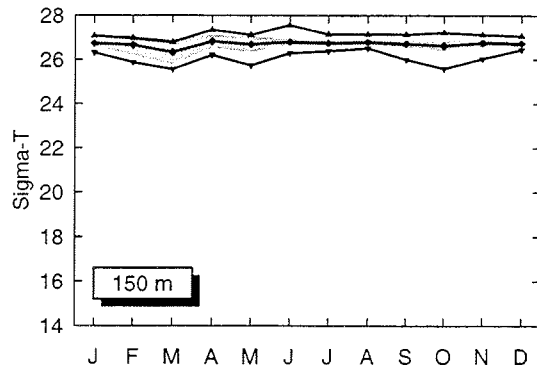
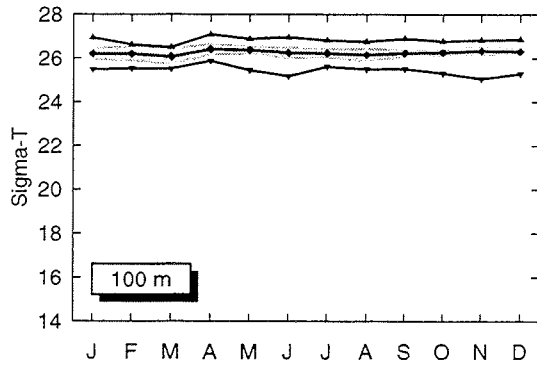
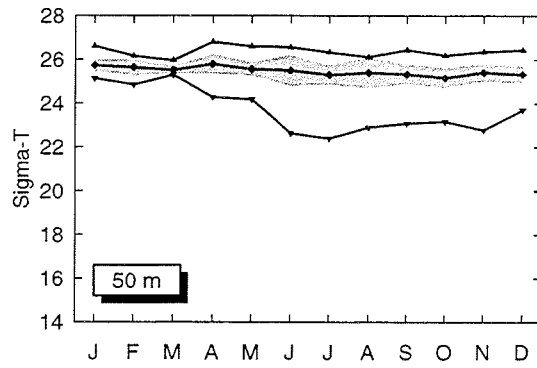
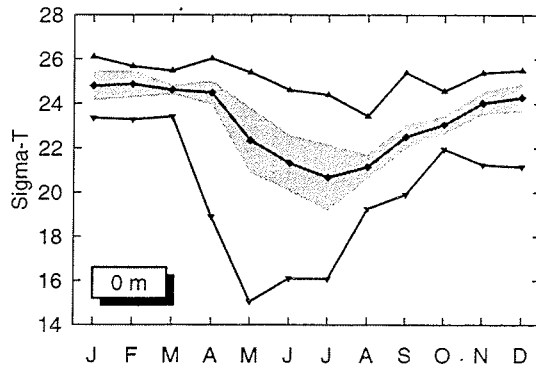
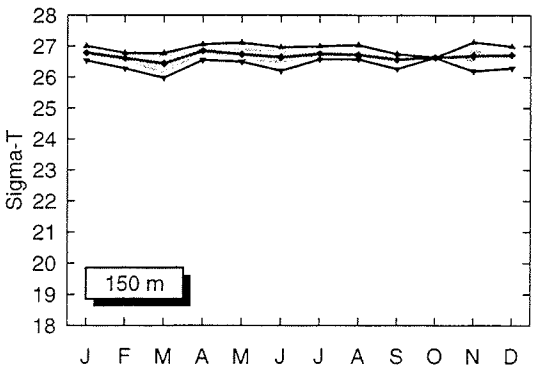
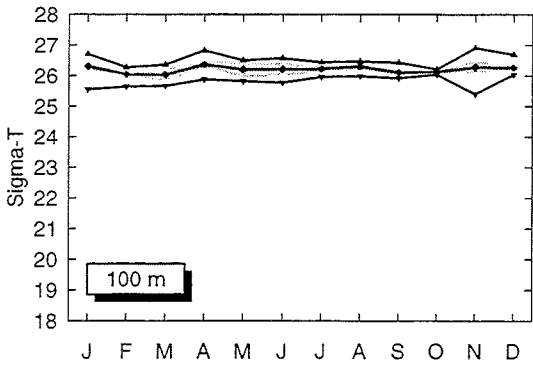
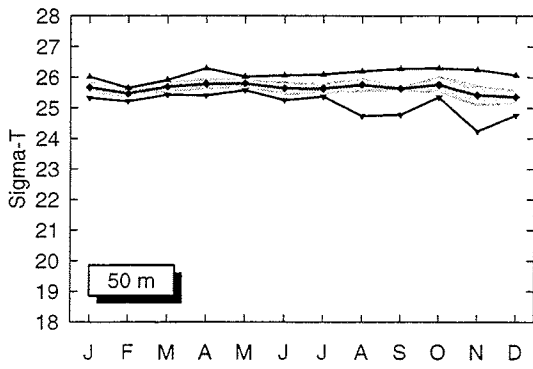
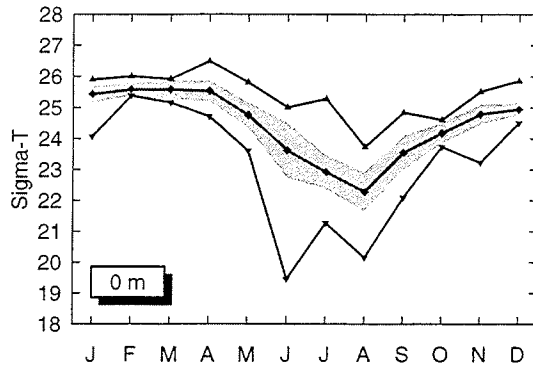


Table 9: SIGMA-T AT SUBAREA 9 N LAURENTIAN CHANNEL

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	25.43	25.58	25.58	25.53	24.76	23.62	22.92	22.28	23.55	24.17	24.79	24.95
	0.28	0.20	0.32	0.33	0.40	0.88	0.55	0.62	0.55	0.33	0.32	0.20
	19	5	3	39	27	46	35	67	31	8	162	33
10	25.44	25.48	25.62	25.47	24.77	23.76	23.18	22.51	23.55	24.51	24.78	24.96
	0.26	0.28	0.28	0.29	0.65	0.73	0.24	0.57	0.76	0.23	0.34	0.10
	24	8	4	69	21	56	34	51	46	9	195	53
20	25.51	25.48	25.64	25.55	25.10	24.50	24.38	24.27	24.08	24.56	24.82	24.93
	0.20	0.29	0.24	0.27	0.45	0.60	0.80	0.77	0.94	0.03	0.28	0.13
	26	8	5	75	23	54	35	85	40	9	232	47
30	25.57	25.52	25.64	25.67	25.51	24.90	24.66	25.01	24.79	25.07	24.90	25.04
	0.19	0.29	0.24	0.23	0.25	0.71	0.72	0.61	0.57	0.43	0.25	0.09
	12	8	5	70	20	35	28	77	42	7	304	51
50	25.67	25.47	25.69	25.78	25.80	25.64	25.63	25.76	25.63	25.76	25.42	25.36
	0.17	0.17	0.17	0.19	0.13	0.22	0.17	0.24	0.06	0.29	0.35	0.23
	21	7	5	68	17	32	30	58	38	7	428	108
75	26.02	25.71	25.75	25.93	25.97	25.90	26.02	26.05	25.96	26.08	25.99	25.98
	0.14	0.02	0.12	0.22	0.16	0.16	0.17	0.11	0.13	0.22	0.26	0.09
	49	7	4	77	13	24	26	44	25	6	370	102
100	26.31	26.04	26.03	26.36	26.20	26.21	26.22	26.31	26.10	26.13	26.28	26.26
	0.13	0.01	0.22	0.08	0.25	0.21	0.10	0.11	0.07	0.06	0.20	0.09
	78	13	9	122	26	37	15	90	55	4	586	187
150	26.79	26.62	26.44	26.85	26.74	26.64	26.75	26.72	26.57	26.63	26.69	26.71
	0.10	0.10	0.33	0.07	0.19	0.20	0.08	0.09	0.10	-99.00	0.18	0.07
	79	9	4	101	17	25	20	67	27	1	533	158
200	27.06	27.03	26.95	27.07	27.04	27.00	27.11	27.10	27.00	27.03	27.03	27.02
	0.08	0.04	0.09	0.02	0.17	0.11	0.07	0.09	0.10	-99.00	0.12	0.07
	51	7	5	71	12	20	19	73	24	1	435	122
250	27.26	27.38	27.19	27.24	27.24	27.24	27.27	27.34	27.22		27.25	27.21
	0.05	0.12	0.04	0.03	0.14	0.13	0.10	0.07	0.09		0.07	0.04
	32	5	4	60	10	15	14	59	14		274	101
300	27.35	27.46	27.33	27.37	27.41	27.40	27.47	27.46	27.41	27.42	27.39	27.34
	0.03	0.10	0.03	0.05	0.09	0.12	0.11	0.08	0.04	-99.00	0.08	0.04
	41	6	4	58	9	15	19	69	4	2	424	154
400	27.51	27.55	27.50	27.46	27.49	27.49		27.60	27.49		27.52	27.51
	0.03	0.03	0.05	0.03	-99.00	0.03		-99.00	-99.00		0.08	0.02
	14	2	2	5	1	5		1	2		89	64

Statistics: N LAURENTIAN CHANNEL



Vertical Structure (Monthly Means): N LAURENTIAN CHANNEL

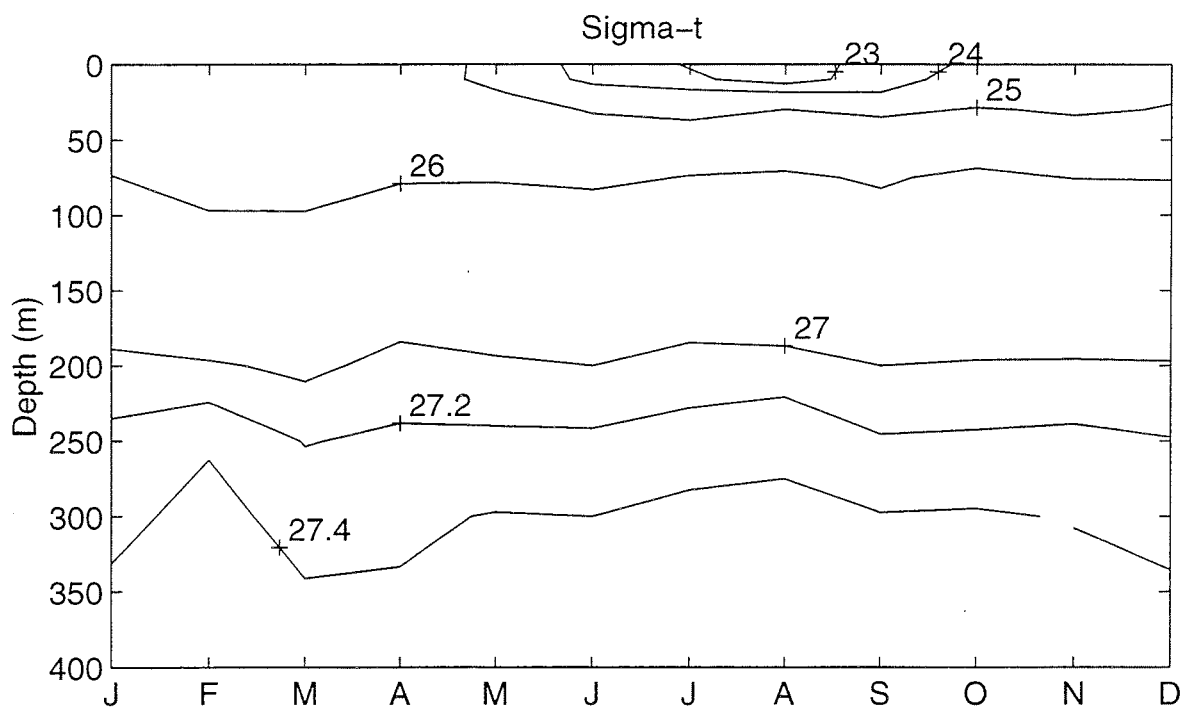
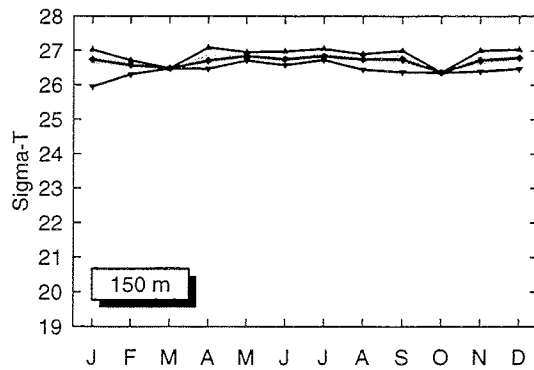
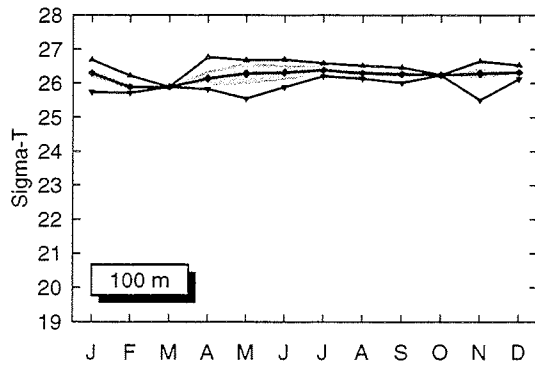
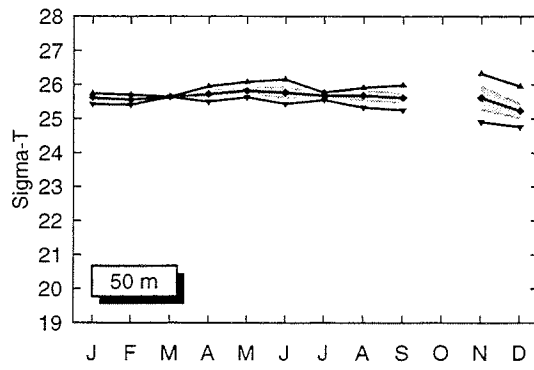
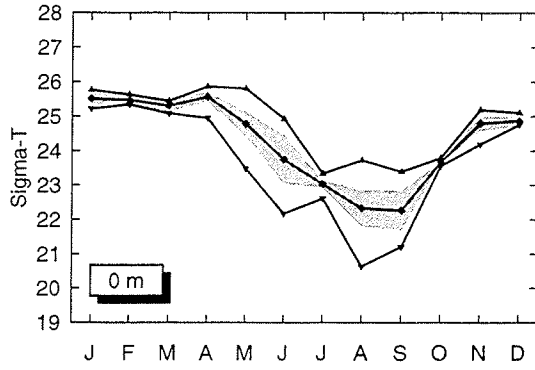


Table 10: SIGMA-T AT SUBAREA 10 S LAURENTIAN CHANNEL

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	25.51	25.47	25.30	25.56	24.78	23.75	23.03	22.33	22.27	23.67	24.80	24.87
	0.15	0.13	0.16	0.14	0.35	0.70	0.10	0.53	0.57	-99.00	0.21	0.14
	18	6	3	33	108	67	18	83	69	3	50	8
10	25.48	25.50	25.42	25.65	25.26	24.22	23.16	22.82	22.43		24.81	24.90
	0.13	0.11	0.24	0.13	0.33	0.60	0.12	0.35	0.62		0.25	0.14
	16	5	3	20	18	28	4	62	117		54	11
20	25.50	25.50	25.46	25.63	25.37	24.89	24.51	24.16	23.14		24.85	24.80
	0.13	0.12	0.15	0.11	0.30	0.24	0.63	0.44	0.77		0.25	0.05
	14	4	2	27	21	28	5	94	159		86	11
30	25.58	25.50	25.61	25.63	25.53	25.27	25.17	24.93	24.39		24.91	24.92
	0.11	0.12	0.02	0.10	0.21	0.30	0.14	0.40	0.90		0.30	0.13
	13	6	2	26	17	20	6	95	164		108	17
50	25.62	25.56	25.64	25.72	25.82	25.77	25.68	25.68	25.62		25.62	25.23
	0.07	0.12	-99.00	0.13	0.10	0.19	0.08	0.16	0.17		0.37	0.24
	14	4	1	29	20	17	6	70	126		197	21
75	25.85	25.62	25.69	25.98	26.11	26.07	26.05	26.01	25.98		26.03	25.97
	0.16	0.07	-99.00	0.27	0.15	0.23	0.06	0.11	0.12		0.23	0.04
	32	10	1	35	14	22	6	59	113		147	27
100	26.30	25.89	25.89	26.14	26.29	26.32	26.39	26.30	26.28	26.24	26.29	26.32
	0.11	0.07	-99.00	0.22	0.32	0.22	0.14	0.10	0.09	-99.00	0.14	0.02
	62	11	1	59	18	21	8	123	161	1	285	42
150	26.74	26.58	26.48	26.71	26.84	26.75	26.84	26.75	26.75	26.36	26.72	26.79
	0.14	0.09	-99.00	0.18	0.05	0.09	0.09	0.05	0.12	-99.00	0.13	0.03
	59	9	1	49	17	13	7	108	147	1	249	36
200	27.07	27.03	26.88	27.10	27.10	27.08	27.18	27.06	26.99		26.99	27.12
	0.04	0.08	-99.00	0.14	0.03	0.11	0.03	0.05	0.15		0.17	0.06
	46	6	1	36	15	11	7	102	142		202	25
250	27.24	27.24	27.19	27.27	27.27	27.30	27.39	27.27	27.13		27.20	27.29
	0.03	0.08	0.08	0.04	0.02	0.03	0.05	0.06	0.14		0.16	0.07
	28	5	2	23	13	6	7	74	81		128	15
300	27.37	27.42	27.40	27.29	27.37	27.39	27.58	27.36	27.30		27.37	27.41
	0.04	0.09	0.06	0.11	0.04	0.06	0.01	0.08	0.04		0.06	0.04
	27	9	3	50	15	14	12	91	71		154	29
400	27.55	27.45	27.48	27.54	27.55	27.53	27.76	27.51	27.49		27.49	27.52
	0.02	-99.00	-99.00	-99.00	0.03	0.03	-99.00	0.06	-99.00		0.06	0.02
	9	2	1	6	11	9	3	5	1		26	3

Statistics: S LAURENTIAN CHANNEL



Vertical Structure (Monthly Means): S LAURENTIAN CHANNEL

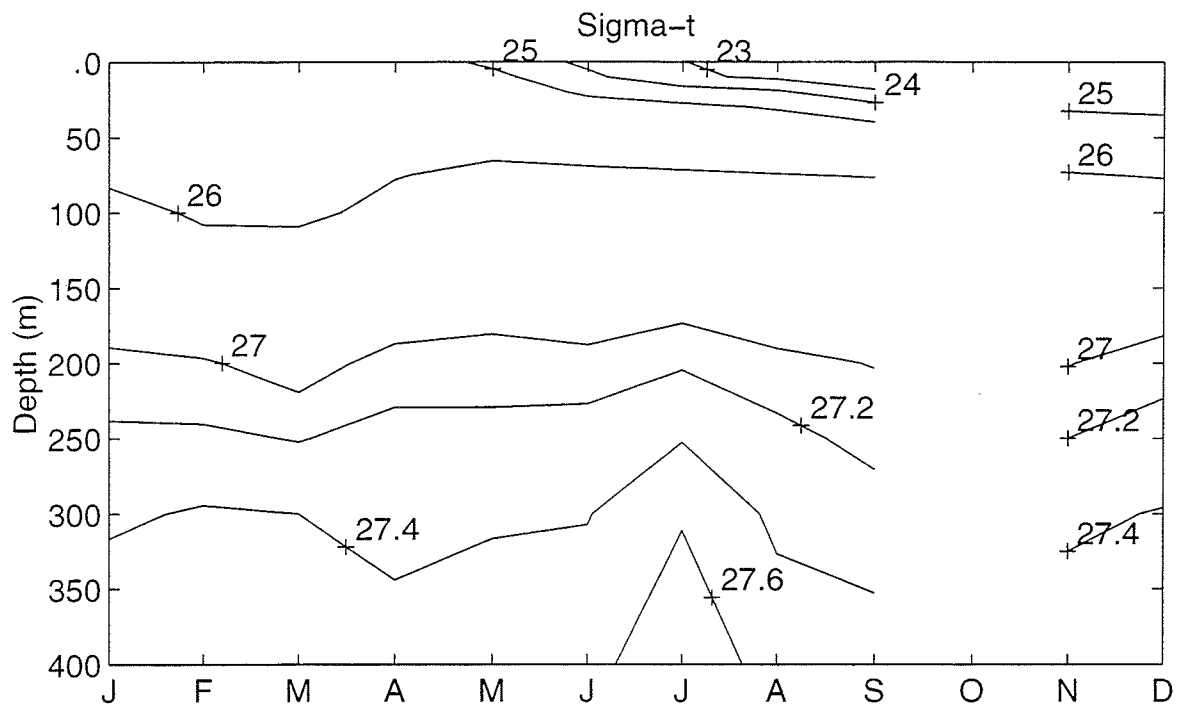
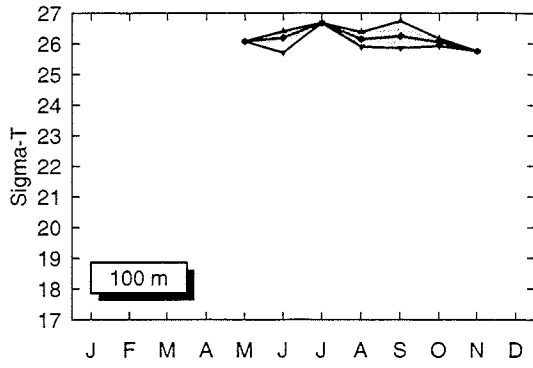
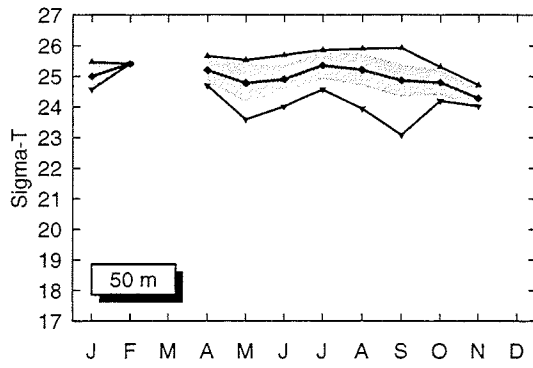
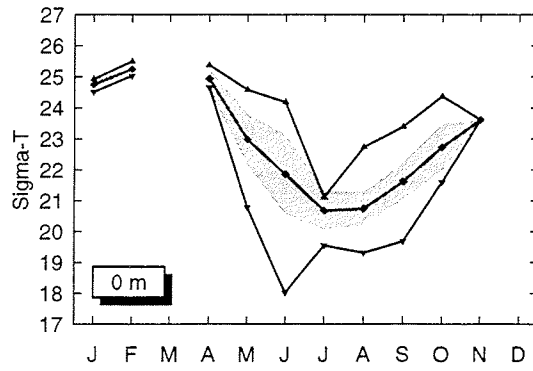


Table 11: SIGMA-T AT SUBAREA 11 SHEDIAC VALLEY

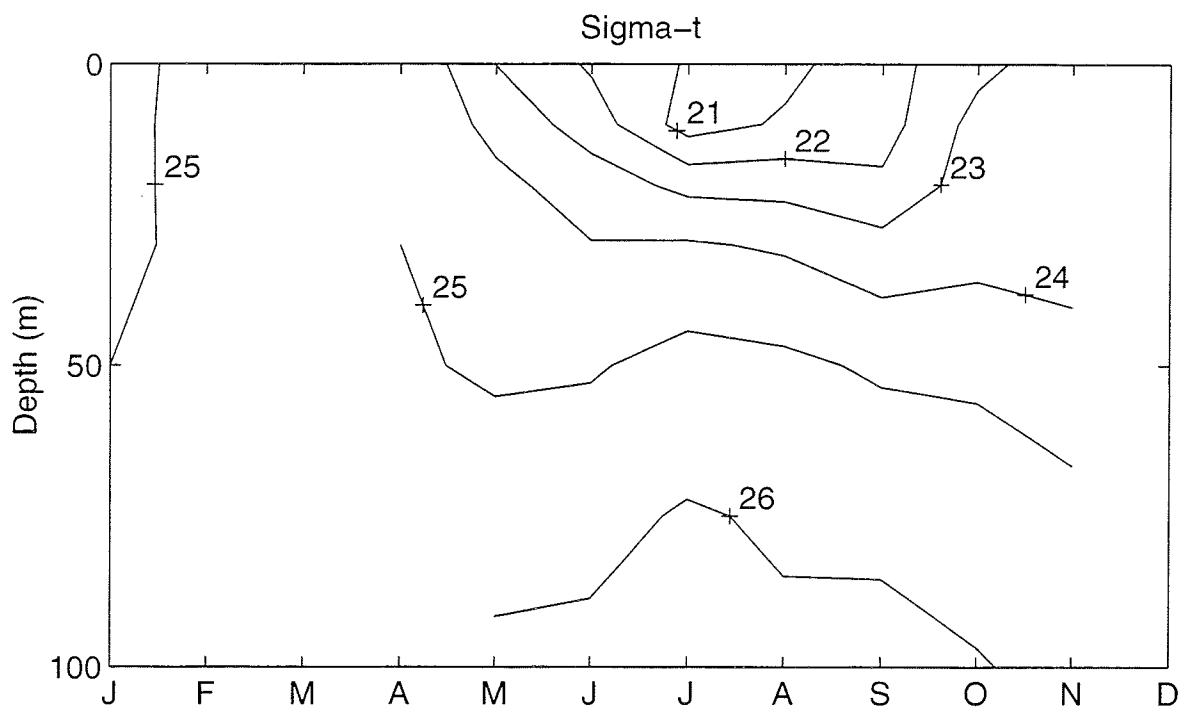
MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	24.75	25.24		24.93	22.98	21.85	20.67	20.74	21.62	22.73	23.61	
	0.16	-99.00		0.31	0.82	1.28	0.62	0.54	0.59	0.74	-99.00	
	6	3		3	75	97	29	100	206	35	1	
10	24.70	25.35		24.92	23.69	22.51	20.56	21.14	21.60	23.37	23.63	
	0.18	-99.00		0.29	0.48	0.95	1.12	0.62	0.71	0.76	0.04	
	3	2		4	28	41	21	55	265	23	2	
20	24.72	25.32		24.96	24.25	23.52	22.72	22.65	22.18	23.52	23.57	
	0.18	-99.00		0.28	0.45	0.54	1.32	0.76	0.84	0.82	0.12	
	2	3		4	24	36	23	55	263	17	3	
30	24.73	25.29		25.00	24.23	24.04	24.10	23.88	23.34	23.65	23.70	
	0.18	-99.00		0.27	0.47	0.50	0.82	0.98	0.95	0.83	0.21	
	2	3		5	16	29	22	50	236	9	3	
50	25.00	25.41		25.20	24.78	24.90	25.36	25.21	24.86	24.80	24.28	
	0.43	-99.00		0.38	0.63	0.45	0.44	0.52	0.53	0.40	0.31	
	4	1		5	12	18	7	35	202	9	3	
75				25.14	25.84	25.76	26.08	25.90	25.82	25.60	25.36	
				-99.00	0.21	0.36	0.06	0.22	0.20	0.68	0.25	
				1	6	19	5	24	62	10	2	
100					26.08	26.20	26.68	26.15	26.25	26.06	25.76	
					-99.00	0.19	-99.00	0.23	0.24	0.13	-99.00	
					1	5	1	6	18	2	1	

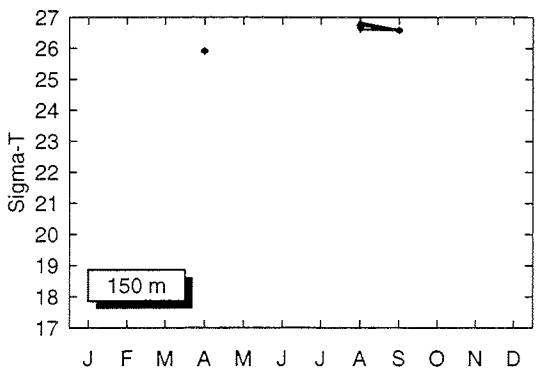
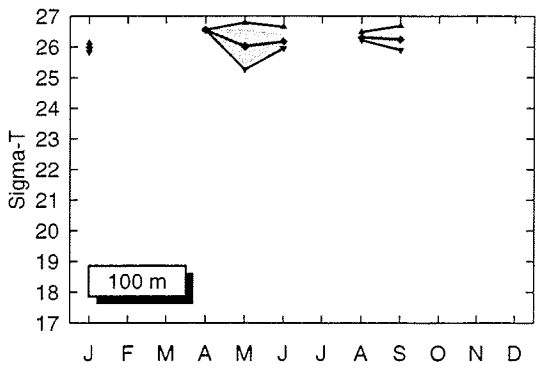
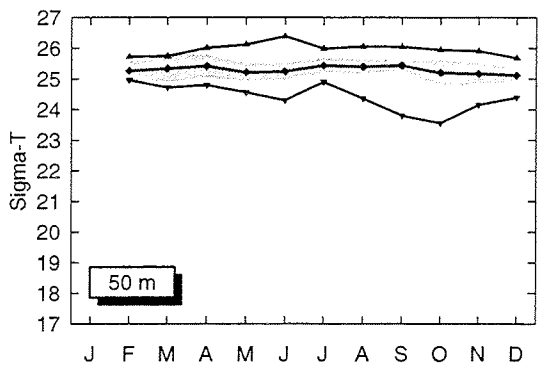
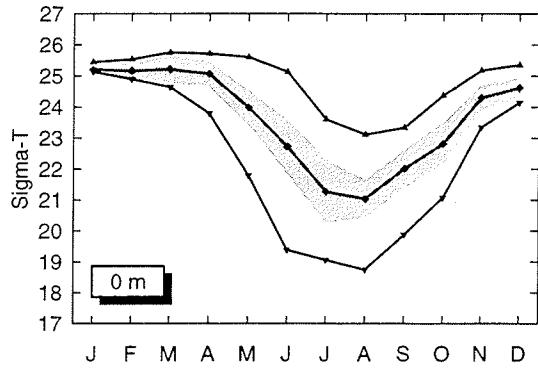
Statistics: SHEDIAC VALLEY



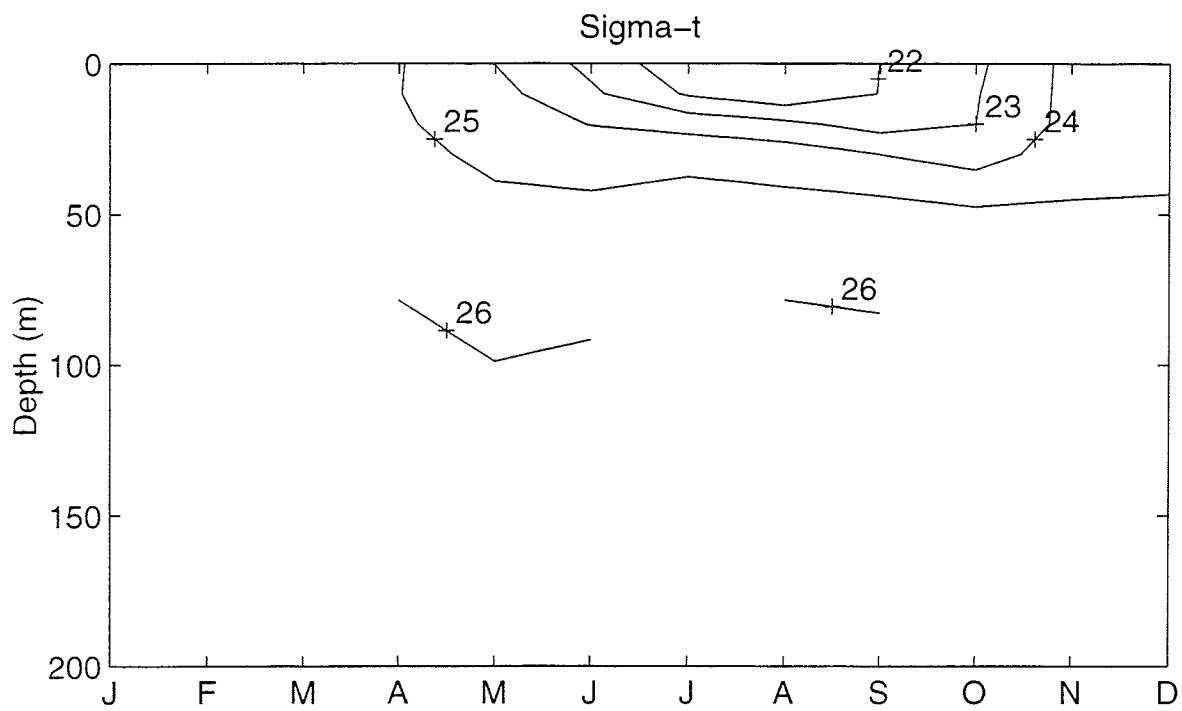
Vertical Structure (Monthly Means): SHEDIAC VALLEY



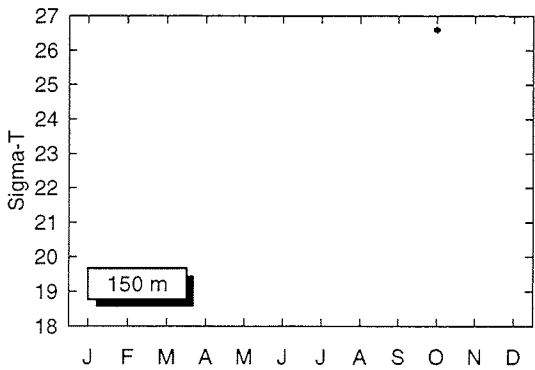
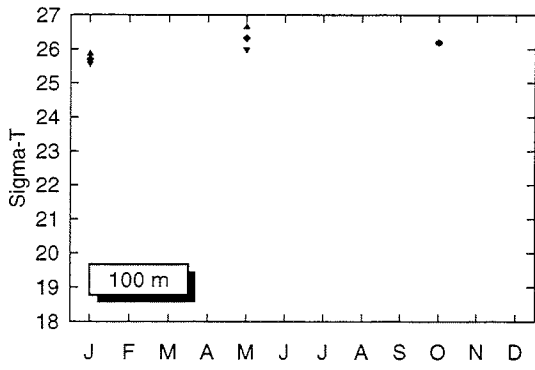
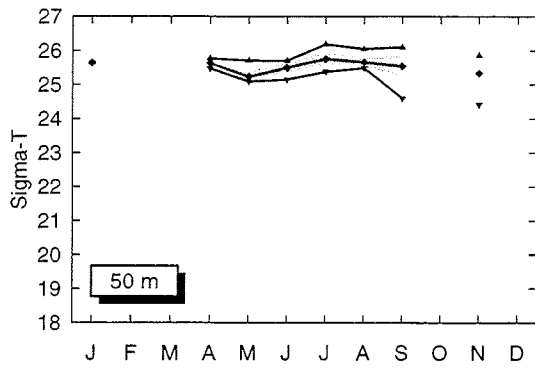
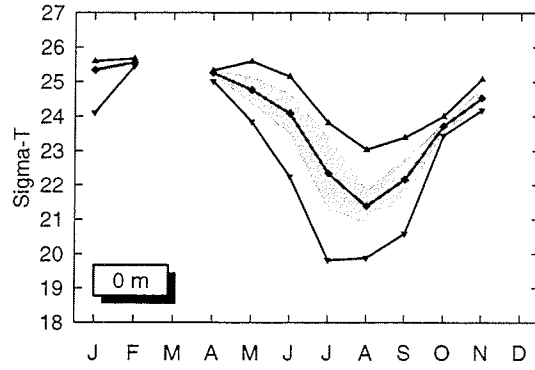
Statistics: NW MAGDALEN SHALLOWS



Vertical Structure (Monthly Means): NW MAGDALEN SHALLOWS



Statistics: NE MAGDALEN SHALLOWS



Vertical Structure (Monthly Means): NE MAGDALEN SHALLOWS

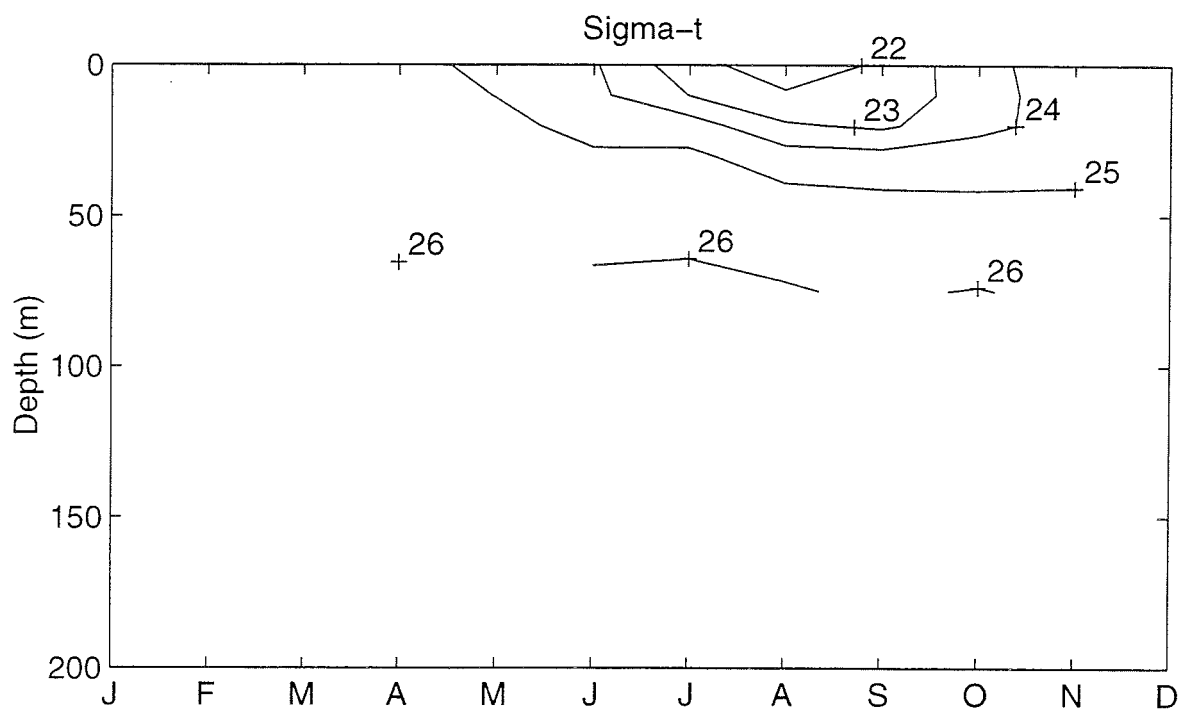
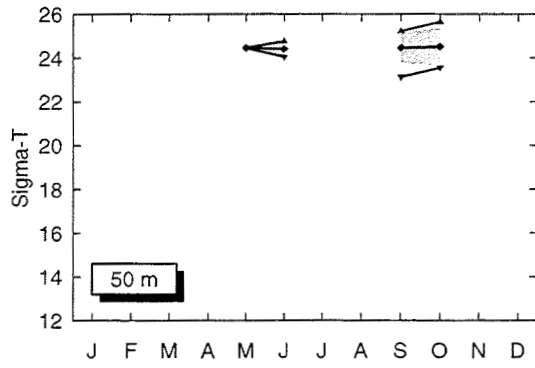
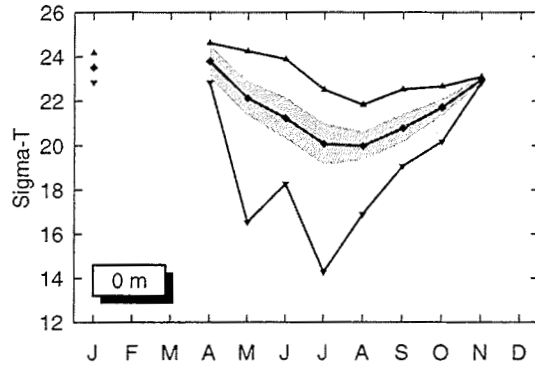


Table 14: SIGMA-T AT SUBAREA 14 W NORTHUMBERLAND STRAIT

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	23.52			23.79	22.13	21.23	20.07	19.98	20.78	21.72	22.97	
	0.52			0.72	0.77	0.94	0.93	0.65	0.65	0.38	0.13	
	9			6	81	146	169	167	292	93	2	
10	23.48			24.46	23.09	22.13	21.09	20.84	20.89	21.81	22.93	
	0.45			0.39	0.67	0.65	0.76	0.71	0.58	0.34	0.15	
	9			7	71	82	170	142	452	98	2	
20	23.39			24.91	23.67	22.78	22.39	21.94	21.56	22.03	23.01	
	0.54			-99.00	0.61	0.63	0.70	0.61	0.57	0.28	0.08	
	6			1	65	79	188	146	355	66	2	
30					23.90	24.38	24.07	23.32	22.87	22.91	23.38	
					1.28	0.24	0.22	0.46	0.97	0.45	-99.00	
					14	10	13	47	152	8	1	
50					24.46	24.41			24.46	24.52		
					-99.00	0.36			0.68	0.86		
					4	2			13	3		

Statistics: W NORTHUMBERLAND STRAIT



Vertical Structure (Monthly Means): W NORTHUMBERLAND STRAIT

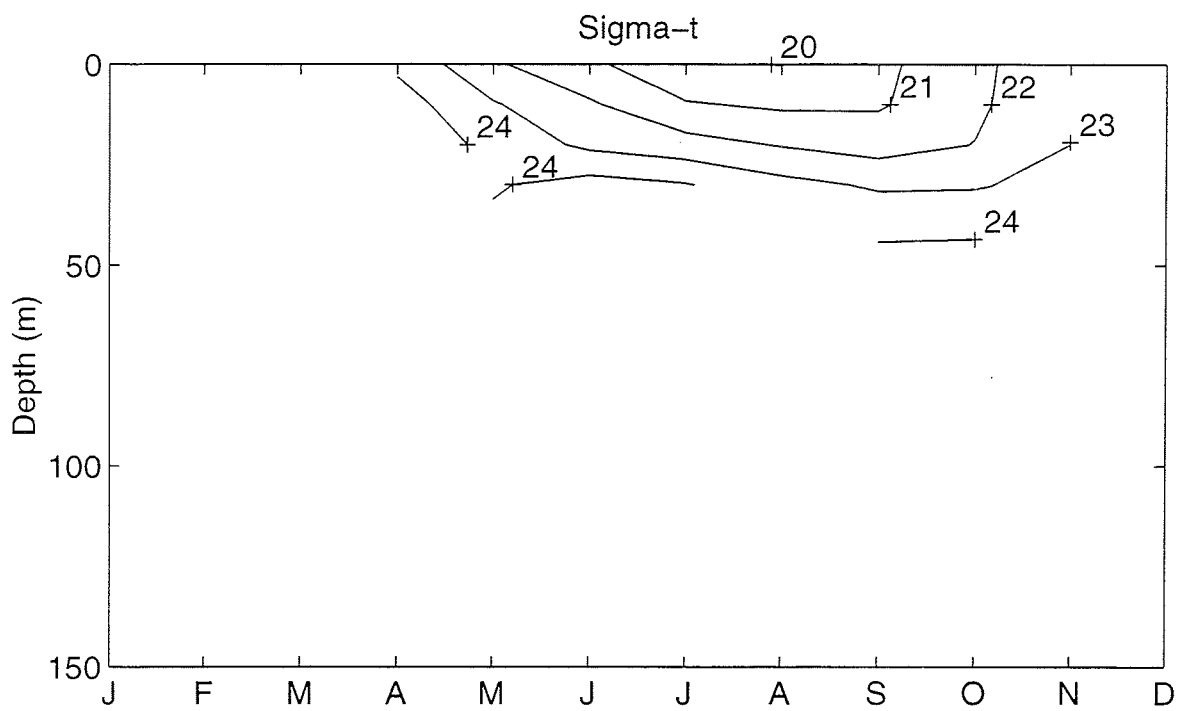
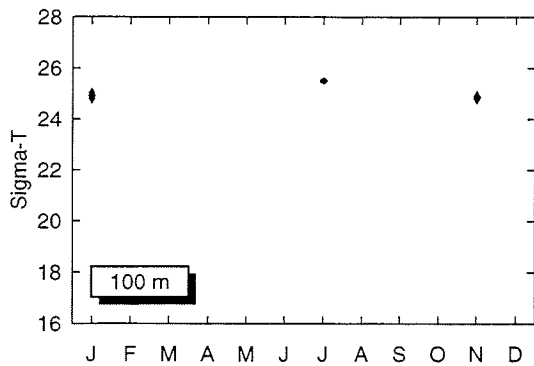
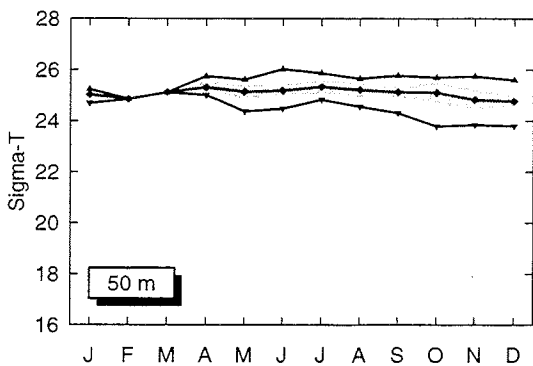
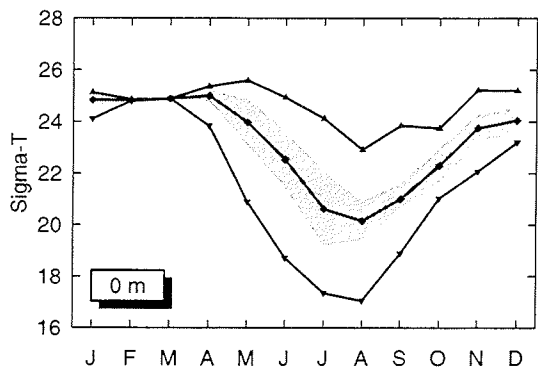


Table 15: SIGMA-T AT SUBAREA 15 S MAGDALEN SHALLOWS

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	24.83	24.83	24.89	25.00	23.98	22.54	20.62	20.16	21.00	22.31	23.75	24.06
	0.32	-99.00	-99.00	0.21	0.89	1.10	1.43	0.76	0.58	0.65	0.53	0.49
	8	2	1	14	240	427	194	332	495	72	71	22
10	24.79	24.85	24.87	25.06	24.26	22.80	21.23	20.56	20.93	22.32	23.72	24.08
	0.30	-99.00	-99.00	0.21	0.94	0.98	1.23	0.93	0.47	0.62	0.52	0.46
	15	3	1	21	80	340	249	247	843	79	85	43
20	24.81	24.86	24.87	25.11	24.46	23.60	22.91	22.58	21.71	22.41	23.75	24.10
	0.30	-99.00	-99.00	0.22	0.71	0.83	1.03	0.75	0.74	0.61	0.49	0.48
	15	2	1	21	80	318	268	250	922	72	102	42
30	24.84	24.86	24.90	25.12	24.59	24.17	23.98	23.88	23.51	22.95	23.91	24.08
	0.26	-99.00	-99.00	0.21	0.67	0.91	0.89	0.80	0.97	0.78	0.45	0.44
	14	2	1	21	56	201	141	197	906	54	125	39
50	25.03	24.86	25.12	25.31	25.14	25.19	25.34	25.22	25.13	25.11	24.83	24.77
	0.16	-99.00	-99.00	0.22	0.24	0.22	0.26	0.26	0.19	0.39	0.41	0.20
	6	4	1	18	42	107	83	103	530	23	132	54
75	24.99					25.25	25.51	25.84	24.68		24.71	
	-99.00					0.04	0.01	-99.00	-99.00		0.10	
	2					2	2	2	1		2	
100	24.91						25.50				24.86	
	0.16						-99.00				0.13	
	4						1				2	

Statistics: S MAGDALEN SHALLOWS



Vertical Structure (Monthly Means): S MAGDALEN SHALLOWS

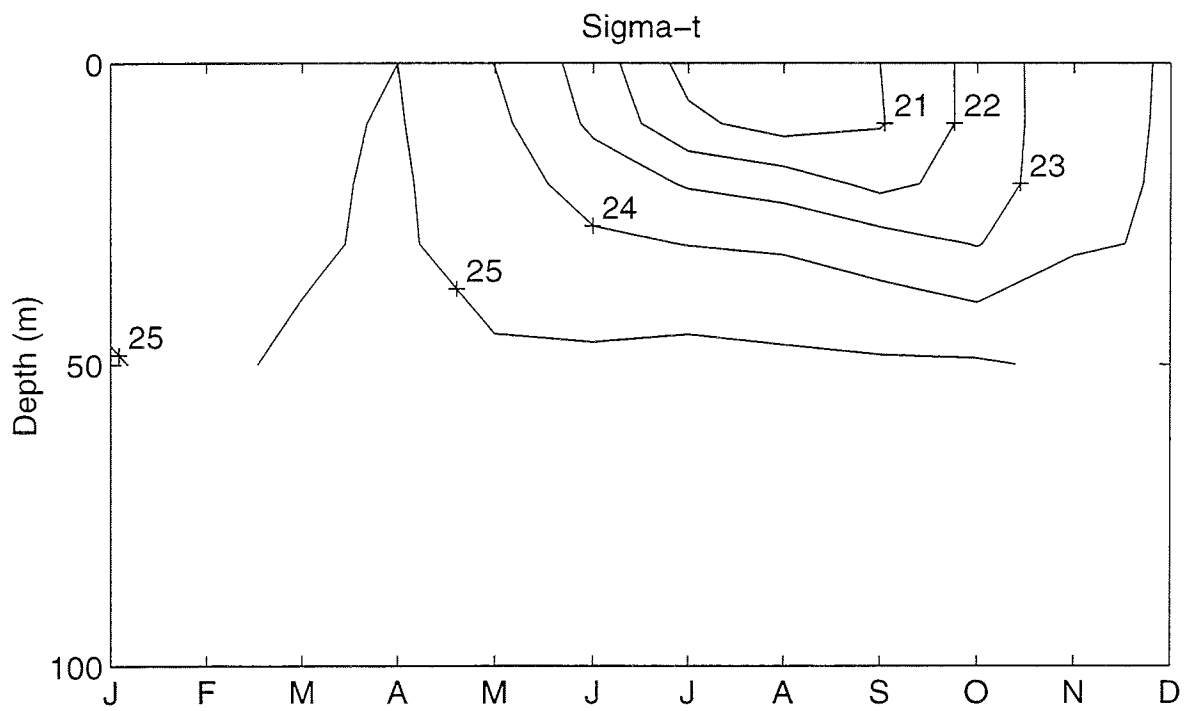
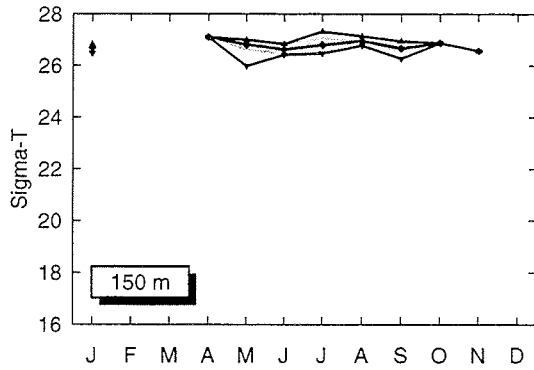
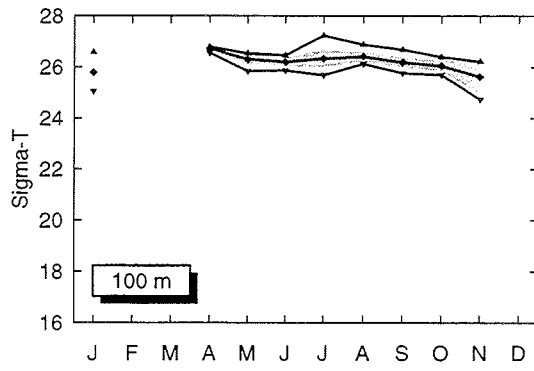
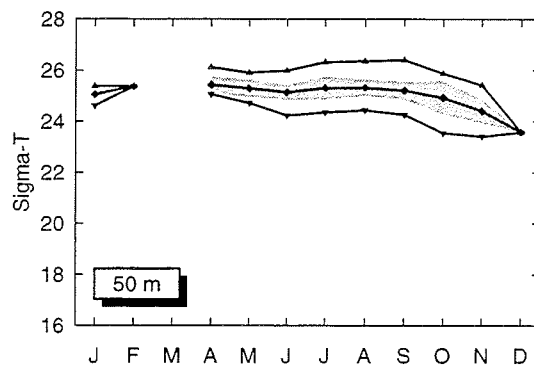
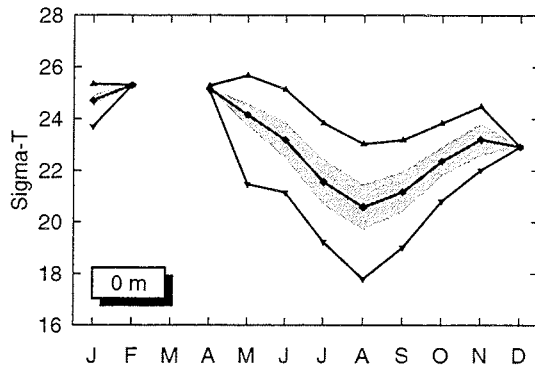


Table 16: SIGMA-T AT SUBAREA 16 CAPE BRETON CHANNEL

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	24.71	25.30		25.15	24.15	23.18	21.56	20.58	21.17	22.36	23.21	22.92
	0.23	-99.00		0.05	0.44	0.70	0.90	0.89	0.80	0.57	0.63	-99.00
	7	1		4	197	226	99	345	329	53	21	1
10	24.77	25.37		25.19	24.40	23.43	21.97	21.05	21.24	22.28	23.37	23.12
	0.23	-99.00		0.07	0.56	0.61	0.98	0.84	0.66	0.59	0.53	-99.00
	13	1		14	41	85	156	359	586	26	28	1
20	24.82	25.40		25.33	24.83	24.22	22.73	22.84	22.16	22.51	23.52	23.21
	0.20	-99.00		0.18	0.47	0.43	1.43	0.65	0.69	0.67	0.57	-99.00
	17	1		15	44	83	248	420	602	29	29	1
30	24.87	25.38		25.38	24.92	24.59	24.14	24.25	23.63	23.41	23.66	23.28
	0.14	-99.00		0.21	0.50	0.45	0.86	0.51	0.68	0.66	0.53	-99.00
	13	1		10	38	61	200	348	569	27	24	1
50	25.06	25.37		25.43	25.30	25.14	25.31	25.32	25.21	24.93	24.41	23.58
	0.09	-99.00		0.31	0.34	0.29	0.44	0.32	0.35	0.65	0.46	-99.00
	11	1		11	34	43	100	143	427	23	24	1
75	25.71	25.44		26.01	25.89	25.72	26.04	26.02	25.84	25.60	25.37	
	0.65	-99.00		-99.00	0.15	0.44	0.20	0.08	0.19	0.16	0.65	
	12	1		7	12	11	38	46	75	6	6	
100	25.79			26.72	26.31	26.20	26.33	26.41	26.18	26.05	25.62	
	0.60			-99.00	0.20	0.17	0.32	0.18	0.19	0.20	0.64	
	11			7	13	8	72	41	85	11	3	
150	26.68			27.10	26.82	26.63	26.80	26.96	26.67	26.88	26.57	
	0.14			-99.00	0.24	0.21	0.33	-99.00	0.20	-99.00	-99.00	
	5			1	6	2	18	2	20	1	1	

Statistics: CAPE BRETON CHANNEL



Vertical Structure (Monthly Means): CAPE BRETON CHANNEL

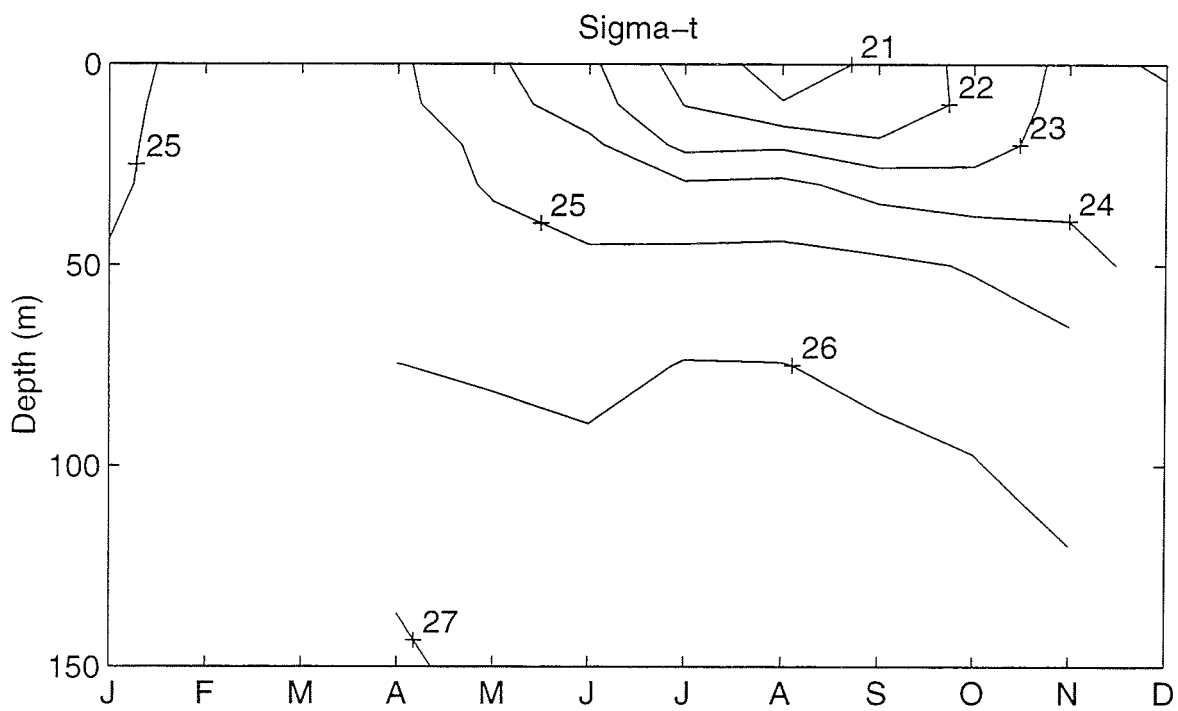
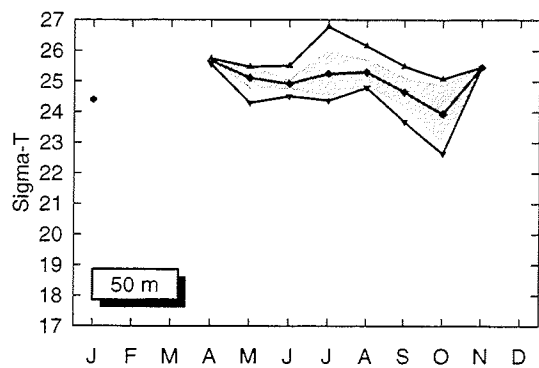
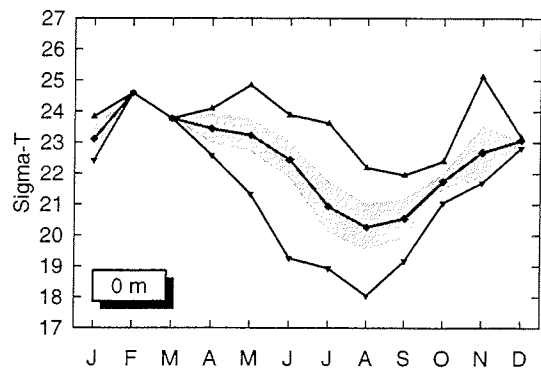


Table 17: SIGMA-T AT SUBAREA 17 E NORTHUMBERLAND STRAIT

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	23.11	24.60	23.78	23.45	23.24	22.45	20.93	20.26	20.55	21.75	22.69	23.07
	0.41	-99.00	-99.00	0.48	0.53	0.60	0.83	0.76	0.64	0.25	0.85	-99.00
	51	1	1	9	110	260	179	202	280	48	66	6
10	23.17		23.74	23.85	23.68	22.63	21.49	20.78	20.55	21.72	22.84	23.17
	0.41		-99.00	0.39	0.62	0.66	1.06	0.58	0.42	0.20	0.84	-99.00
	64		1	18	67	92	257	235	493	48	65	3
20	23.22		23.74	24.13	23.81	23.67	22.52	21.92	21.14	21.80	22.93	23.18
	0.40		-99.00	0.20	0.58	0.49	0.88	0.78	0.35	0.20	0.85	-99.00
	104		1	24	61	86	304	231	473	49	73	2
30	23.43			24.60	24.14	24.05	23.25	23.45	22.15	22.12	23.08	23.06
	0.28			0.22	0.66	0.75	0.73	0.65	0.77	0.51	0.84	-99.00
	90			12	37	68	205	132	369	38	73	6
50	24.40			25.67	25.11	24.92	25.25	25.30	24.65	23.94	25.46	
	-99.00			-99.00	0.35	0.16	0.76	0.43	0.49	0.97	-99.00	
	1			3	13	16	7	9	43	6	1	

Statistics: E NORTHUMBERLAND STRAIT



Vertical Structure (Monthly Means): E NORTHUMBERLAND STRAIT

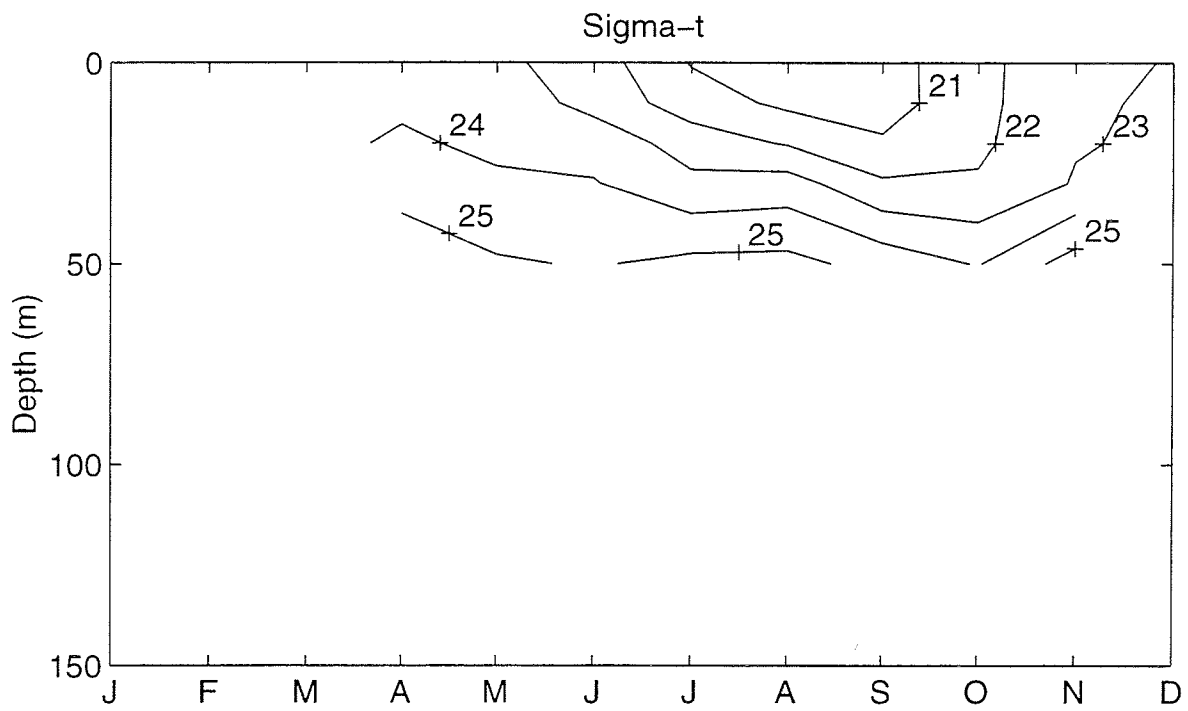
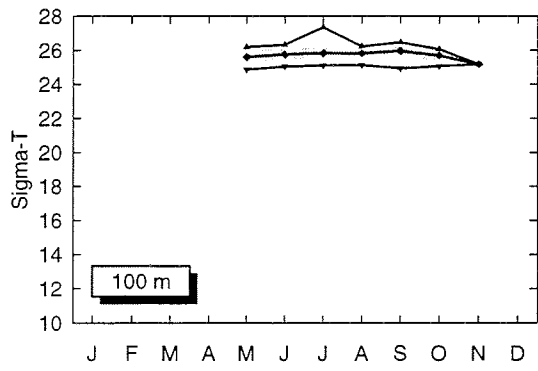
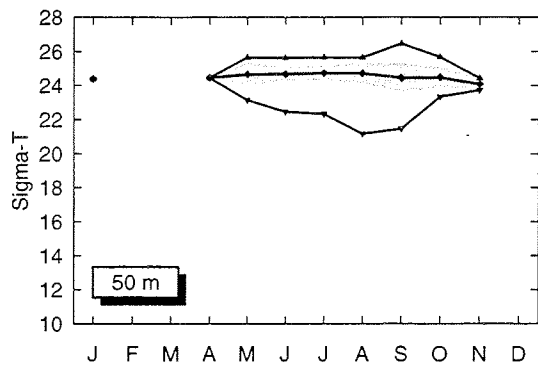
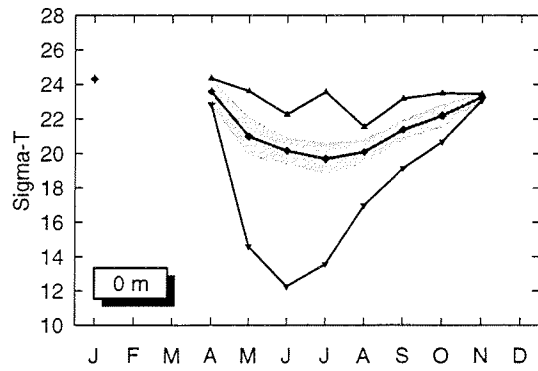


Table 18: SIGMA-T AT SUBAREA 18 BAIE DES CHALEURS

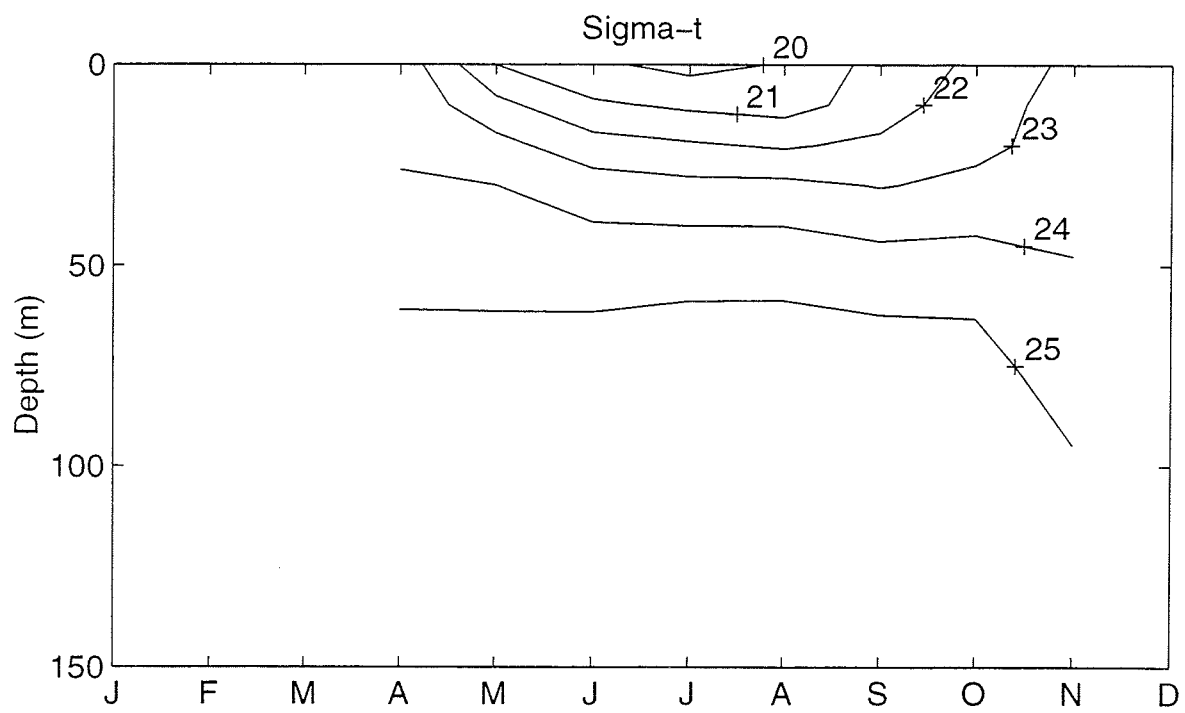
MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	24.31			23.59	20.99	20.16	19.69	20.09	21.37	22.20	23.26	
	-99.00			0.76	1.13	0.78	0.91	0.74	0.58	0.68	0.19	
	3			2	110	231	236	268	290	135	2	
10	24.33			23.72	22.28	21.14	20.81	20.60	21.47	22.65	23.33	
	-99.00			-99.00	1.04	0.57	0.82	0.60	0.64	0.40	0.19	
	3			1	93	237	259	215	313	146	2	
20	24.37			23.92	23.31	22.40	22.12	21.88	22.23	22.79	23.36	
	-99.00			-99.00	0.89	0.38	0.73	0.59	0.99	0.45	0.18	
	2			1	89	201	233	198	324	106	2	
30	24.39			24.05	24.00	23.43	23.24	23.25	22.95	23.21	23.39	
	-99.00			-99.00	0.49	0.46	0.44	0.67	0.91	0.49	0.16	
	2			1	62	167	186	166	331	69	2	
50	24.39			24.45	24.66	24.67	24.74	24.72	24.45	24.48	24.08	
	-99.00			-99.00	0.70	0.40	0.41	0.61	0.84	0.61	0.35	
	1			1	32	85	90	99	219	30	2	
75	24.77			25.70	25.40	25.38	25.47	25.52	25.56	25.46	24.35	
	-99.00			-99.00	0.45	0.36	0.26	0.31	0.29	0.46	-99.00	
	1			1	21	44	62	73	98	14	1	
100					25.61	25.76	25.83	25.82	25.95	25.69	25.17	
					0.37	0.34	0.31	0.19	0.27	0.37	-99.00	
					9	24	35	44	56	10	1	

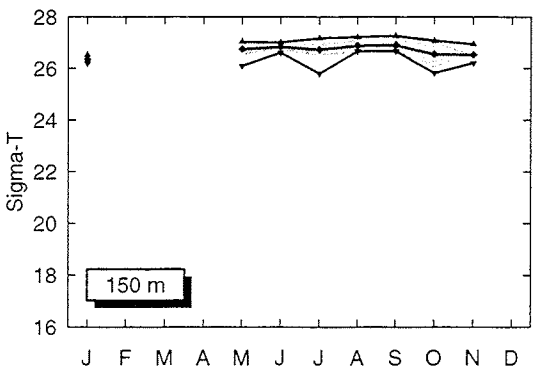
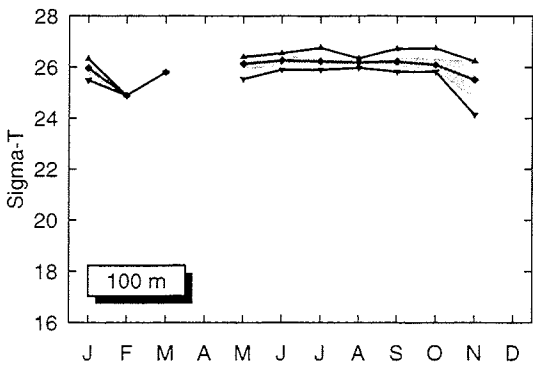
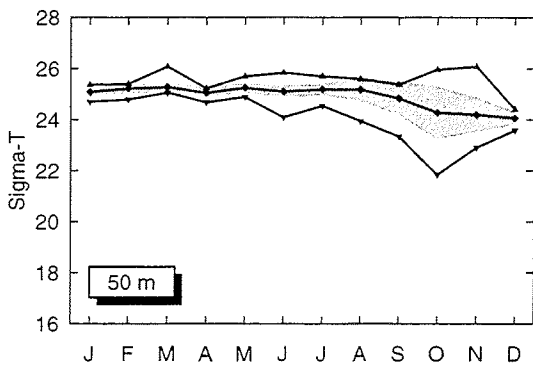
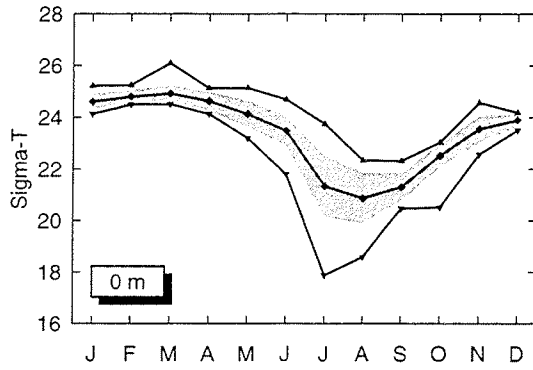
Statistics: BAIE DES CHALEURS



Vertical Structure (Monthly Means): BAIE DES CHALEURS



Statistics: CABOT STRAIT WEST



Vertical Structure (Monthly Means): CABOT STRAIT WEST

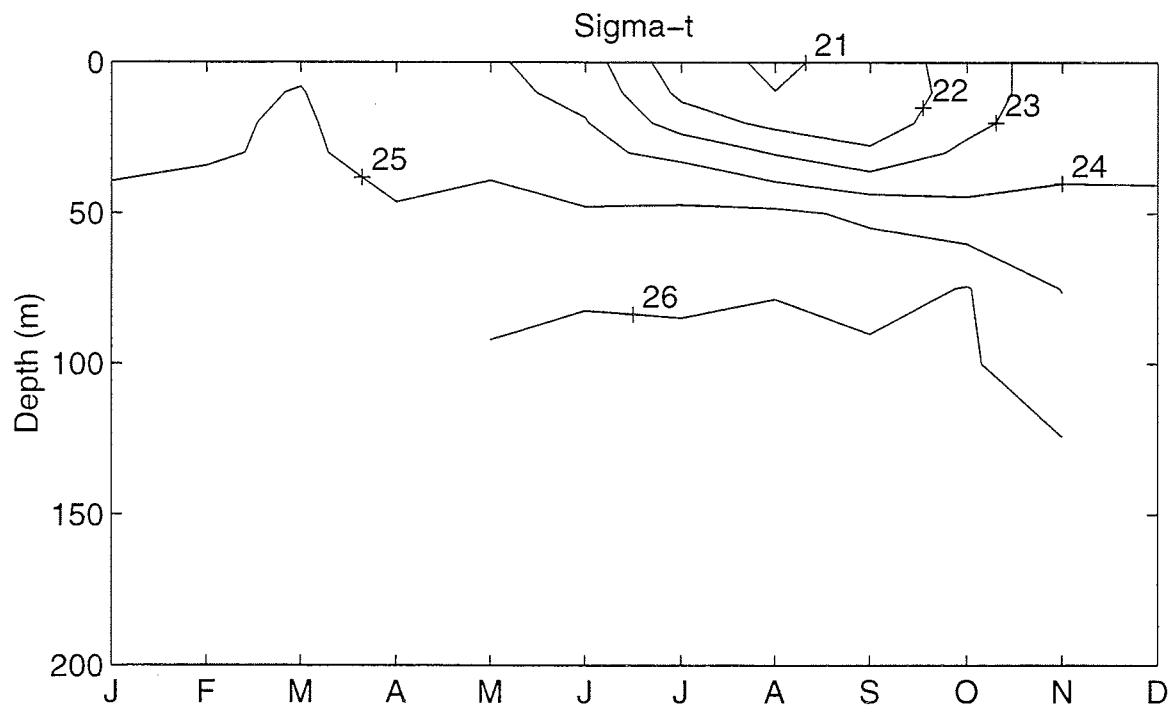
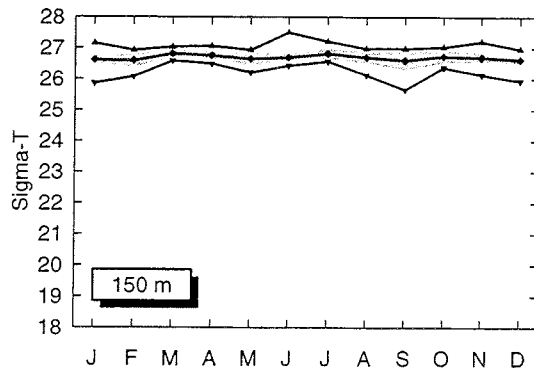
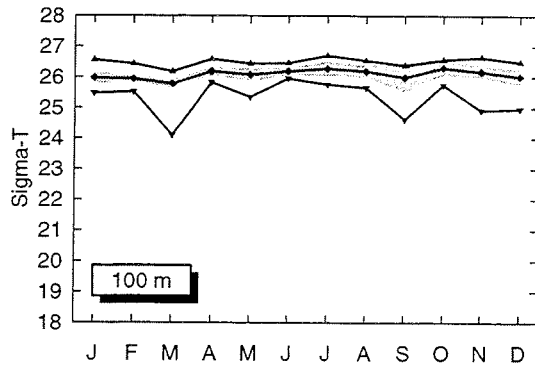
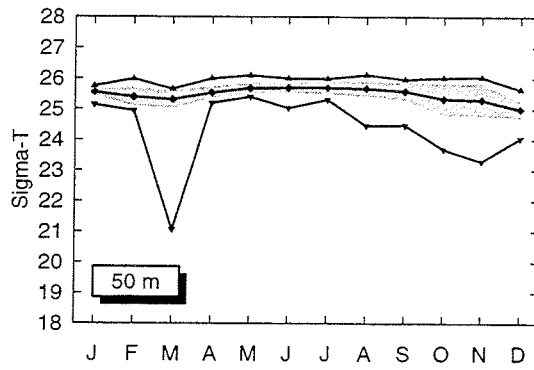
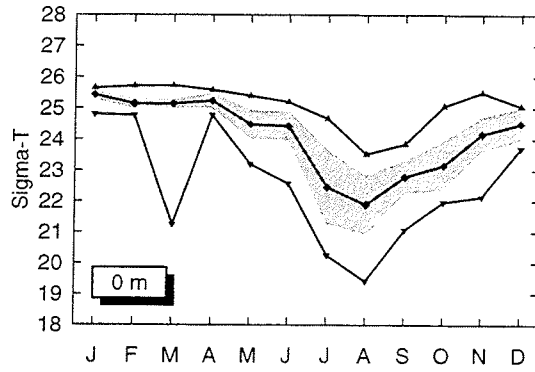


Table 67: SIGMA-T AT SUBAREA 67 CABOT STRAIT CENTRAL

MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	25.43	25.14	25.14	25.24	24.48	24.43	22.45	21.90	22.79	23.16	24.17	24.50
	0.15	0.15	0.13	0.25	0.46	0.46	1.19	0.95	0.54	0.80	0.56	0.52
	21	8	34	20	49	57	35	62	16	15	86	17
10	25.31	25.19	25.11	25.34	24.99	24.54	23.06	22.40	22.90	23.59	24.29	24.25
	0.18	0.06	0.18	0.20	0.33	0.45	0.90	0.97	0.44	0.75	0.54	0.55
	24	6	41	36	58	50	31	52	15	43	112	32
20	25.35	25.38	25.32	25.40	25.26	24.96	24.21	23.68	23.48	23.91	24.39	24.42
	0.14	0.26	0.16	0.17	0.21	0.39	0.82	0.78	0.80	0.63	0.53	0.41
	28	5	29	36	54	52	32	51	14	35	136	33
30	25.43	25.30	25.20	25.42	25.42	25.28	24.78	25.00	24.15	24.04	24.55	24.60
	0.13	0.10	0.25	0.17	0.16	0.29	0.68	0.47	1.43	0.76	0.47	0.18
	30	4	24	30	53	49	34	49	15	24	150	40
50	25.55	25.39	25.31	25.53	25.68	25.69	25.69	25.67	25.58	25.33	25.30	24.99
	0.12	0.30	0.28	0.20	0.18	0.15	0.20	0.25	0.28	0.52	0.52	0.27
	40	7	26	30	46	50	29	44	14	44	186	67
75	25.66	25.84	25.52	25.86	25.82	25.94	26.04	25.95	25.67	26.00	25.87	25.67
	0.11	0.06	0.18	0.13	0.29	0.09	0.12	0.22	0.80	0.27	0.32	0.23
	43	4	40	31	34	45	26	38	12	28	184	58
100	25.97	25.94	25.78	26.19	26.08	26.19	26.28	26.20	25.99	26.31	26.18	26.02
	0.19	0.09	0.13	0.13	0.21	0.12	0.23	0.19	0.46	0.23	0.20	0.25
	81	7	73	54	52	48	39	42	16	75	284	108
150	26.61	26.58	26.81	26.75	26.64	26.69	26.81	26.70	26.60	26.73	26.70	26.63
	0.12	0.20	0.15	0.11	0.20	0.10	0.16	0.17	0.31	0.20	0.14	0.10
	97	6	53	45	49	45	30	45	15	76	294	122
200	26.96	27.12	27.15	27.10	27.04	27.04	27.12	27.05	26.97	26.98	27.03	27.01
	0.08	-99.0	0.11	0.09	0.08	0.08	0.11	0.13	0.31	0.21	0.12	0.09
	77	5	40	41	42	44	25	28	15	6	238	112
250	27.23	27.30	27.26	27.28	27.22	27.26	27.30	27.16	27.32	27.31	27.24	27.22
	0.05	0.07	0.02	0.10	0.08	0.09	0.08	0.24	0.02	0.09	0.09	0.05
	51	3	27	25	32	35	16	21	8	4	174	84
300	27.38	27.45	27.47	27.40	27.39	27.37	27.45	27.37	27.25	27.42	27.36	27.33
	0.04	0.13	0.11	0.07	0.04	0.06	0.06	0.11	0.37	0.05	0.08	0.06
	78	3	15	34	50	39	26	32	11	6	256	127
400	27.52	27.50	27.52	27.54	27.53	27.54	27.59	27.54	27.58	27.61	27.53	27.51
	0.04	0.06	-99.00	0.04	0.01	0.03	0.08	0.07	0.03	0.06	0.06	0.02
	23	2	13	19	14	18	10	23	7	3	75	60
500					27.59			27.54				
					-99.00			-99.00				
					1			1				

Statistics: CABOT STRAIT CENTRAL



Vertical Structure (Monthly Means): CABOT STRAIT CENTRAL

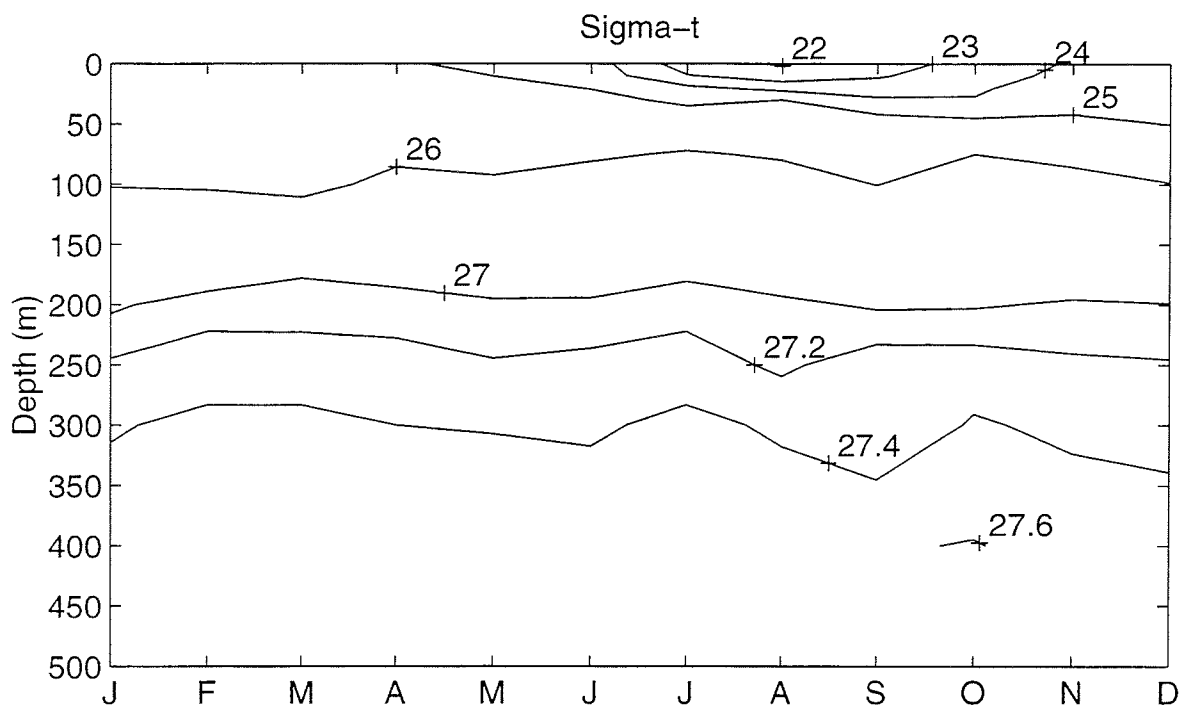
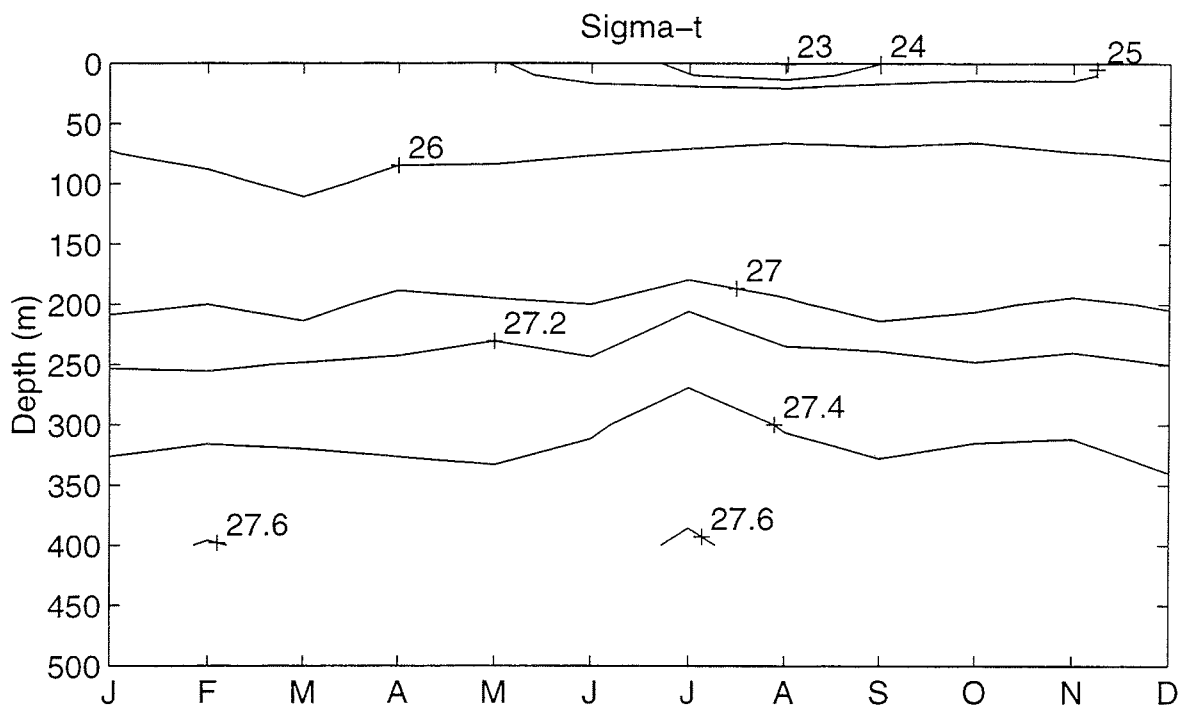


Table 68: SIGMA-T AT SUBAREA 68 CABOT STRAIT EAST

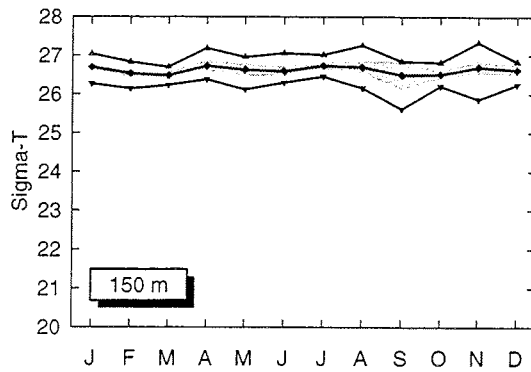
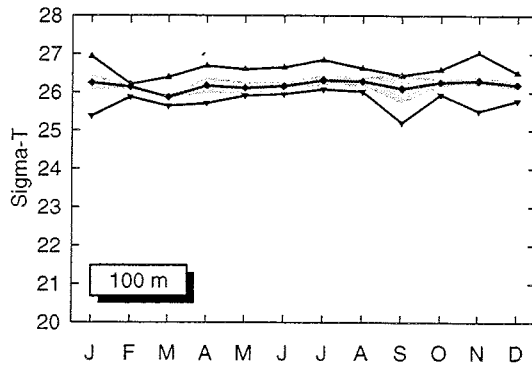
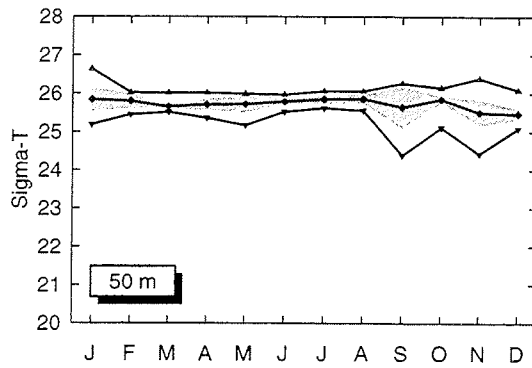
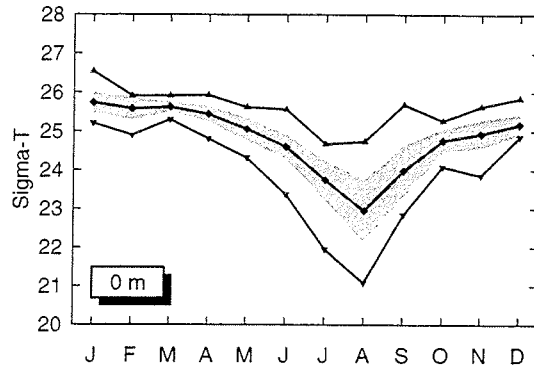
MEAN, S.D., NO. OF OBSERVATIONS

DEPTH(M)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	25.74	25.58	25.62	25.44	25.06	24.60	23.74	22.95	23.99	24.76	24.94	25.18
	0.26	0.28	0.13	0.20	0.29	0.30	0.51	0.79	0.65	0.30	0.35	0.26
	25	7	57	20	38	42	30	46	20	9	75	10
10	25.80	25.57	25.57	25.45	25.14	24.79	24.03	23.49	24.46	24.87	24.97	25.10
	0.37	0.35	0.06	0.10	0.27	0.29	0.57	0.94	0.63	0.12	0.33	0.24
	39	5	107	39	128	41	33	49	17	10	84	16
20	25.80	25.66	25.60	25.47	25.30	25.10	25.09	24.96	25.25	25.20	25.04	25.14
	0.34	0.27	0.07	0.13	0.25	0.27	0.31	0.47	0.38	0.29	0.34	0.22
	45	6	102	40	123	47	33	43	20	13	107	14
30	25.74	25.74	25.58	25.51	25.44	25.43	25.46	25.49	25.37	25.56	25.16	25.38
	0.26	0.25	0.07	0.13	0.25	0.21	0.25	0.19	0.64	0.26	0.31	0.31
	47	5	76	35	109	42	28	40	20	9	139	26
50	25.84	25.80	25.65	25.71	25.72	25.79	25.85	25.86	25.65	25.85	25.51	25.47
	0.31	0.18	0.07	0.14	0.21	0.08	0.11	0.10	0.55	0.08	0.33	0.14
	43	5	54	30	78	42	25	37	18	9	158	40
75	26.02	25.85	25.74	25.89	25.94	25.99	26.03	26.08	26.11	26.09	26.03	25.95
	0.29	0.22	0.06	0.13	0.15	0.07	0.11	0.11	0.11	0.06	0.22	0.15
	49	3	59	29	73	38	24	35	18	6	151	37
100	26.25	26.14	25.87	26.17	26.11	26.16	26.32	26.29	26.10	26.26	26.30	26.19
	0.20	0.05	0.03	0.21	0.16	0.10	0.13	0.11	0.38	0.09	0.12	0.10
	102	6	86	42	106	41	27	33	15	9	239	59
150	26.70	26.53	26.48	26.73	26.63	26.59	26.74	26.70	26.50	26.51	26.70	26.63
	0.07	0.09	0.10	0.13	0.16	0.13	0.09	0.15	0.36	0.11	0.16	0.12
	100	6	74	48	118	37	24	33	17	6	268	67
200	26.96	27.00	26.92	27.08	27.04	27.00	27.18	27.04	26.89	26.97	27.04	26.98
	0.08	0.01	0.11	0.08	0.12	0.10	0.09	0.06	0.41	0.14	0.12	0.11
	98	5	74	56	115	38	26	26	15	6	224	75
250	27.19	27.18	27.21	27.22	27.30	27.23	27.35	27.27	27.29	27.21	27.24	27.20
	0.07	0.10	0.08	0.10	0.06	0.10	0.08	0.06	0.09	0.07	0.09	0.05
	64	2	47	18	59	21	16	19	7	7	117	25
300	27.35	27.36	27.36	27.36	27.34	27.38	27.48	27.39	27.33	27.37	27.38	27.32
	0.04	0.04	0.06	0.07	0.10	0.05	0.09	0.10	0.10	0.04	0.09	0.05
	78	2	34	23	132	24	32	27	16	3	185	67
400	27.54	27.61	27.56	27.51	27.52	27.55	27.62	27.55	27.58	27.57	27.55	27.52
	0.02	0.02	0.03	0.10	0.05	0.03	0.11	0.07	0.07	0.03	0.06	0.03
	29	2	30	15	47	20	11	23	11	2	80	57
500	27.55							27.59	27.58	27.54		
	0.02							0.02	-99.00	-99.00		
	2							7	2	1		

Vertical Structure (Monthly Means): CABOT STRAIT EAST



Statistics: CABOT STRAIT EAST



Appendix A
Number of years for which data are available by subarea, month and depth

Area 1: NW Cabot Strait

Temperature												
Depth (m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	6	4		7	22	23	18	19	29	13	21	1
10	6	3		4	18	20	16	17	28	9	15	1
20	5	4		6	20	21	16	18	29	10	18	1
30	6	4		7	21	20	16	17	30	10	20	1
50	6	4		6	22	20	15	17	29	11	20	1
75	6	4		6	20	18	16	18	26	10	15	1
100	6	4		7	21	18	14	18	29	8	20	1
150	6	3		5	20	16	8	16	24	6	16	1
200	6	3		4	16	10	7	16	19	5	14	
250	5	3		3	18	10	5	12	11	5	9	
300	3	3		2	5	6	5	8	11	3	4	
400	3	2		2	3	4	3	7	3		4	
500	1				2	1	1	2			2	
Salinity												
Depth (m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	5	2		5	16	14	7	15	17	4	9	
10	3			3	5	8	4	6	16	1	6	
20	2			5	7	9	3	7	16	1	7	
30	3			5	7	8	4	7	16	1	7	
50	3			4	7	9	4	7	15	1	7	
75	3	1		3	7	8	3	7	13		4	
100	4	2		4	10	8	3	8	16	1	7	
150	4			3	7	8	2	7	13	2	7	
200	4	1		3	4	5	1	4	14	1	5	
250	4	1		3	4	2	1	3	6		1	
300	3	2		3	3	3	1	4	7		3	
400	3	1		2	2	2	2	4	3		3	
500	1				2	1	1	1			2	

Area 2: NE Cabot Strait

Temperature												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	19	12	7	10	23	22	21	26	23	17	39	12
10	15	9	6	9	22	19	21	24	21	15	34	9
20	12	10	6	10	23	20	21	26	22	15	36	9
30	14	10	5	10	23	20	21	26	23	17	37	10
50	16	12	7	8	22	21	20	24	22	17	38	10
75	17	11	7	8	22	18	19	24	19	15	38	10
100	19	11	6	10	22	17	19	25	22	18	38	11
150	17	11	7	10	19	14	13	21	15	16	36	11
200	17	10	6	9	21	13	13	22	16	14	35	9
250	14	10	6	10	18	13	12	17	11	12	31	9
300	13	8	4	10	13	11	11	13	15	7	34	8
400	10	6	4	8	10	9	10	11	13	3	29	6
500	5				4	2		2	3	2	2	
Salinity												
Depth (m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	7	3	4	8	16	17	11	20	13	8	33	5
10	7	3	4	8	10	13	10	13	12	9	32	5
20	7	3	4	9	10	14	10	15	12	7	33	5
30	7	3	3	9	10	14	10	15	13	7	33	5
50	6	3	4	7	10	14	10	15	13	9	34	5
75	7	3	4	6	10	10	9	15	11	5	34	5
100	7	3	4	9	11	11	9	15	12	9	33	5
150	7	3	4	8	10	11	8	12	9	8	31	5
200	7	3	4	8	10	10	9	12	10	7	28	4
250	6	2	4	7	6	7	6	10	6	7	25	4
300	6	2	3	9	8	10	8	10	9	6	27	4
400	7	2	3	7	7	7	6	8	8	3	23	4
500	4				3	2		2	2	1		

Area 3: E Esquiman Channel

Temperature												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec
0	15	8	4	7	17	24	27	27	27	19	35	5
10	11	6	3	7	16	21	26	24	26	17	31	5
20	13	4	3	7	16	23	27	27	25	16	26	6
30	13	5	3	7	16	23	27	27	26	18	31	6
50	15	6	4	7	16	24	26	26	25	17	33	6
75	15	7	3	7	13	20	21	23	23	11	29	6
100	15	6	3	6	14	20	23	22	24	15	31	6
150	11	5	3	6	12	15	17	17	16	12	21	5
200	11	5	3	6	13	14	14	18	18	10	18	3
250	8	5	2	4	12	10	7	13	15	13	15	3
300	8	2	1	2	6	5	4	5	9	8	10	1
400								1				
Salinity												
0	3	2	3	7	12	14	10	15	12	5	22	3
10	4	2	3	7	8	9	11	8	13	6	24	3
20	4	2	3	7	8	11	11	10	13	5	21	4
30	3	2	3	7	8	11	11	10	13	5	24	4
50	4	2	3	7	8	11	11	11	13	5	24	4
75	4	2	3	7	6	8	9	10	10	1	22	3
100	4	2	3	6	7	11	10	10	11	4	24	3
150	3	1	3	6	6	7	8	8	7	3	14	2
200	2	2	3	6	6	4	6	6	9	2	7	
250	2	1	2	4	4	3	2	6	6	2	1	
300	1	1	1	2	3	2		1	4			

Area 4: W Esquiman Channel

Temperature												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	8	4	2	5	11	16	18	20	21	15	31	6
10	6	3	2	5	11	15	17	19	22	9	24	5
20	7	2	2	5	11	16	18	20	22	10	26	5
30	7	2	2	5	10	16	18	20	22	13	28	5
50	7	2	2	4	11	16	17	19	21	12	29	6
75	8	4	2	5	10	14	13	16	17	12	26	6
100	7	4	2	5	11	13	13	17	18	11	29	6
150	7	3	1	5	10	13	8	14	13	9	26	6
200	7	3	1	5	9	12	5	8	11	9	22	6
250	4	3	1	3	6	11	6	6	8	11	24	6
300	2				2	3	3	6	4	2	1	
Salinity												
0	2	2	2	5	5	9	11	8	12	2	24	4
10	3	2	2	5	5	8	10	8	14	3	22	4
20	3	2	2	5	5	8	11	8	14	2	23	4
30	3	2	2	5	5	8	11	8	14	2	24	4
50	2	2	2	4	5	8	10	8	14	3	25	4
75	3	2	2	4	4	7	9	7	11	2	24	4
100	3	2	1	5	4	7	8	6	13	2	25	4
150	3	2	1	4	3	5	6	6	7	2	22	4
200	3	2	1	5	2	4	3	6	5	2	18	4
250	2	1	1	3	2	4	2	5		1	17	4
300								2	2		1	

Area 5: Jacques Cartier Passage

Temperature												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	5	5	2	6	12	19	12	18	14	13	31	5
10	5	4	2	6	12	19	11	18	13	10	24	4
20	4	3	2	6	12	19	12	18	14	10	24	4
30	5	3	2	6	11	19	11	18	14	12	29	5
50	5	4	2	6	12	19	10	17	13	13	29	6
75	5	3	2	6	11	16	10	14	13	10	27	6
100	5	4	2	5	11	17	11	16	12	11	29	6
150	5	4	2	5	10	15	9	15	10	11	25	6
200	5	3	2	4	8	15	9	13	8	8	25	6
250	3	2	1	2	7	11	7	11	4	8	24	5
300	3	2		2	2	3	4	4	1	5	3	
400					1							

Salinity												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	4	3	2	6	8	11	6	12	8	4	26	3
10	4	3	2	6	7	10	6	13	9	6	21	3
20	3	3	2	6	7	10	7	13	9	5	21	3
30	4	3	2	6	7	10	7	13	9	5	25	4
50	4	3	2	6	7	10	7	12	9	6	27	4
75	4	3	2	6	7	8	6	11	8	4	25	4
100	4	3	2	5	7	9	7	10	8	4	26	4
150	4	3	2	4	4	7	6	10	7	3	21	4
200	4	2	1	3	4	7	6	8	4		22	4
250	2	1	1	2	2	3	3	7	2		20	4
300	2	2		2	1		1	2		1	2	

Area 6: NW Gulf

Temperature												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	4	4	2	6	11	16	15	14	13	14	32	6
10	4	5	2	6	11	16	15	14	13	14	29	6
20	4	5	2	6	11	16	15	14	13	14	31	7
30	4	5	2	6	11	16	15	14	13	14	30	7
50	3	5	2	6	11	17	14	14	13	14	32	7
75	4	5	2	6	11	15	12	13	13	14	30	7
100	4	5	2	6	11	17	13	14	13	13	31	7
150	4	5	2	6	11	15	11	12	12	12	28	7
200	4	5	2	6	11	14	10	12	11	11	24	7
250	4	3	2	5	11	12	5	9	8	9	22	7
300	4	2	2	5	10	11	7	8	9	7	22	7
400				1		2		1			2	

Salinity												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	4	3	2	5	10	12	9	11	12	10	28	6
10	4	4	2	5	10	12	9	12	12	9	27	6
20	4	4	2	5	10	12	9	12	12	9	28	7
30	4	4	2	5	10	12	9	12	12	9	28	7
50	3	4	2	5	10	13	9	12	12	9	28	7
75	4	4	2	5	10	11	8	10	12	8	28	7
100	4	4	2	5	10	12	9	11	12	8	28	7
150	4	4	2	5	10	9	9	11	12	8	26	7
200	4	4	2	4	9	8	7	11	11	9	21	7
250	3	2	2	4	7	7	5	6	8	6	21	7
300	4	1	2	4	8	8	6	7	9	5	22	7
400				1		1					2	

Area 7: Estuary

Temperature												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	3	3	3	4	11	16	21	17	17	12	10	5
10	3	3	3	4	11	16	21	17	17	12	8	4
20	3	3	3	4	10	16	21	17	18	12	8	4
30	3	3	3	4	10	16	21	17	16	10	7	4
50	3	3	3	4	10	16	21	16	15	8	8	4
75	3	3	3	4	9	16	17	12	14	8	8	4
100	3	3	3	4	9	16	21	16	16	8	8	4
150	3	3	2	4	8	14	20	16	12	6	8	5
200	3	3	2	4	8	13	18	15	11	7	8	3
250	3	2	2	3	7	12	14	10	9	6	7	2
300	3		1	3	7	12	14	10	6	4	4	2
400										1		

Salinity												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	3	2	1	3	8	13	14	12	12	6	5	2
10	3	2	1	3	7	13	14	11	13	6	4	2
20	3	2	1	4	7	13	14	11	13	6	4	2
30	3	2	1	4	6	13	14	11	11	5	4	2
50	3	2	1	4	6	13	14	12	11	4	4	2
75	3	2	1	4	5	9	11	8	11	5	4	2
100	3	2	1	4	5	12	14	11	12	4	4	2
150	3	1	1	4	5	8	14	10	9	2	3	2
200	3	1	1	4	4	9	10	9	8	4	3	1
250	3	1	1	3	4	8	6	4	5	2	3	1
300	3		1	3	5	8	10	7	6	2	3	1

Area 8: Gaspe

Temperature												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	4	7	5	8	19	30	29	30	46	24	33	8
10	4	7	4	7	19	29	29	30	45	24	29	6
20	4	6	4	7	19	30	29	30	45	22	29	7
30	4	6	5	8	18	30	28	30	45	24	32	7
50	3	7	5	8	19	29	29	30	46	23	31	7
75	4	6	5	8	18	25	27	25	43	22	31	7
100	4	7	4	8	19	28	27	27	44	22	31	8
150	4	6	4	8	17	26	18	23	40	20	29	7
200	4	6	4	7	15	22	18	21	33	16	27	7
250	4	6	3	5	11	14	11	17	18	9	25	7
300	4	3	2	5	10	15	10	13	17	11	25	7
400	1				5	2						

Salinity												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	4	4	3	7	16	24	17	18	32	11	25	6
10	3	4	3	6	13	21	17	15	25	9	24	5
20	4	4	3	6	13	21	17	15	25	8	24	6
30	4	4	3	6	12	20	17	16	25	9	25	6
50	3	4	3	6	12	21	17	15	25	9	25	6
75	4	4	3	5	13	18	17	13	26	8	25	6
100	4	4	3	6	12	19	17	14	26	9	25	6
150	4	4	3	7	12	16	11	14	29	9	24	6
200	4	3	2	4	9	17	11	13	25	5	22	6
250	4	3	2	4	7	8	6	10	12	4	21	6
300	4	1	2	4	9	13	7	12	14	6	23	6
400	1				3	2						

Area 9: N Laurentian Channel

Temperature												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	5	5	4	6	13	20	8	17	13	8	33	7
10	5	5	4	6	12	19	8	16	12	8	26	7
20	5	3	4	5	13	19	9	17	12	6	29	7
30	5	3	4	5	13	20	8	17	12	7	33	7
50	4	5	4	6	11	17	7	17	12	8	34	8
75	5	5	4	6	13	17	7	15	11	6	34	8
100	5	5	4	6	13	16	6	16	10	8	34	8
150	5	4	4	4	13	14	5	12	9	4	32	8
200	5	3	4	5	12	15	4	15	7	3	26	7
250	5	3	3	3	11	13	4	10	7	1	24	6
300	5	3	3	3	6	11	3	9	3	3	24	6
400	4	2	2	2	1	6		3	1	1	17	6

Salinity												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	4	2	3	4	8	12	5	12	5	3	27	6
10	4	2	4	4	5	12	4	9	6	3	25	6
20	4	2	4	4	5	12	5	9	6	2	26	6
30	4	2	4	4	5	12	4	9	5	3	27	6
50	3	2	4	4	5	12	4	9	5	4	29	7
75	4	2	4	4	5	10	4	6	6	3	29	7
100	4	2	4	4	5	11	3	6	4	3	29	7
150	4	2	4	3	5	8	3	7	5	1	27	7
200	4	2	4	4	4	9	3	7	5	1	21	6
250	4	2	3	3	3	7	4	5	4		20	6
300	4	2	3	3	3	6	3	7	2	1	23	6
400	4	2	2	2	1	4		1	1		17	6

Area 10: S Laurentian Channel

Temperature												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	6	3	3	5	15	19	12	17	26	5	22	4
10	6	3	3	5	15	19	11	16	25	3	15	4
20	6	2	3	5	15	19	11	17	26	5	16	3
30	6	2	2	5	15	18	11	17	26	5	18	4
50	5	3	1	5	15	17	11	16	26	5	21	4
75	6	3	2	5	14	16	8	15	24	5	20	4
100	6	3	3	5	14	16	9	16	24	5	21	4
150	6	2	2	5	15	15	8	12	22	3	18	4
200	6	2	3	5	12	15	7	13	19	2	15	3
250	6	2	3	5	13	12	7	12	15	2	15	3
300	6	2	3	4	7	10	4	11	11	1	15	3
400	4	1	1	1	7	5	1	7	2		7	3

Salinity												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	5	2	3	4	12	14	6	13	14	1	14	4
10	5	2	3	3	6	8	3	6	13		11	4
20	5	2	2	3	6	8	4	7	14		11	3
30	5	2	2	3	6	8	4	7	14		11	4
50	4	2	1	3	6	8	4	7	14		12	4
75	5	2	1	4	5	8	4	7	14		11	4
100	5	2	1	4	7	8	4	7	13	1	12	4
150	5	2	1	4	5	6	3	6	12	1	12	4
200	5	2	1	4	5	7	3	7	12		11	3
250	5	2	2	3	5	3	3	6	7		10	3
300	5	2	3	3	6	7	2	8	4		11	3
400	3	1	1	1	5	4	1	4	1		7	3

Area 11: Shediac Valley

Temperature												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	3	1		5	13	25	18	24	42	14	5	
10	3	1		5	13	25	16	23	41	9	5	
20	2	1		5	13	25	16	23	42	11	5	
30	2	1		5	13	25	15	23	42	11	5	
50	2	1		4	13	22	13	22	40	12	5	
75		1		1	12	17	6	19	29	9	5	
100		1			5	9	4	12	23	4	1	
Salinity												
0	3	1		3	12	21	12	21	26	10	1	
10	2	1		3	5	12	8	11	19	5	2	
20	2	1		3	5	12	8	11	19	5	3	
30	2	1		3	6	12	8	12	20	5	3	
50	2	1		3	6	11	5	13	22	7	3	
75				1	4	7	4	11	15	6	2	
100					1	4	1	2	11	2	1	

Area 12: NW Magdalen Shallows

Temperature												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	3	2	3	6	22	26	21	27	38	17	29	6
10	2	2	3	5	22	26	21	27	38	16	26	6
20	2	2	3	6	22	26	21	27	38	16	28	6
30	2	2	3	6	22	26	21	27	38	16	30	6
50	1	2	3	6	22	25	17	25	38	15	30	6
75	3	1		6	14	19	12	22	31	10	11	
100	1			3	9	12	3	10	23	1	2	
150				1	2	2	1	3	3			
200								2				
Salinity												
0	3	2	3	5	21	20	16	23	23	11	26	6
10	1	2	2	4	15	17	13	18	20	10	23	6
20	1	2	3	4	16	17	13	18	20	9	26	6
30	1	2	3	4	16	17	13	20	21	9	27	6
50		2	3	4	16	16	11	18	21	10	26	6
75	3		1	4	10	11	4	11	15	6	3	
100	1			1	4	2		2	13			
150				1				1	1			

Area 13: NE Magdalen Shallows

Temperature												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	4	1		2	18	25	12	16	28	7	10	1
10	4	1		2	17	23	11	16	28	6	4	1
20	4	1		2	18	24	11	15	28	5	5	1
30	3	1		2	18	24	11	14	28	6	9	1
50	4	1		2	17	22	9	10	26	5	10	1
75		1		1	8	7	5	4	15	4	8	
100	1	1		1	3	2		1	1	3	1	
150								1		1		
200								1				
Salinity												
0	3	1		2	15	18	8	13	19	3	5	
10	2			1		11	5	5	17	1	2	
20	3			2	2	13	5	5	17	1	3	
30	2			1	3	12	5	5	17	2	4	
50	2			1	4	10	5	4	18		4	
75		1		1		1	2	1	10	1	2	
100	1				2					1		
150										1		

Area 14: W Northumberland Strait

Temperature												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	2			5	24	28	26	30	48	22	5	
10	2			4	24	28	25	30	47	21	5	
20	2			4	24	28	25	30	48	21	5	
30				3	14	22	18	18	38	9	3	
50				1	4	9		3	17	4	1	

Salinity												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	2			3	23	28	25	29	37	18	2	
10	2			3	18	23	23	22	33	18	2	
20	2			2	18	23	24	22	33	18	2	
30					7	5	5	7	18	4	1	
50					1	2			8	3		

Area 15: S Magdalen Shallows

Temperature												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	4	1	1	6	19	23	19	26	35	19	30	8
10	4	1	1	6	19	23	18	26	35	17	29	8
20	4	1	1	6	19	23	18	26	35	18	29	8
30	4	1	1	5	19	23	18	26	35	17	29	8
50	4	1	1	5	17	20	14	23	34	11	28	5
75	2				1	4	4	3	5	2	3	
100	2				1	1	2			1	2	

Salinity												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	4	1	1	4	17	21	15	23	22	13	27	8
10	3	1	1	4	12	16	12	18	20	12	26	8
20	3	1	1	4	12	16	12	18	20	11	26	8
30	3	1	1	4	12	16	12	18	22	11	26	8
50	4	1	1	4	11	13	6	15	20	8	24	5
75	1					2	2	1	1		2	
100	2						1				2	

Area 16: Cape Breton Channel

Temperature												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	5	1		4	24	32	19	26	34	16	20	2
10	5	1		4	23	31	19	25	33	12	19	2
20	5	1		4	24	31	19	25	35	14	20	2
30	5	1		4	24	31	19	26	35	13	20	2
50	4	1		4	23	30	17	25	35	12	21	2
75	5	1		3	19	20	10	21	24	9	11	1
100	5	1		2	19	19	11	17	25	8	8	1
150	3			2	11	6	3	3	17	3	2	

Salinity												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	3	1		2	21	25	14	21	20	10	11	1
10	3	1		3	13	16	10	15	17	6	12	1
20	3	1		3	14	17	11	15	18	7	12	1
30	3	1		3	14	17	11	17	17	7	12	1
50	2	1		3	12	17	10	15	19	7	12	1
75	3	1		1	8	8	3	8	11	5	3	
100	3			1	10	7	6	9	11	6	3	
150	2			1	4	2	2	1	7	1	1	

Area 17: E Northumberland Strait

Temperature												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	4	1	1	3	27	28	21	34	35	16	17	4
10	4	1	1	3	25	28	20	33	34	15	16	4
20	4	1	1	3	26	28	20	34	35	16	17	4
30	4	1		2	26	27	20	33	36	16	17	4
50	2	1		1	16	15	14	20	26	9	6	1

Salinity												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	3	1	1	3	23	22	15	24	19	10	10	1
10	3		1	3	12	17	11	14	17	9	10	1
20	3	1	1	3	12	16	11	14	17	9	9	1
30	3			2	11	17	11	15	17	9	8	1
50	1			1	6	6	7	7	12	5	1	

Area 18: Baie des Chaleurs

Temperature												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	1	1	1	3	22	28	25	26	45	19	11	
10	1	1	1	3	21	27	25	26	45	17	8	
20	1	1	1	3	21	27	24	25	45	18	7	
30	1	1		2	21	27	24	24	45	18	7	
50	1	1		3	20	27	24	24	45	18	8	
75	1	1		2	16	22	20	23	40	17	8	
100		1		1	14	23	19	21	34	14	8	

Salinity												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	1			2	16	21	20	23	30	9	2	
10	1			1	9	16	17	14	21	6	2	
20	1			1	8	15	16	13	22	7	2	
30	1			1	8	16	16	14	24	7	2	
50	1			1	8	16	16	14	23	7	2	
75	1			1	7	16	16	15	19	5	1	
100					7	13	13	15	22	5	1	

Area 66: Cabot Strait West
Temperature

Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	9	4	5	4	16	19	22	13	12	10	28	7
10	8	4	4	4	15	16	18	12	8	8	21	6
20	9	4	4	4	14	18	19	12	11	9	26	6
30	8	4	4	4	15	18	18	12	11	9	26	6
50	9	4	4	4	15	18	17	12	11	9	25	6
75	8	3	4	3	14	16	15	8	10	9	24	6
100	5	2	1	1	11	14	15	9	8	4	7	1
150	4	2	0	1	9	10	12	8	5	4	3	1
200	1	0	0	0	0	3	0	0	1	0	1	0
Salinity												
0	8	3	5	4	12	14	18	12	8	8	24	7
10	5	2	4	4	9	8	11	11	7	7	19	5
20	5	2	4	4	9	9	11	11	8	6	24	4
30	6	2	4	4	9	10	11	11	8	6	24	5
50	6	2	4	3	9	10	9	12	8	7	23	5
75	7	1	4	2	6	7	9	5	6	4	20	5
100	2	1	1	0	5	5	6	4	6	2	2	0
150	1	0	0	0	4	6	10	3	3	3	1	0
200	0	0	0	0	0	0	0	0	0	0	0	0

Area 67: Cabot Strait Central
Temperature

Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	7	4	7	8	20	15	19	20	11	13	31	5
10	7	4	6	7	15	13	13	18	9	11	28	4
20	7	4	6	8	16	13	13	17	9	11	28	4
30	7	4	6	8	16	13	12	17	10	12	29	5
50	7	4	6	7	16	13	13	17	9	12	30	5
75	7	4	6	8	16	11	13	17	8	11	31	5
100	7	4	6	8	16	12	14	17	8	10	31	5
150	7	3	6	7	16	10	13	17	6	8	27	5
200	7	4	6	7	16	10	13	17	7	8	28	5
250	7	2	5	6	13	10	12	11	4	6	25	5
300	6	2	3	8	10	8	12	13	5	4	25	5
400	6	2	2	7	8	8	6	11	6	3	24	5
500	0	0	0	0	1	0	0	1	0	0	0	0
Salinity												
0	6	3	6	8	18	13	16	18	7	9	29	5
10	6	3	5	7	9	10	10	12	5	8	26	4
20	6	3	4	8	9	10	10	12	5	8	26	4
30	6	2	5	8	9	9	10	12	6	8	27	5
50	6	3	5	7	9	10	10	12	6	8	28	5
75	6	2	5	7	9	8	8	12	5	7	29	5
100	6	3	5	8	8	9	11	12	5	8	29	5
150	6	2	3	5	9	8	9	12	4	6	27	5
200	6	2	4	7	8	8	11	10	6	6	26	5
250	6	2	4	5	6	8	7	5	4	4	21	5
300	6	2	3	8	9	8	9	12	4	4	25	5
400	6	2	2	7	6	8	5	10	5	3	23	5
500	0	0	0	0	1	0	0	1	0	0	0	0

Area 68: Cabot Strait East
Temperature

Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	12	11	7	11	17	14	13	16	14	13	30	5
10	11	10	7	10	15	14	13	15	13	10	27	4
20	11	10	6	12	17	14	13	16	13	11	28	4
30	12	10	5	11	17	13	13	16	14	13	30	5
50	11	11	6	10	15	13	12	15	14	12	31	5
75	12	10	7	9	13	12	11	15	11	12	31	5
100	12	10	7	11	16	13	12	16	13	13	31	5
150	11	11	7	10	12	10	8	13	10	9	30	5
200	11	10	6	10	13	10	9	14	10	8	30	4
250	11	11	6	10	10	10	8	11	8	6	26	4
300	8	6	4	9	11	9	7	12	10	3	24	4
400	7	5	5	9	10	7	7	11	8	2	22	4
500	2	0	0	0	1	0	0	3	1	1	0	0

Salinity

0	7	3	4	9	12	8	9	12	7	4	28	4
10	7	3	4	9	11	8	9	11	6	4	25	3
20	7	3	4	10	11	8	9	12	6	4	27	3
30	7	3	3	10	11	8	9	12	7	4	28	4
50	6	3	4	8	10	8	9	10	7	4	28	4
75	7	2	4	7	8	7	8	11	7	3	26	4
100	7	3	4	10	12	8	9	11	7	4	27	4
150	7	3	4	8	9	8	8	9	7	3	25	4
200	7	2	4	9	8	8	8	10	7	3	25	4
250	6	2	4	7	5	5	5	7	5	4	21	4
300	6	2	3	8	9	8	7	9	7	3	23	4
400	6	2	3	8	8	7	7	9	6	2	21	4
500	2	0	0	0	0	0	0	3	1	1	0	0

Area 1: NW Cabot Strait

Sigma-T Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	5	2		5	16	14	7	16	17	4	10	
10	3			3	5	8	4	7	16	1	7	
20	2			5	7	9	3	8	16	1	8	
30	3			5	7	8	4	8	16	1	8	
50	3			4	7	9	4	8	15	1	8	
75	3	1		3	7	8	3	7	13		7	
100	4	2		4	10	8	3	9	16	1	9	
150	4			3	7	8	2	8	13	2	9	
200	4	1		3	4	5	1	5	14	1	7	
250	4	1		2	4	2	1	4	6		5	
300	3	2		2	3	3	1	5	7		5	
400	3	1		2	2	2	2	5	3		5	
500	1				2	1	1	2			2	

Area 2: NE Cabot Strait

Sigma-T Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	7	3	4	8	16	17	11	21	13	8	34	5
10	7	3	4	8	10	13	10	14	12	9	34	5
20	7	3	4	9	10	14	10	16	12	7	35	5
30	7	3	3	9	10	14	10	16	13	7	35	5
50	6	3	4	7	10	14	10	16	12	9	35	5
75	7	3	4	6	10	11	9	16	11	5	35	5
100	7	3	4	9	11	12	9	16	12	9	34	5
150	7	3	4	8	9	11	8	13	9	8	32	5
200	7	3	4	8	10	10	9	13	10	7	29	4
250	6	2	4	6	6	7	6	11	5	7	26	4
300	6	2	3	9	8	10	8	11	9	6	28	4
400	7	2	3	7	7	7	6	9	8	3	25	4
500	4				3	2		3	2	1		

Area 3: E Esquiman Channel

Sigma-T Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	1	1	3	7	12	13	10	15	12	5	23	3
10	1	1	3	7	8	8	11	8	13	6	25	4
20	1	1	3	7	8	10	11	10	13	5	24	4
30	1	1	3	7	8	10	11	10	13	5	25	4
50	1	1	3	7	8	10	11	11	13	5	25	4
75	1	1	3	7	6	8	9	10	10	1	24	3
100	1	1	3	6	7	10	9	10	11	4	25	3
150	1	1	3	6	6	7	8	8	7	3	15	2
200	1	1	3	6	6	4	6	6	9	2	7	
250	1	1	2	4	4	3	2	6	6	2	1	
300		1	1	2	3	2		1	4			

Area 4: W Esquiman Channel

Sigma-T Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	2	2	2	5	5	9	11	9	12	2	25	5
10	3	1	2	5	5	8	10	9	14	3	24	5
20	3	1	2	5	5	8	11	9	14	2	24	5
30	3	1	2	5	5	8	11	9	14	2	25	5
50	2	1	2	4	5	8	10	9	14	3	26	5
75	3	2	2	4	4	7	9	7	11	2	26	5
100	3	2	1	5	4	6	8	6	13	2	26	5
150	3	2	1	4	3	5	5	6	7	2	24	4
200	3	2	1	5	2	4	3	6	5	2	20	4
250	2	1	1	3	2	4	2	4		1	18	4
300								2	2		1	

Area 5: Jacques Cartier Passage

Sigma-T Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	4	3	2	6	8	11	6	12	8	4	28	3
10	4	2	2	6	7	10	6	13	9	6	25	3
20	3	2	2	6	7	10	7	13	9	5	25	3
30	4	2	2	6	7	10	7	13	9	5	28	4
50	4	2	2	5	7	10	7	12	9	6	29	4
75	4	2	2	6	7	8	6	11	8	4	28	4
100	4	2	2	5	7	9	7	10	8	4	28	4
150	4	3	2	4	4	7	6	10	7	3	24	4
200	4	2	1	3	4	7	6	8	3		24	4
250	2	1	1	2	2	3	3	7	2		22	4
300	2	2		2	1		1	2		1	2	

Area 6: NW Gulf

Sigma-T Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	4	3	2	5	10	12	9	11	12	10	29	6
10	4	4	2	5	10	12	9	12	12	9	28	7
20	4	4	2	5	10	12	9	12	12	9	29	7
30	4	4	2	5	10	12	9	12	12	9	29	7
50	3	4	2	5	10	13	9	12	12	9	29	7
75	4	4	2	5	10	11	8	10	12	8	29	7
100	4	4	2	5	10	12	9	11	12	8	29	7
150	4	4	2	5	10	9	9	11	12	8	27	7
200	4	4	2	4	9	8	7	11	11	9	22	7
250	3	2	2	4	7	7	5	6	8	6	22	7
300	4	1	2	4	8	8	6	7	9	5	23	7
400				1		1					2	

Area 7: Estuary

Sigma-T Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	3	2	1	3	8	13	14	12	12	6	4	2
10	3	2	1	3	6	13	14	11	13	6	3	2
20	3	2	1	4	6	13	14	11	13	6	3	2
30	3	2	1	4	6	13	14	11	11	5	3	2
50	3	2	1	4	6	13	14	12	11	4	3	2
75	3	2	1	4	5	9	11	8	11	5	3	2
100	3	2	1	4	5	12	14	11	12	4	3	2
150	3	1	1	4	5	8	14	10	8	2	3	2
200	3	1	1	4	4	9	10	9	8	4	3	1
250	3	1	1	3	4	8	6	4	5	2	3	1
300	3		1	3	5	8	10	7	6	2	3	1

Area 8: Gaspé

Sigma-T Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	4	4	3	7	16	24	17	18	32	11	26	6
10	3	4	3	6	13	20	17	15	25	9	25	6
20	4	4	3	6	13	21	16	15	25	8	25	6
30	4	4	3	6	12	20	17	16	25	9	26	6
50	3	4	3	6	12	20	17	15	25	9	26	6
75	4	4	3	5	13	18	17	13	26	8	26	6
100	4	4	3	6	12	19	17	14	26	9	26	6
150	4	4	3	7	12	16	11	14	29	9	26	6
200	4	3	2	4	9	17	11	13	25	5	23	6
250	4	3	2	4	7	8	6	10	12	4	22	6
300	4	1	2	4	9	13	7	11	14	6	24	6
400	1				3	2						

Area 14: W Northumberland Strait

Sigma-T	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Depth(m)												
0	2			3	23	28	25	29	37	18	2	
10	2			3	18	23	23	22	32	18	2	
20	2			1	18	23	24	22	33	18	2	
30					7	5	5	7	18	4	1	
50					1	2			8	3		

Area 15: S Magdalen Shallows

Sigma-T	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Depth(m)												
0	4	1	1	4	17	21	15	23	22	13	28	8
10	3	1	1	4	12	16	12	18	20	12	28	8
20	3	1	1	4	12	16	12	18	20	11	27	8
30	3	1	1	4	12	16	12	18	22	11	27	8
50	4	1	1	4	11	13	6	15	20	8	25	5
75	1					2	2	1	1		2	
100	2						1				2	

Area 16: Cape Breton Channel

Sigma-T	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Depth(m)												
0	3	1		2	21	25	14	21	20	10	11	1
10	3	1		3	13	16	10	15	17	6	12	1
20	3	1		3	14	17	11	15	18	7	12	1
30	3	1		3	14	17	11	17	17	7	12	1
50	2	1		3	12	17	10	15	19	7	12	1
75	3	1		1	8	8	3	8	11	5	3	
100	3			1	10	7	6	9	11	6	3	
150	2			1	4	2	2	1	7	1	1	

Area 17: E Northumberland Strait

Sigma-T	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Depth(m)												
0	3	1	1	3	23	21	15	24	19	10	11	1
10	3		1	3	11	16	11	13	16	8	10	1
20	3		1	3	10	14	11	13	16	8	9	1
30	3			2	10	16	11	14	16	8	8	1
50	1			1	6	5	6	7	12	5	1	

Area 18: Baie Des Chaleurs

Sigma-T	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Depth(m)												
0	1			2	16	21	20	23	30	9	2	
10	1			1	9	15	17	14	21	6	2	
20	1			1	8	15	16	13	22	7	2	
30	1			1	8	16	16	14	24	7	2	
50	1			1	8	15	16	14	23	7	2	
75	1			1	7	16	15	15	19	5	1	
100					7	13	13	15	22	5	1	

Area 66: Cabot Strait West

Sigma-T												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	8	3	5	4	12	14	18	12	8	8	24	7
10	5	2	4	4	9	8	11	11	7	7	21	5
20	5	2	4	4	9	9	11	11	7	6	24	4
30	6	2	4	4	9	10	11	11	6	6	25	5
50	6	2	4	3	9	9	9	12	7	7	24	5
75	7	1	4	2	6	7	9	5	6	4	20	5
100	2	1	1		5	5	6	4	6	2	2	
150	1				4	6	10	3	3	3	1	

Area 67: Cabot Strait Central

Sigma-T												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	5	3	6	8	18	13	16	19	7	9	30	5
10	5	3	4	7	9	10	10	13	5	8	28	5
20	5	3	3	8	9	10	10	12	5	8	28	5
30	5	2	5	8	9	9	10	12	6	8	28	5
50	5	3	5	7	9	10	10	13	5	8	29	5
75	5	2	5	7	9	8	8	13	5	7	30	5
100	5	3	5	8	8	9	10	13	5	8	30	5
150	5	2	3	5	9	8	9	13	4	6	29	5
200	5	2	3	7	8	8	11	10	6	5	27	5
250	5	2	2	5	6	8	8	6	3	4	22	5
300	5	2	3	8	8	8	9	13	4	4	26	5
400	5	2	1	7	6	8	5	10	4	3	23	5
500					1			1				

Area 68: Cabot Strait East

Sigma-T												
Depth(m)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	7	3	4	10	12	8	9	13	7	4	29	4
10	7	3	4	9	11	8	9	12	6	4	27	3
20	7	3	4	10	11	8	9	13	6	4	29	3
30	7	3	3	10	11	8	9	13	7	4	30	4
50	6	3	4	8	10	8	9	11	7	4	29	4
75	7	2	4	7	8	7	8	12	7	3	27	4
100	7	3	4	10	12	8	9	12	7	4	28	4
150	7	3	4	8	8	8	8	10	7	3	26	4
200	7	2	4	9	8	8	8	11	7	3	26	4
250	6	2	4	6	5	5	5	8	4	4	22	4
300	6	2	3	8	9	8	7	10	7	3	24	4
400	6	2	3	8	8	7	7	10	6	2	23	4
500	2							3	1	1		

Appendix B
Monthly average temperatures and salinities for the
0-30 m, 30-100 m, 100-200 m and 200-300 m layers

Table 1. Temperature of the 0 to 30 m layer.													
Area #	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
1	0.03	0.23	NaN	-0.22	1.91	5.65	8.84	10.58	11.24	8.96	5.35	1.86	4.95
2	0.48	-0.33	0.08	0.28	1.97	5.56	8.65	10.57	9.52	7.78	5.16	4.14	4.49
3	-0.42	-0.57	-0.72	-0.24	1.9	5.21	8.97	11.09	10.38	7.22	4.47	2.64	4.16
4	-0.31	-1.43	-0.94	-0.25	1.24	4.04	6.45	10.02	9.48	7.15	3.25	2.14	3.40
5	-0.44	-1.29	-0.86	-0.49	1.74	4.49	7.2	8.5	8.6	6.35	3.49	1.7	3.25
6	-1.04	-1.44	-1.23	-0.1	1.7	4.09	6.04	7.23	6.19	4.76	2.35	1.77	2.53
7	-0.32	-0.56	-0.12	0.91	2.27	4.93	5.13	5.39	5.14	3.72	1.86	1.27	2.47
8	-1.26	-1.45	-1.22	0.11	2.54	5.5	8.14	9.38	8.29	5.97	2.33	1.63	3.33
9	-0.98	-1.52	-1.49	-0.83	1.84	5.31	7.34	8.92	8.79	5.92	3.32	2.48	3.26
10	-0.91	-1.55	-1.34	-0.55	2.28	5.41	8.3	9.91	9.71	7.06	3.34	2.92	3.72
11	-0.47	-1.48	NaN	-0.1	3.89	6.05	9.03	11.34	10.88	7.68	5.19	NaN	5.20
12	0.11	-0.91	-0.96	0.01	3.03	5.75	8.63	10.63	9.93	8.5	3.99	2.63	4.28
13	-0.06	-1.23	NaN	-0.85	2.64	5.27	9.57	11.04	10.74	8.4	4.24	2.2	4.72
14	NaN	NaN	NaN	0.6	4.06	7.37	10.28	12.19	12.25	10.3	6.96	NaN	8.00
15	0.28	-1.66	-0.74	0.02	3.17	6.54	9.85	11.76	11.62	9.27	5.11	3.1	4.86
16	0.34	0.25	NaN	-0.47	3.07	6.19	10.32	12.78	12.04	9.79	6.38	4.99	5.97
17	0.42	-1.37	NaN	-0.31	3.37	6.61	11.98	14.32	14.47	12.2	8	5.12	6.80
18	-0.36	0.4	NaN	1	4.04	6.55	9.46	10.84	10.29	7.99	4.73	NaN	5.49
66	-0.06	0.29	-0.84	-0.54	2.04	6.74	12.16	14.82	14.91	10.14	6.3	4.46	5.87
67	-0.1	-0.68	-0.14	0.2	2.07	4.79	10.25	11.07	12.01	8.54	5.61	4.13	4.81
68	0.68	-0.01	0.03	0.31	1.6	5.2	7.3	9.7	8.11	7.27	5.33	4.63	4.18
All areas	-0.22	-0.82	-0.75	-0.07	2.49	5.58	8.76	10.58	10.22	7.86	4.61	2.99	4.27

Table 2. Salinity of the 0 to 30 m layer.													
Area #	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
1	31.7	NaN	NaN	31.61	31.29	31.18	30.98	30.65	30.54	30.27	31.06	NaN	31.03
2	32.06	31.97	31.89	31.78	31.53	31.53	31.48	31.28	31.55	31.44	31.64	31.81	31.66
3	31.77	32.05	32.07	31.9	31.73	31.48	31.04	31.06	31.07	31.18	31.44	31.5	31.52
4	31.92	32.24	32.21	31.97	31.82	31.16	31.08	31.03	31.08	31.36	31.42	31.33	31.55
5	31.82	32.23	32.07	31.94	31.63	31.03	31.05	30.94	30.89	31.23	31.35	31.51	31.47
6	31.76	31.71	31.4	31.58	30.9	30.84	30.28	30.49	30.68	31.11	31.23	31.35	31.11
7	30.73	29.45	28.93	28.62	27.46	27.5	28.68	29.3	29.38	29.29	29.61	30.5	29.12
8	31.04	31.22	31.08	30.83	29.69	29.28	28.91	29.5	29.73	29.84	30.44	30.59	30.18
9	31.71	31.71	31.86	31.79	31.22	30.66	30.64	30.55	30.83	31.2	31.2	31.33	31.23
10	31.75	31.7	31.64	31.86	31.58	31.22	30.89	30.74	30.17	NaN	31.24	31.2	31.27
11	30.77	31.47	NaN	31.08	29.95	29.24	28.56	29.16	29.04	29.84	29.77	NaN	29.89
12	31.4	31.33	31.49	31.25	30.64	30.09	29.65	29.57	29.61	29.79	30.61	30.9	30.53
13	31.59	NaN	NaN	31.49	NaN	31.12	30.93	30.15	30.08	30.8	30.95	NaN	30.89
14	NaN	NaN	NaN	NaN	29.35	28.95	28.64	28.58	28.57	28.82	29.4	NaN	28.90
15	30.93	30.91	30.97	31.25	30.58	29.85	29.07	28.91	28.8	29.22	30.1	30.25	30.07
16	30.9	31.55	NaN	31.4	30.9	30.55	29.82	29.6	29.32	29.54	29.87	29.48	30.27
17	28.96	NaN	NaN	29.92	29.89	29.77	29.31	29.2	28.62	28.89	29.28	29.4	29.32
18	30.32	NaN	NaN	29.79	28.57	27.83	27.99	28.3	28.76	29.3	29.53	NaN	28.93
66	30.81	30.98	31.15	30.75	30.51	30.52	29.63	29.31	29.2	29.66	30.12	30.17	30.23
67	31.59	31.43	31.62	31.6	31.42	31.4	30.85	30.67	30.84	30.63	30.95	30.65	31.14
68	32.17	31.91	31.9	31.71	31.56	31.61	31.54	31.53	31.79	31.87	31.72	31.78	31.76
All areas	31.29	31.49	31.45	31.21	30.61	30.32	30.05	30.02	30.03	30.26	30.62	30.86	30.58

Table 3. Temperature of the 30 to 100 m layer.

Area #	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
1	0.34	0.56	NaN	0.09	0.64	1.32	1.19	1.69	1.64	2.41	2.29	1.56	1.25
2	0.94	0.28	0.37	0.08	0.58	1.52	1.51	2.09	2.35	2.74	2.82	3.01	1.52
3	0.1	-0.19	-0.52	-0.11	0.36	0.93	1	1.54	1.81	1.72	1.84	1.41	0.82
4	0.19	-0.97	-0.18	-0.61	-0.36	0.15	0.29	1.44	2.2	1.86	1.45	1.21	0.56
5	0.35	-0.64	-0.8	-0.51	-0.22	0.35	0.45	0.72	1.2	1.82	1.48	1.37	0.46
6	0.59	-0.22	-0.12	0.04	0.41	0.56	0.58	1.14	1.15	1.46	1.21	1.4	0.68
7	1.22	0.42	0.2	0.32	0.4	0.58	0.91	1.29	1.59	1.71	1.57	1.59	0.98
8	0.19	-0.22	-0.43	-0.14	0.42	0.75	1.29	1.48	1.74	2.22	1.54	1.69	0.88
9	-0.14	-0.96	-1.13	-0.66	0.27	0.33	0.96	1.05	1.18	1.68	1.47	1.36	0.45
10	-0.38	-0.95	-0.47	-0.68	0.38	0.58	1	1.05	1.02	1.41	1.25	1.6	0.48
11	NaN	-1.03	NaN	NaN	0.49	0.67	1.06	1.58	2.05	2.41	3	NaN	1.28
12	0	NaN	NaN	-0.33	0.44	0.5	0.72	0.91	1.1	1.54	1.82	NaN	0.74
13	NaN	-0.84	NaN	0.06	0.69	0.99	NaN	1.26	1.05	1.43	2.05	NaN	0.84
14	NaN	NaN	NaN	NaN	NaN	0.92	NaN	NaN	NaN	NaN	NaN	NaN	0.92
15	0.41	NaN	NaN	NaN	0.11	0.76	0.51	NaN	NaN	1.74	2.83	NaN	1.06
16	0.86	0.07	NaN	-0.2	0.79	1	1.35	1.9	1.77	2.89	3.11	2.75	1.48
18	NaN	-0.11	NaN	-0.31	0.39	0.88	1.53	1.74	2.33	3.19	3.13	NaN	1.42
66	0.39	0.33	-0.37	-0.4	0.75	1.79	2.15	3.04	3.74	3.8	4.29	3.54	1.92
67	0.57	-0.4	0.1	0.26	0.78	1.08	2	1.67	2.69	3	2.72	2.47	1.41
68	1.28	0.35	0.3	0.22	0.5	1.42	1.35	1.93	2.16	2.43	2.91	3.15	1.50
All areas	0.43	-0.27	-0.25	-0.17	0.41	0.85	1.10	1.53	1.82	2.18	2.25	2.01	0.99

Area #	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
1	32.1	NaN	NaN	32.29	32.08	32.16	32.44	32.27	32.23	NaN	32.03	NaN	32.2
2	32.36	32.22	32.06	32.17	32.15	32.23	32.36	32.3	32.39	32.32	32.3	32.33	32.27
3	NaN	32.45	32.19	32.38	32.22	32.17	32.17	32.23	32.28	32.18	32.24	32.32	32.26
4	32.14	32.44	32.4	32.4	32.46	32.32	32.18	32.2	32.02	32.13	32.12	32.12	32.24
5	32.29	32.4	32.12	32.23	32.19	32.26	32.29	32.35	32.1	32.14	32.01	31.95	32.19
6	32.66	32.25	32.38	32.55	32.36	32.38	32.36	32.35	32.38	32.31	32.34	32.29	32.38
7	32.35	31.76	31.46	32.1	31.98	31.8	31.9	31.98	32.14	32.2	32.07	32.22	32.00
8	32.2	32.14	31.92	32.32	32.12	32	31.86	32	31.95	31.87	32.1	31.94	32.04
9	32.26	31.98	32.05	32.26	32.23	32.09	32.17	32.26	32.13	32.26	32.13	32.14	32.16
10	32.15	31.88	32.01	32.2	32.34	32.3	32.3	32.2	32.11	NaN	32.21	32.07	32.16
11	NaN	NaN	NaN	NaN	31.56	31.59	32.07	31.84	31.65	31.56	31.21	NaN	31.64
12	NaN	NaN	NaN	32.06	31.69	31.76	NaN	31.99	31.93	NaN	NaN	NaN	31.89
15	31.11	NaN	NaN	NaN	NaN	NaN	31.5	NaN	NaN	NaN	30.98	NaN	31.20
16	31.67	NaN	NaN	32.22	31.96	31.82	32.01	32.05	31.81	31.6	31.22	NaN	31.82
17	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	32.44	NaN	32.44
18	NaN	NaN	NaN	NaN	31.15	31.11	31.24	31.32	31.28	31.26	30.51	NaN	31.12
66	31.52	31.44	31.68	NaN	31.82	31.9	31.83	31.86	31.56	31.68	31.11	NaN	31.64
67	32.04	31.91	31.9	32.09	32.14	32.22	32.27	32.24	32.02	32.11	32.08	31.79	32.07
68	32.44	32.23	32.06	32.19	32.22	32.3	32.41	32.47	32.42	32.52	32.37	32.34	32.33
All areas	32.09	32.09	32.02	32.25	32.04	32.02	32.08	32.11	32.02	32.01	31.86	32.14	32.06

Table 5. Temperature of the 100 to 200 m layer.													
Area #	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
1	2.17	2.13	NaN	2.66	2.85	2.78	2.51	2.81	2.55	2.54	1.99	NaN	2.50
2	3	2.46	2.24	2.52	2.48	2.28	2.78	2.55	2.83	2.63	2.64	2.48	2.57
3	2.9	2.73	2.53	2.53	2.47	2.18	2.4	2.25	2.42	2.11	2.2	2.62	2.45
4	2.49	1.8	1.58	1.88	2.1	1.88	2.33	1.88	2.08	2.13	2.5	2.91	2.13
5	2.83	2.22	2.16	2.25	1.83	1.92	2.17	1.86	1.84	2.16	1.71	2.01	2.08
6	3.07	2.77	2.5	2.84	2.75	2.64	2.54	2.62	2.63	2.3	2.56	2.99	2.68
7	2.96	3.12	2.77	2.6	2.28	2.19	2.12	2.4	2.91	2.56	2.45	2.38	2.56
8	2.55	2.84	2.17	2.59	2.29	2.26	2.49	2.55	2.47	2.42	2.54	2.66	2.49
9	3.03	2.28	1.81	2.76	2.94	2.22	2.22	2.5	2.06	2.34	2.3	2.47	2.41
10	2.56	1.52	1.87	2.17	3.04	2.52	3.25	2.56	2.57	2.34	2.41	3	2.48
66	2.86	NaN	NaN	NaN	NaN	3.47	NaN	NaN	2.87	NaN	3.48	NaN	3.17
67	2.32	1.94	2.66	2.8	2.77	2.73	3.47	2.9	2.44	2.94	2.54	2.95	2.71
68	3.06	2.46	2.38	2.59	2.49	2.7	2.91	3.01	3.09	2.78	2.7	2.73	2.74
All areas	2.75	2.36	2.24	2.52	2.52	2.44	2.60	2.49	2.52	2.44	2.46	2.65	2.54

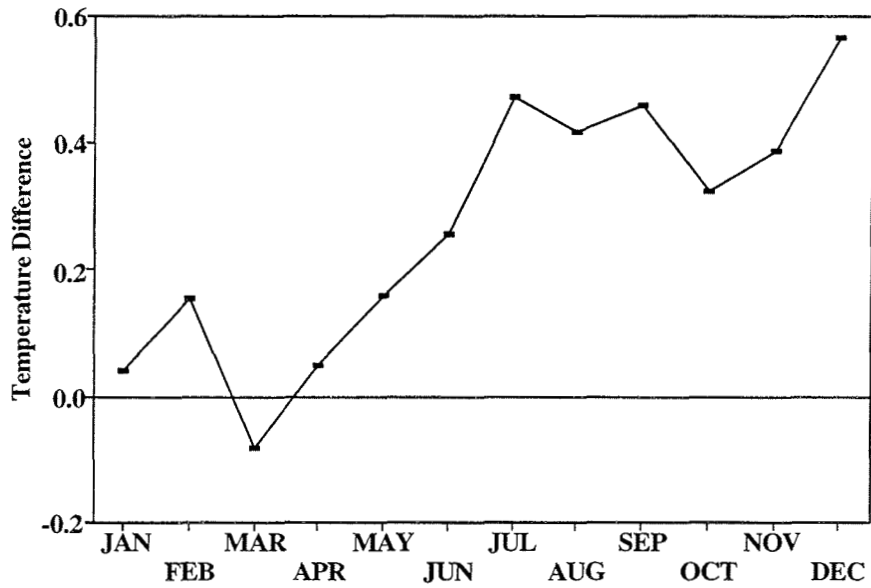
Table 6. Salinity of the 100 to 200 m layer													
Area #	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
1	33.34	NaN	NaN	33.51	33.45	33.39	33.35	33.33	33.43	33.45	33.14	NaN	33.38
2	33.45	33.31	33.13	33.41	33.31	33.28	33.5	33.39	33.24	33.28	33.39	33.46	33.35
3	33.63	33.57	33.42	33.48	33.34	33.2	33.36	33.35	33.34	33.24	33.34	NaN	33.39
4	33.17	33.39	33.2	33.28	33.2	33.33	33.4	33.26	33.02	33.18	33.38	33.56	33.28
5	33.51	33.3	33.3	33.36	33.26	33.26	33.43	33.39	33.12	NaN	33.22	33.26	33.31
6	33.81	33.57	33.59	33.77	33.54	33.57	33.56	33.59	33.59	33.36	33.52	33.6	33.59
7	33.61	33.8	33.41	33.56	33.48	33.39	33.35	33.46	33.64	33.53	33.45	33.65	33.53
8	33.48	33.47	33.1	33.64	33.44	33.48	33.44	33.47	33.41	33.31	33.52	33.51	33.44
9	33.57	33.28	33.21	33.64	33.41	33.31	33.48	33.45	33.24	33.28	33.43	33.46	33.40
10	33.5	33.18	33.09	33.43	33.61	33.47	33.69	33.47	33.45	NaN	33.47	33.59	33.45
67	33.36	33.26	33.64	33.49	33.32	33.4	33.63	33.43	33.26	33.5	33.43	33.38	33.43
68	33.44	33.25	33.11	33.47	33.33	33.3	33.59	33.46	33.22	33.31	33.47	33.4	33.36
All areas	33.49	33.40	33.29	33.50	33.39	33.37	33.48	33.42	33.33	33.34	33.40	33.49	33.41

Table 7. Temperature of the 200 to 300 m layer.

Area #	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
1	4.84	4.67	NaN	5.27	5.03	4.76	5.05	4.89	4.86	4.68	4.5	NaN	4.86
2	5.45	5.26	5.12	5.33	5.02	5.07	5.15	4.97	5.34	5.01	5.15	5.19	5.17
3	5.02	5.12	4.89	4.94	5.16	5.01	5.17	4.94	4.93	4.8	4.71	5.3	5.00
4	4.94	NaN	NaN	NaN	5.14	4.81	4.68	4.88	5.27	4.85	4.68	NaN	4.91
5	5.03	4.7	NaN	4.75	4.87	4.75	4.95	4.52	4.69	4.77	4.61	NaN	4.76
6	4.52	5.17	4.25	4.73	4.55	4.63	4.3	4.46	4.44	4.56	4.53	5	4.60
7	4.15	NaN	3.91	4.36	4.24	3.98	3.93	4.05	4.41	4.26	4.06	4.54	4.17
8	4.46	5.16	4.16	4.7	4.28	4.35	4.53	4.47	4.55	4.36	4.46	4.82	4.53
9	5.07	4.93	4.5	5.07	5.02	4.69	4.47	4.69	4.58	5.2	4.86	5.24	4.86
10	4.95	4.21	4.64	4.64	4.97	4.82	5.27	4.7	4.79	5.14	4.91	5.38	4.87
67	4.76	4.77	5.17	5.02	4.86	5.14	5.34	4.63	4.78	5.3	4.94	5.37	5.01
68	5.49	5.36	5.3	5.32	4.98	5.18	5.08	5.13	5.38	5.29	5.23	5.7	5.29
All areas	4.89	4.94	4.66	4.92	4.84	4.77	4.83	4.69	4.84	4.85	4.72	5.17	4.84

Table 8. Salinity of the 200 to 300 m layer.													
Area #	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
1	34.4	34.12	NaN	34.3	34.37	34.42	34.66	34.33	34.33	NaN	33.92	NaN	34.32
2	34.4	34.43	34.37	34.5	34.45	34.39	34.53	34.4	34.19	34.37	34.42	34.49	34.41
3	34.34	34.42	34.4	34.32	34.26	34.26	NaN	34.34	34.31	NaN	NaN	NaN	34.33
4	NaN	NaN	NaN	NaN	NaN	NaN	NaN	34.34	NaN	NaN	34.4	NaN	34.37
5	34.37	34.43	NaN	34.38	34.39	NaN	34.5	34.36	NaN	NaN	34.34	NaN	34.40
6	34.46	34.49	34.33	34.56	34.39	34.41	34.32	34.45	34.4	34.37	34.36	34.45	34.42
7	34.26	NaN	34.2	34.25	34.15	34.18	34.14	34.26	34.35	34.19	34.2	34.27	34.22
8	34.36	34.54	34.21	34.49	34.31	34.36	34.35	34.29	34.25	34.2	34.36	34.4	34.34
9	34.44	34.5	34.28	34.46	34.33	34.32	34.42	34.48	34.34	NaN	34.42	34.44	34.40
10	34.4	34.39	34.28	34.43	34.44	34.44	34.64	34.39	34.25	NaN	34.38	34.56	34.42
67	34.45	34.5	34.78	34.48	34.37	34.41	34.52	34.24	34.08	34.46	34.41	34.44	34.43
68	34.41	34.4	34.37	34.49	34.48	34.39	34.58	34.44	34.17	34.38	34.46	34.48	34.42
All areas	34.39	34.42	34.36	34.42	34.36	34.36	34.47	34.36	34.27	34.33	34.33	34.44	34.38

Gulf of St. Lawrence (Ave T)-(Area Weighted Ave T)



Gulf of St. Lawrence (Ave S)-(Area Weighted Ave S)

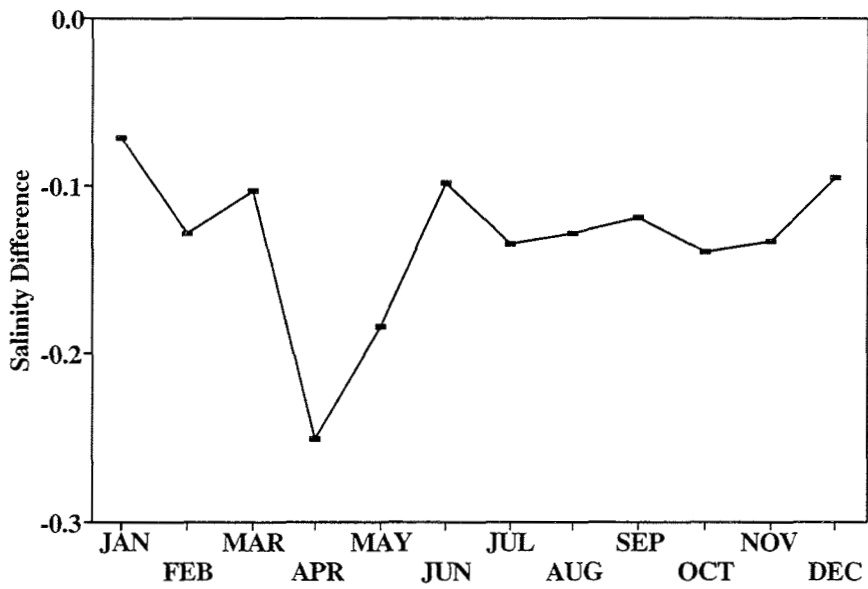


Figure B1