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CTD Data from the Newfoundland Coast: 1986
and 1987

Douglas J. Schillinger, Brad deYoung and Jack Foley

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Department of Physics and Physical Oceanography
Memorial University of Newfoundland
St. John's, Newfoundland
A1B 3X7

Abstract

Several cruises were undertaken during 1986 and 1987 for the purpose of collecting CTD data. This data is presented here to document the data taken from these cruises. The presentation consists only of the contoured, and single cast CTD profiles. Only limiting data processing took place; simple quality control, and averaging into one metre bins were performed. The data are mainly from Conception, Trinity, Exploits, Hall, Green, Notre Dame, and White Bays, although data from outside St. John's Harbour, Bonavista Bay, Bay of Islands, Bonne Bay, the Avalon Channel, and Bedford Basin (Halifax Harbour) are also included.

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Introduction

CTD data collected over several cruises during 1986 and 1987 are presented here. These data were collected with a Neil Brown Mk III B CTD system. In all cases, the data from each cast were averaged into 1 m bins in the vertical. Where applicable, several casts were grouped together to form transects. The data from these casts were contoured using Matlab's contour function. The individual cruise information is listed in Table 1, the location, date, and depth of each station are presented in Tables 2-6, and maps of the stations are presented in Figures 1-5. In these figures, each station is located by the red x, and transects are indicated by the solid line connecting the station locations. The data from each cruise are presented in the subsections of the Figures section, labelled by the date of the cruise.

Station Information

Table 1: Cruise Information

Vessel	Date	Location
<i>Dawson</i>	September 4-10 1986	Conception Bay, Trinity Bay, Bonavista Bay, Bay of Exploits, Hall Bay, Green Bay and Notre Dame Bay, White Bay and beyond.
<i>Templeman</i>	November 15-21 1986	St. John's Harbour, Conception Bay, Trinity Bay, Bonavista Bay, Bay of Exploits, Green Bay and Notre Dame Bay, Hall Bay, White Bay and beyond.
<i>Baffin</i>	May 20-29 1987	Conception Bay, Trinity Bay, Bonavista Bay of Exploits, Hall Bay and Notre Dame Bay, White Bay and beyond, Bay of Islands, Bedford Basin.
<i>Dawson</i>	August 10-20 1987	St. John's Harbour, Conception Bay, Southwest Arm of Random Sound, Trinity Bay, Bay of Exploits, Green Bay and Notre Dame Bay, White Bay and beyond, Bonne Bay and Gulf of St. Lawrence.
<i>Templeman</i>	December 2-12 1987	St. John's Harbour, Conception Bay, Avalon Channel, Trinity Bay, Bay of Exploits, Green Bay and Notre Dame Bay, White Bay and beyond, Bonne Bay and Gulf of St. Lawrence.

Table 2: September 1986, Dawson Cruise – Station List

Station Number	Station ID	Latitude (deg min)	Longitude (deg min)	Depth (m)	Date (m-d-y) Time
1	WHB001	49 35.3	56 48.1	237	09-04-86 01:55
2	WHB002	49 39.9	56 44.9	219	09-04-86 02:56
3	WHB003	49 44.9	56 44.0	374	09-04-86 03:55
4	WHB004	49 49.5	56 40.7	459	09-04-86 04:58
5	WHB005	49 54.4	56 39.1	479	09-04-86 05:58

6	WHB006	49	58.5	56	35.3	476	09-04-86	07:05
7	WHB007	50	02.8	56	31.1	400	09-04-86	08:16
8	WHB008	50	11.3	56	22.8	351	09-05-89	02:56
9	WHB009	50	19.6	56	14.2	340	09-05-89	04:19
10	SBI01	50	24.0	56	00.0	293	09-05-89	05:36
11	SBI02	50	24.4	55	44.3	245	09-05-89	07:09
12	SBI03	50	17.4	55	32.8	293	09-05-89	08:29
13	SBI04	50	14.7	55	17.9	310	09-05-89	10:07
14	EX01	49	09.9	55	18.8	44	09-05-89	21:04
15	EX02	49	13.7	55	15.8	116	09-05-89	21:50
16	EX03	49	17.7	55	12.4	216	09-05-89	22:32
17	EX04	49	22.2	55	10.3	505	09-05-89	23:19
18	EX05	49	26.3	55	07.8	598	09-06-89	00:07
19	EX06	49	30.6	55	07.4	630	09-06-89	01:02
20	EX07	49	35.4	55	07.2	205	09-06-89	02:04
21	EX08	49	41.0	55	09.2	296	09-06-89	08:32
22	HLB02	49	30.5	56	00.0	329	09-06-89	17:25
23	HLB03	49	33.6	55	52.0	435	09-06-89	18:37
24	HLB04	49	36.1	55	48.2	457	09-06-89	19:31
25	HLB05	49	38.4	55	44.4	329	09-06-89	23:40
26	HLB06	49	43.2	55	41.9	320	09-07-89	00:35
27	GRB06	49	46.1	55	35.5	272	09-07-89	01:29
28	NDB01	49	45.8	55	26.8	256	09-07-89	02:28
29	NDB02	49	47.5	55	11.7	358	09-07-89	04:06
30	GRB05	49	47.0	55	42.9	274	09-07-89	06:38
31	GRB04	49	45.8	55	50.4	282	09-07-89	07:47
32	GRB03	49	43.6	55	57.1	396	09-07-89	08:59
33	GRB02	49	40.7	56	03.2	318	09-07-89	09:51
34	GRB01	49	37.3	56	09.0	210	09-07-89	10:55
35	NDB03	49	51.5	54	57.6	380	09-07-89	17:46
36	NDB04	49	53.2	54	41.9	351	09-07-89	19:05
37	NDB05	49	57.0	54	27.0	205	09-07-89	20:18
38	NDB06	50	03.1	54	15.5	348	09-07-89	21:27
39	NEWSD1	48	36.0	53	47.8	221	09-08-89	11:49
40	BVB04	48	39.2	53	33.0	431	09-08-89	17:15
41	BVB05	48	45.8	53	26.2	310	09-08-89	18:32
42	TB10	48	40.3	52	41.1	286	09-08-89	22:12
43	TB09	48	30.4	52	43.5	289	09-08-89	23:27
44	TB08	48	21.6	52	50.5	278	09-09-89	00:41
45	TB07	48	13.5	52	58.4	303	09-09-89	01:59
46	TB01	47	43.9	53	47.4	243	09-09-89	07:04
47	TB02	47	46.3	53	40.8	296	09-09-89	07:53
48	TB03	47	49.3	53	34.4	450	09-09-89	08:40
49	TB04	47	54.6	53	28.9	538	09-09-89	09:42
50	TB05	48	03.5	53	21.1	567	09-09-89	12:29
51	TB06	48	08.2	53	10.8	331	09-09-89	14:27

52	CB04	47	48.3	52	56.8	199	09-09-89 18:16
53	CB01	47	30.7	53	07.4	214	09-09-89 20:28
54	CB02	47	35.5	53	07.8	273	09-09-89 21:13
55	CB03	47	40.1	53	04.4	256	09-09-89 23:55
56	CB05	47	30.7	53	07.4	170	09-10-89 02:30

Table 3: November 1986, Templeman Cruise – Station List

Station Number	Station ID	Latitude (deg min)	Longitude (deg min)	Depth (m)	Date (m-d-y) Time
1	ST27	47 32.8	52 35.2	175	11-15-86 13:40
2	CO04	47 48.3	52 56.8	204	11-15-86 18:55
3	CO03	47 40.1	53 04.9	265	11-15-86 20:37
4	CO01	47 30.7	53 07.4	208	11-16-86 02:06
5	CO02	47 35.5	53 07.8	277	11-16-86 02:55
6	SB06	50 18.9	54 49.0	265	11-17-86 00:51
7	SB05	50 15.4	55 02.8	194	11-17-86 02:10
8	SB04	50 14.7	55 17.9	315	11-17-86 03:42
9	SB03	50 17.4	55 32.8	299	11-17-86 06:24
10	SB02	50 24.4	55 44.3	254	11-17-86 07:37
11	SB01	50 24.0	56 00.0	297	11-17-86 08:46
12	WHB09	50 19.6	56 14.2	351	11-17-86 10:02
13	WHB08	50 11.3	56 22.8	353	11-17-86 11:16
14	WHB01	49 35.3	56 48.1	245	11-17-86 20:12
15	WHB02	49 39.9	56 44.9	234	11-17-86 21:59
16	WHB03	49 44.9	56 44.0	353	11-17-86 21:47
17	WHB04	49 49.5	56 40.7	494	11-17-86 10:35
18	WHB05	49 54.4	56 39.1	510	11-17-86 11:26
19	WHB06	49 58.5	56 35.3	490	11-18-86 00:25
20	WHB07	50 02.8	56 31.1	404	11-18-86 02:12
21	NDB03	49 51.5	54 57.6	385	11-18-86 08:34
22	NDB02	49 47.5	55 11.7	374	11-18-86 12:17
23	NDB01	49 45.8	55 26.8	264	11-18-86 13:48
24	GRB06	49 46.1	55 35.5	285	11-18-86 15:10
25	GRB05	49 47.0	55 42.9	277	11-18-86 15:50
26	GRB04	49 45.8	55 50.4	313	11-18-86 16:34
27	GRB03	49 43.6	55 57.1	409	11-18-86 17:18
28	GRB02	49 40.7	56 03.2	289	11-18-86 18:09
29	GRB01	49 37.3	56 09.0	189	11-18-86 18:50
30	HLB06	49 43.2	55 41.9	313	11-18-86 01:19
31	HLB05	49 38.4	55 44.4	304	11-19-86 02:09
32	HLB04	49 36.1	55 48.2	470	11-19-86 02:50
33	HLB03	49 33.6	55 52.0	441	11-19-86 03:45
34	HLB02	49 30.5	56 00.3	341	11-19-86 04:51
35	HLB01	49 26.9	56 05.1	175	11-19-86 05:45
36	BGR03	49 30.3	55 34.1	300	11-19-86 12:46
37	NEWB03	49 29.2	55 18.9	444	11-19-86 13:58

38	EXP06	49 30.6	55 07.4	649	11-20-86 01:27
39	EXP04	49 22.2	55 10.3	537	11-20-86 02:44
40	NWSD1	48 36.0	53 47.8	290	11-21-86 12:09
41	BVB04	48 39.2	53 33.0	350	11-21-86 13:19
42	BVB05	48 45.8	53 26.2	319	11-21-86 14:19
43	TRB10	48 40.3	52 41.1	289	11-21-86 17:05
44	TRB09	48 30.4	52 43.5	294	11-21-86 18:09
45	TRB08	48 13.5	52 50.5	286	11-21-86 19:13
46	TRB07	48 13.5	52 58.4	312	11-21-86 20:21
47	TRB06	48 08.2	53 10.8	340	11-21-86 21:37

Table 4: May 1987, Baffin Cruise – Station List

Station Number	Station ID	Latitude (deg min)	Longitude (deg min)	Depth (m)	Date (m-d-y) Time
1	BdfrdBsn	44 00	63 30	040	05-20-87 15:00
2	CO05	47 53.2	52 44.3	180	05-22-87 17:23
3	CO04	47 48.3	52 56.8	205	05-22-87 18:42
4	CO03	47 40.1	53 04.9	254	05-22-87 19:56
5	CO02	47 35.5	53 07.8	267	05-22-87 20:44
6	CO01	47 30.7	53 07.8	201	05-22-87 21:31
7	TB06	48 08.2	53 10.8	334	05-23-87 07:41
8	TB05	48 03.1	53 21.1	575	05-23-87 08:49
9	TB04	47 54.6	53 28.9	545	05-23-87 10:05
10	TB03	47 49.3	53 34.4	474	05-23-87 11:04
11	TB02	47 46.3	53 40.8	251	05-23-87 11:53
12	TB01	47 43.9	53 47.4	245	05-23-87 12:39
13	TB07	48 13.5	52 58.4	305	05-24-87 04:12
14	TB08	48 21.6	52 50.5	270	05-24-87 05:24
15	TB09	48 30.4	52 43.5	293	05-24-87 06:36
16	TB10	48 40.3	52 41.1	282	05-22-87 07:47
17	BB11	48 45	53 22	305	05-24-87 11:06
18	NDB06	50 03.1	54 15.5	365	05-24-87 22:59
19	NDB05	49 57.0	54 27.5	329	05-25-87 00:19
20	NDB04	49 53.2	54 41.9	360	05-25-87 01:36
21	NDB03	49 51.5	54 57.6	375	05-25-87 03:07
22	EX08	49 41.0	55 09.2	295	05-25-87 04:38
23	EX06	49 30.0	55 07.4	636	05-25-87 14:55
24	EX05	49 26.3	55 07.8	597	05-25-87 15:58
25	EX04	49 22.2	55 10.3	500	05-25-87 16:49
26	EX03	49 17.7	55 12.4	247	05-25-87 17:38
27	EX02	49 13.7	55 15.8	119	05-25-87 20:03
28	EX01	49 09.9	55 18.8	45	05-25-87 19:18
29	EX07	49 35.4	55 07.2	227	05-26-87 04:18
30	NDB01	49 45.8	55 26.8	252	05-26-87 06:06
31	HB06	49 43.2	55 41.9	320	05-26-87 07:32

32	HB05	49 38.4	55 44.4	350	05-26-87 08:24
33	HB04	49 36.1	55 48.2	460	05-26-87 09:20
34	HB03	49 33.6	55 52.0	434	05-26-87 10:03
35	HB02	49 30.5	56 00.3	329	05-26-87 11:20
36	HB01	49 26.9	56 05.1	190	05-26-87 12:28
37	NDB07	49 47.5	55 11.7	223	05-26-87 17:28
38	SBI05	50 14.8	55 05.5	268	05-26-87 19:25
39	SBI04	50 14.7	55 17.9	305	05-26-87 20:21
40	SBI03	50 17.4	55 32.8	293	05-26-87 21:25
41	SBI02	50 25.0	55 47.5	256	05-26-87 22:40
42	SBI01	50 19.0	55 57.5	320	05-26-87 23:53
43	WHB09	50 15.4	56 07.4	316	05-27-87 00:46
44	WHB08	50 09.5	56 19.7	353	05-27-87 02:07
45	WHB07	50 02.2	56 29.7	422	05-27-87 03:24
46	WHB06	49 58.5	56 35.3	480	05-27-87 04:16
47	WHB05	49 54.4	56 39.1	480	05-27-87 05:06
48	WHB03	49 44.9	56 44.0	353	05-27-87 06:19
49	WHB01	49 35.3	56 48.1	247	05-27-87 07:32
50	BofIS	49 09.46	58 19.65	274	05-29-87 08:09

Table 5: August 1987, Dawson Cruise – Station List

Station Number	Station ID	Latitude (deg min)	Longitude (deg min)	Depth (m)	Date (m-d-y) Time
1	ST27	47 32.8	52 35.2	180	08-10-87 13:46
2	CO06	48 00.0	52 33.4	196	08-10-87 17:42
3	CO05	47 53.2	52 44.3	185	08-10-87 18:58
4	CO04	47 48.3	52 56.8	214	08-10-87 21:26
5	CO03	47 41.8	53 03.8	260	08-10-87 23:47
6	CO02A	47 36.7	53 07.1	285	08-11-87 01:12
7	CO02B	47 36.7	53 07.1	280	08-11-87 01:55
8	CO01	47 30.7	53 07.4	214	08-11-87 06:59
9	CTR24	47 37.0	53 09.7	117	08-11-87 11:09
10	CO02C	47 36.7	53 07.1	275	08-11-87 11:52
11	CTR22	47 36.6	53 04.2	178	08-11-87 12:22
12	CTR21	47 36.5	53 03.3	114	08-11-87 12:50
13	CTR45	47 50.8	53 01.8	95	08-11-87 15:37
14	CTR44	47 49.6	52 59.3	198	08-11-87 16:17
15	CTR43	47 48.3	52 56.8	215	08-11-87 16:54
16	CTR42	47 46.9	52 53.8	195	08-11-87 17:37
17	CTR41	47 45.5	52 50.8	142	08-11-87 18:10
18	CTR51	47 50.4	52 47.3	187	08-11-87 19:09
19	CTR52	47 52.9	52 47.4	178	08-11-87 19:39
20	CTR53	47 55.3	52 47.5	150	08-11-87 20:15
21	CTR54	47 57.8	52 47.7	146	08-11-87 20:40
22	CTR55	48 00.2	52 47.8	143	08-11-87 21:06

23	CTR56	48 02.5	52 48.0	137	08-11-87 21:29
24	CTR57	48 04.8	52 48.1	150	08-11-87 21:56
25	TB07	48 13.5	52 58.4	315	08-11-87 23:23
26	TB06	48 08.2	53 10.8	338	08-12-87 01:05
27	TB05	48 03.1	53 21.1	575	08-12-87 08:08
28	TB04	47 54.6	53 28.9	537	08-12-87 10:43
29	TB03	47 49.3	53 34.4	440	08-12-87 11:51
30	TB02	47 46.3	53 40.8	289	08-12-87 12:46
31	TB01	47 43.9	53 47.4	237	08-12-87 13:34
32	RAS05	48 01.5	53 55.0	136	08-12-87 17:54
33	RAS06	48 01.02	53 50.0	210	08-12-87 18:41
34	RAS07	48 01.58	53 45.0	260	08-12-87 19:24
35	RAS08	48 04.18	53 37.4	315	08-12-87 20:20
36	EX02	49 13.7	55 15.8	127	08-13-87 22:54
37	EX03	49 17.7	55 12.4	223	08-13-87 23:56
38	EX04	49 22.2	55 10.3	515	08-14-87 00:50
39	EX05	49 26.3	55 07.8	603	08-14-87 02:07
40	EX06	49 30.6	55 07.4	635	08-14-87 08:08
41	EX06b	49 30.6	55 07.4	635	08-14-87 08:47
42	EX07	49 35.4	55 07.2	235	08-14-87 12:15
43	EX08	49 41.0	55 09.2	298	08-14-87 13:04
44	NDB02	49 47.5	55 11.7	368	08-14-87 14:01
45	NDB01	49 45.8	55 26.8	265	08-14-87 15:48
46	GRB06	49 46.1	55 35.5	280	08-14-87 16:57
47	GRB05	49 47.0	55 42.9	295	08-14-87 17:41
48	GRB04	49 45.8	55 50.4	293	08-14-87 18:27
49	GRB01	49 37.3	56 09.0	152	08-14-87 21:01
50	GRB02	49 40.7	56 03.2	330	08-14-87 22:02
51	GRB03	49 43.6	55 57.1	400	08-14-87 22:52
52	NDB03	49 51.5	54 57.6	382	08-15-87 02:55
53	NDB04	49 53.2	54 41.9	376	08-15-87 04:15
54	NDB05	49 57.0	54 27.5	333	08-15-87 05:34
55	NDB06	50 03.1	54 15.5	365	08-15-87 06:50
56	SBI06	50 18.9	54 49.0	268	08-16-87 05:46
57	SBI05	50 15.0	55 04.2	236	08-16-87 08:06
58	SBI04	50 14.7	55 17.9	303	08-16-87 09:13
59	SBI03	50 17.4	55 32.8	307	08-16-87 10:27
60	SBI02	50 25.0	55 47.5	260	08-16-87 11:45
61	SBI01	50 19.0	55 57.5	327	08-16-87 12:42
62	WHB09	50 15.4	56 07.4	332	08-16-87 13:38
63	WHB08	50 09.5	56 19.7	365	08-16-87 14:44
64	WHB07	50 02.2	56 29.7	440	08-16-87 16:10
65	WHB06	49 58.5	56 35.3	486	08-16-87 17:00
66	WHB05	49 54.4	56 39.1	493	08-16-87 17:49
67	WHB04	49 49.5	56 40.7	451	08-16-87 18:43
68	WHB03	49 44.9	56 44.0	332	08-16-87 19:31

69	WHB02	49 39.9	56 44.9	230	08-16-87 20:16
70	WHB01	49 35.3	56 48.1	253	08-16-87 21:06
71	BNB04	49 30.5	57 54.2	127	08-18-87 12:52
72	BNB02	49 30.6	57 50.1	233	08-18-87 13:49
73	BNB01	49 28.6	57 47.1	220	08-18-87 16:45
74	BNB05	49 33.2	57 56.2	144	08-18-87 19:14
75	BNB06	49 35.4	58 02.2	115	08-18-87 20:11
76	GSL01	49 32.8	58 40.7	119	08-20-87 01:20
77	GSL02	49 30.01	59 23.44	240	08-20-87 04:00

Table 6: December 1987, Templeman Cruise – Station List

Station Number	Station ID	Latitude (deg min)	Longitude (deg min)	Depth (m)	Date (m-d-y) Time
1	ST27	47 32.8	52 35.2	176	12-02-87 12:38
2	TB07	48 13.5	52 58.4	314	12-02-87 16:55
3	TB06	48 08.2	53 10.8	340	12-02-87 20:17
4	TB05	48 03.1	53 21.1	590	12-02-87 20:34
5	TB04	47 54.6	53 28.9	549	12-02-87 22:15
6	TB03	47 49.3	53 34.4	442	12-02-87 23:29
7	TB02	47 46.3	53 40.8	278	12-03-87 00:21
8	TB01	47 43.9	53 47.4	263	12-03-87 01:15
9	TB08	48 21.6	52 50.5	288	12-03-87 06:53
10	M2	48 52.5	52 41.5	275	12-03-87 12:01
11	TB10	48 40.3	52 41.1	290	12-03-87 21:48
12	TB09	48 30.4	52 43.5	292	12-03-87 23:22
13	NDB05	49 57.0	54 27.5	337	12-05-87 02:21
14	NDB04	49 53.2	54 41.9	355	12-05-87 04:22
15	NDB03	49 51.5	54 57.6	386	12-05-87 05:54
16	NDB02	49 47.5	55 11.7	370	12-05-87 08:15
17	NDB01	49 45.8	55 26.8	263	12-05-87 09:33
18	GRB05	49 47.0	55 42.9	296	12-05-87 10:44
19	GRB04	49 45.8	55 50.4	266	12-05-87 11:27
20	GRB03	49 43.6	55 57.1	399	12-05-87 12:29
21	GRB02	49 40.2	56 03.2	267	12-05-87 13:23
22	GRB01	49 37.3	56 09.0	207	12-05-87 14:18
23	SBI04	50 14.7	55 17.9	316	12-05-87 20:30
24	SBI03	50 17.4	55 32.8	308	12-05-87 21:48
25	SBI02	50 25.0	55 47.5	261	12-05-87 23:12
26	SBI01	50 19.0	55 57.5	331	12-06-87 00:14
27	WB09	50 15.4	56 07.4	328	12-06-87 01:12
28	WB08	50 09.5	56 19.7	359	12-06-87 02:26
29	WB07	50 02.2	56 29.7	425	12-06-87 03:41
30	WB05	49 54.4	56 39.1	480	12-06-87 05:00
31	BNB06	49 35.4	58 02.0	111	12-09-87 10:05
32	BNB05	49 33.2	57 56.2	135	12-09-87 10:52
33	BNB04	49 30.5	57 54.2	121	12-09-87 11:25

34	BNB03	49 30.9	57 51.9	112	12-09-87 11:45
35	BNB02	49 30.6	57 50.5	225	12-09-87 12:10
36	BNB01	49 28.6	57 47.1	215	12-09-87 12:50
37	GSL01	49 32.8	58 40.7	134	12-09-87 17:04
38	GSL02	49 30.0	59 23.4	246	12-09-87 19:46
39	AV02	48 07.4	51 56.1	181	12-11-87 16:47
40	AV03	48 07.4	52 05.9	159	12-11-87 17:35
41	AV04	48 07.4	52 15.6	189	12-11-87 18:24
42	AV05	48 07.4	52 25.5	200	12-11-87 19:23
43	AV06	48 07.4	52 35.2	185	12-11-87 20:10
44	AV07	48 07.4	52 44.2	153	12-11-87 20:54
45	CTR507	48 04.8	52 48.1	150	12-11-87 21:30
46	CTR506	48 02.5	52 48.0	140	12-11-87 21:52
47	CTR505	48 00.2	52 47.8	142	12-11-87 22:17
48	CTR504	47 57.8	52 47.7	142	12-11-87 22:35
49	CTR503	47 55.3	52 47.5	155	12-11-87 23:02
50	CTR502	47 52.9	52 47.4	179	12-11-87 23:21
51	CTR501	47 50.4	52 47.3	191	12-11-87 23:45
52	CTR401	47 45.5	52 50.8	140	12-12-87 00:17
53	CTR402	47 46.9	52 53.8	200	12-12-87 00:50
54	CTR403	47 48.3	52 56.8	209	12-12-87 01:14
55	CTR404	47 49.6	52 59.3	185	12-12-87 01:40
56	CTR405	47 50.8	53 01.8	100	12-12-87 02:03
57	CB03	47 41.8	53 03.8	259	12-12-87 03:03
58	CTR201	47 36.7	53 07.1	222	12-12-87 03:45
59	CTR202	47 36.6	53 05.2	179	12-12-87 04:02
60	CB02	47 36.7	53 07.1	210	12-12-87 04:20
61	CTR204	47 37.0	53 09.7	327	12-12-87 04:52
62	CB01	47 30.7	53 07.4	332	12-12-87 05:34
63	ST27b	47 32.8	52 35.2	365	12-12-87 09:50

Figures

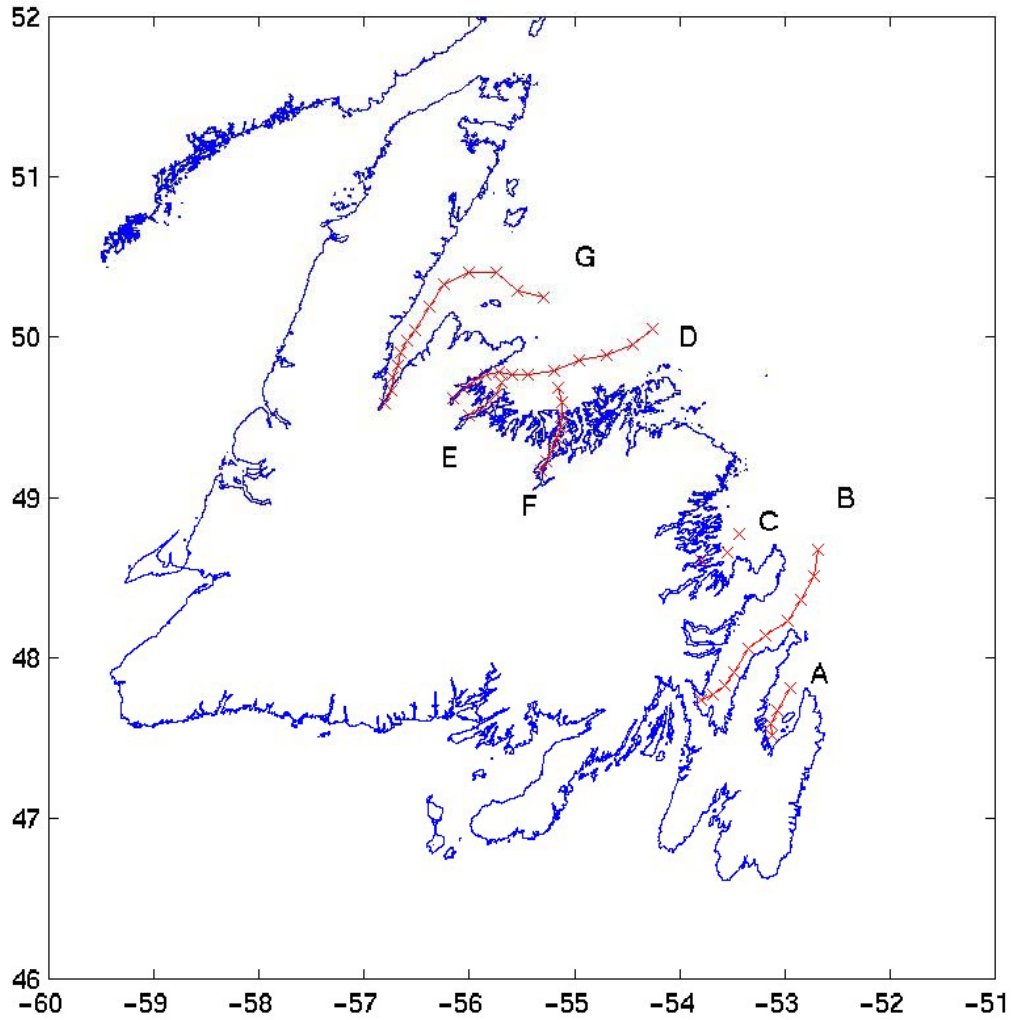


Figure 1: Station locations (red x) and transects (line connecting x) from September 1986.

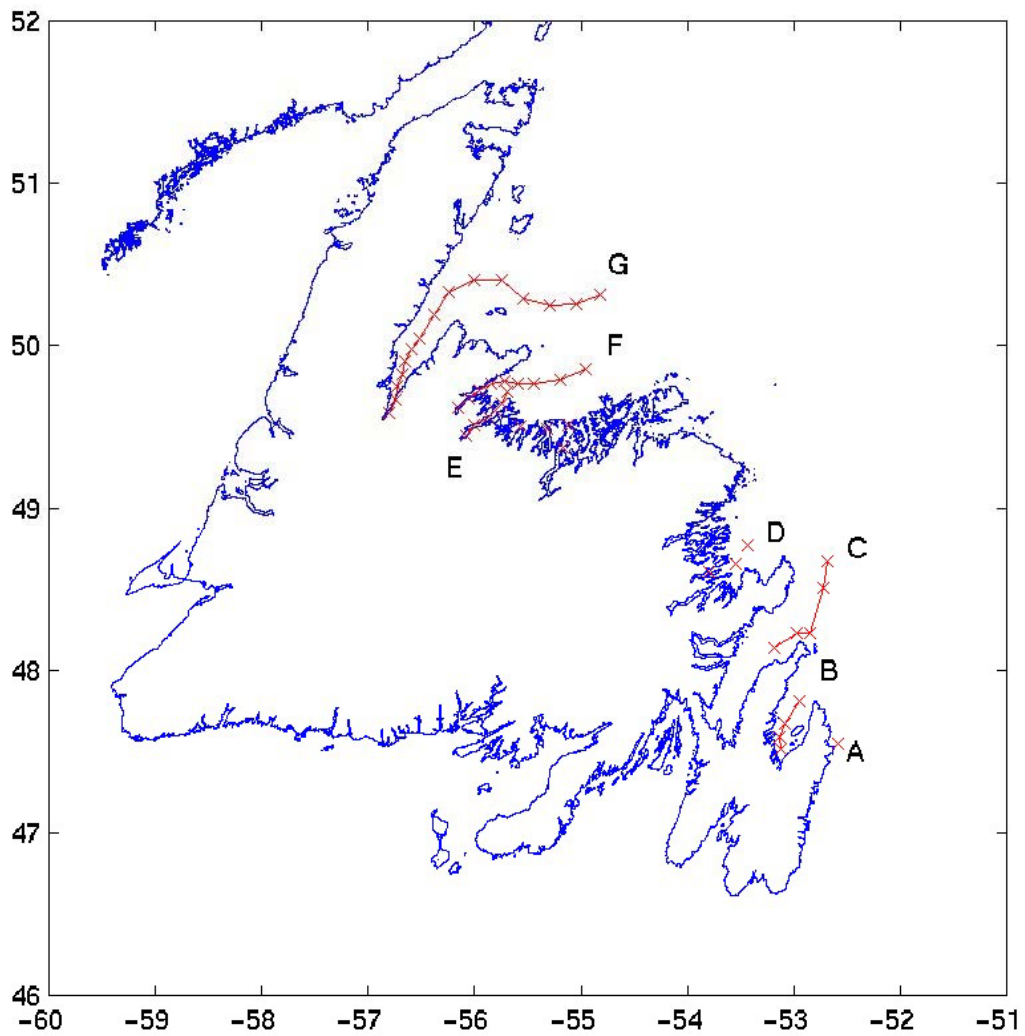


Figure 2: Station locations (red x) and transects (line connecting x) from November 1986.

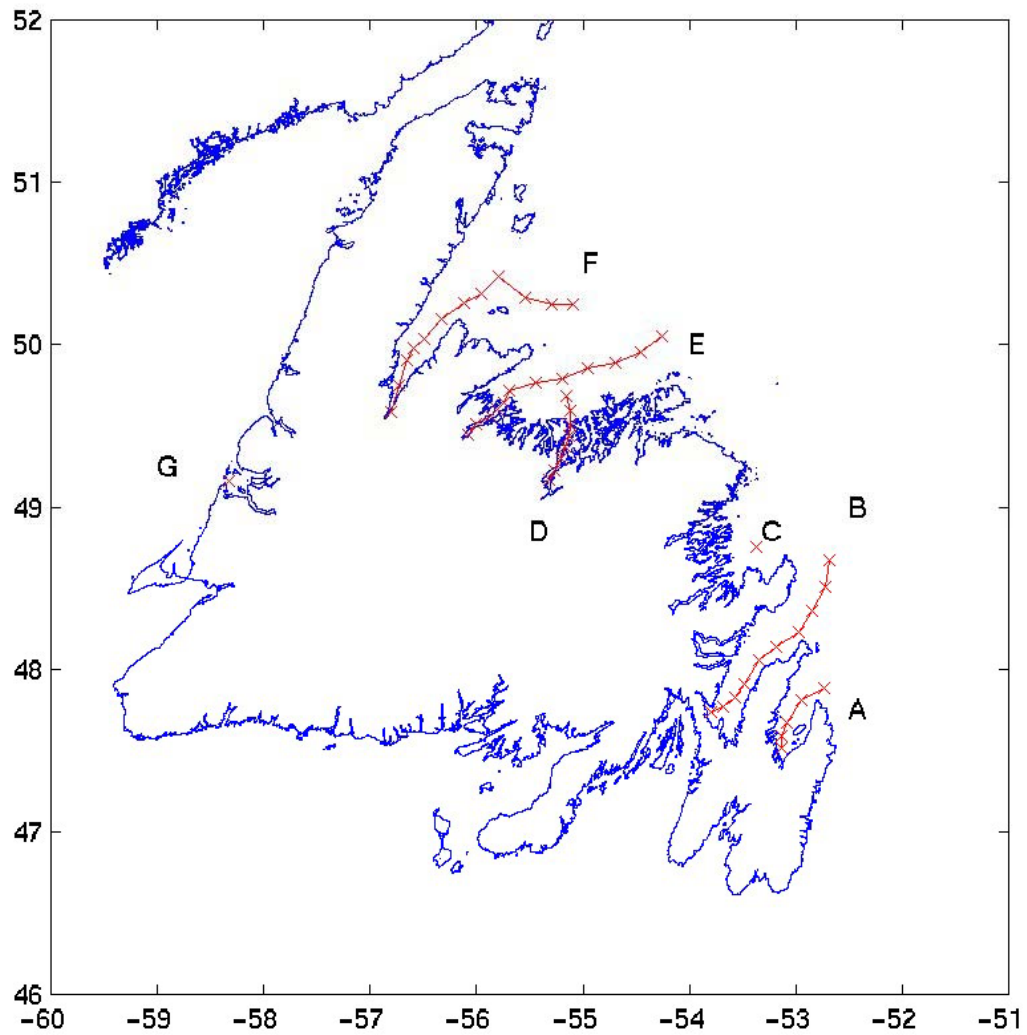


Figure 3: Station locations (red x) and transects (line connecting x) from May 1987.

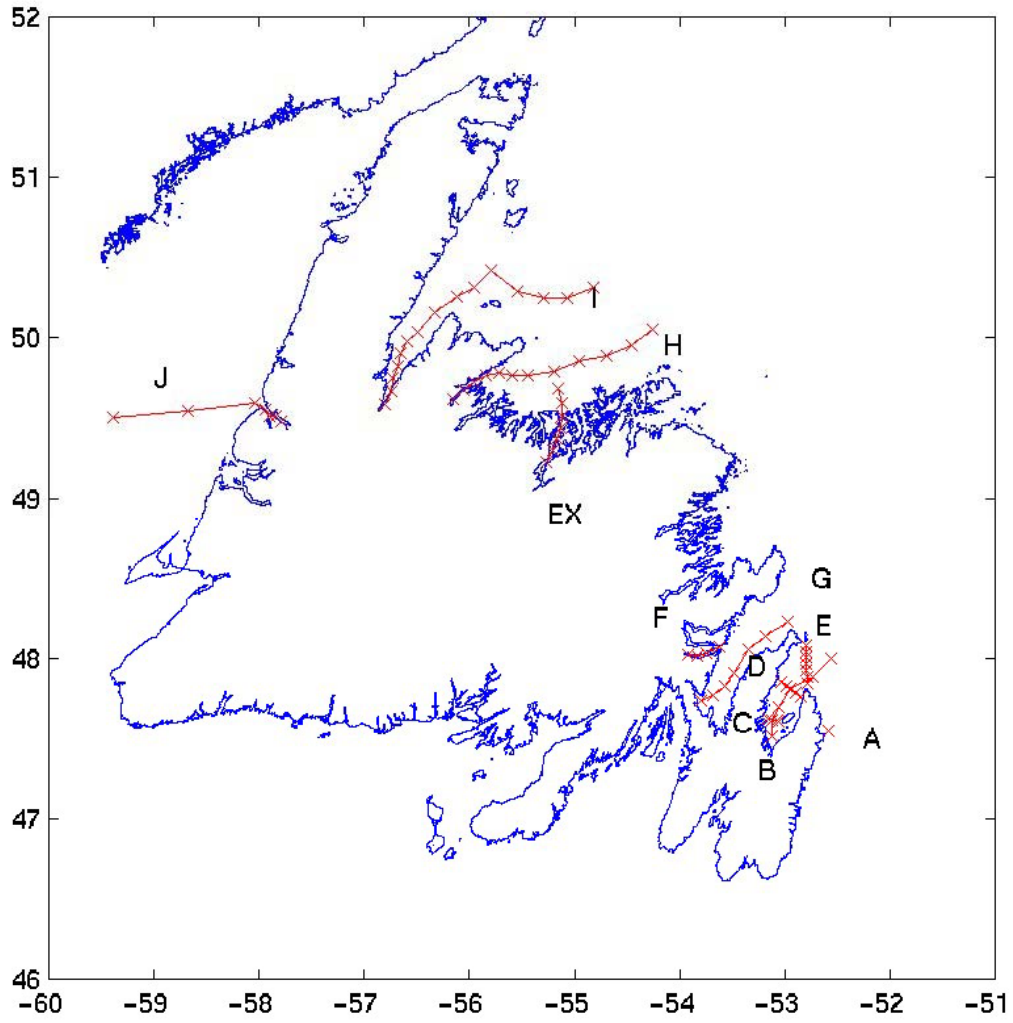


Figure 4: Station locations (red x) and transects (line connecting x) from August 1987.

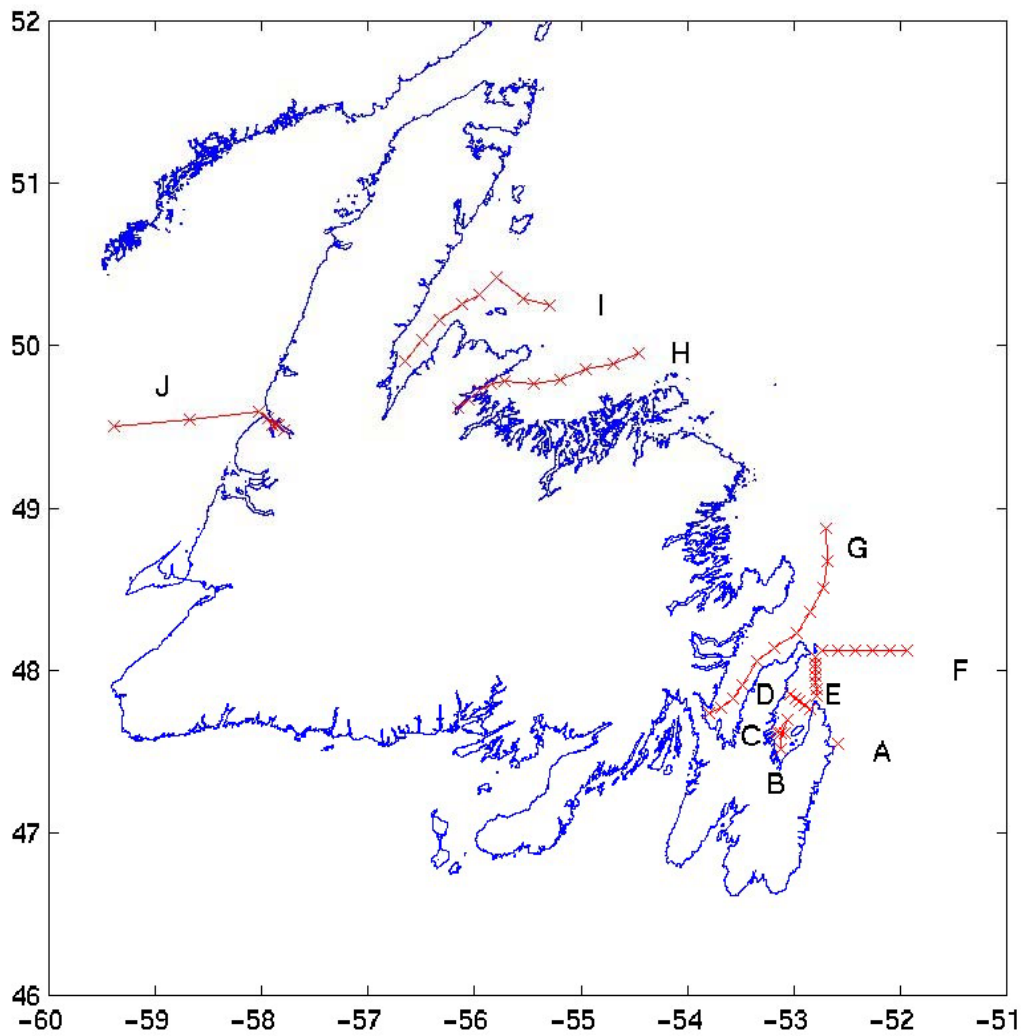


Figure 5: Station locations (red x) and transects (line connecting x) from December 1987.

September 1986

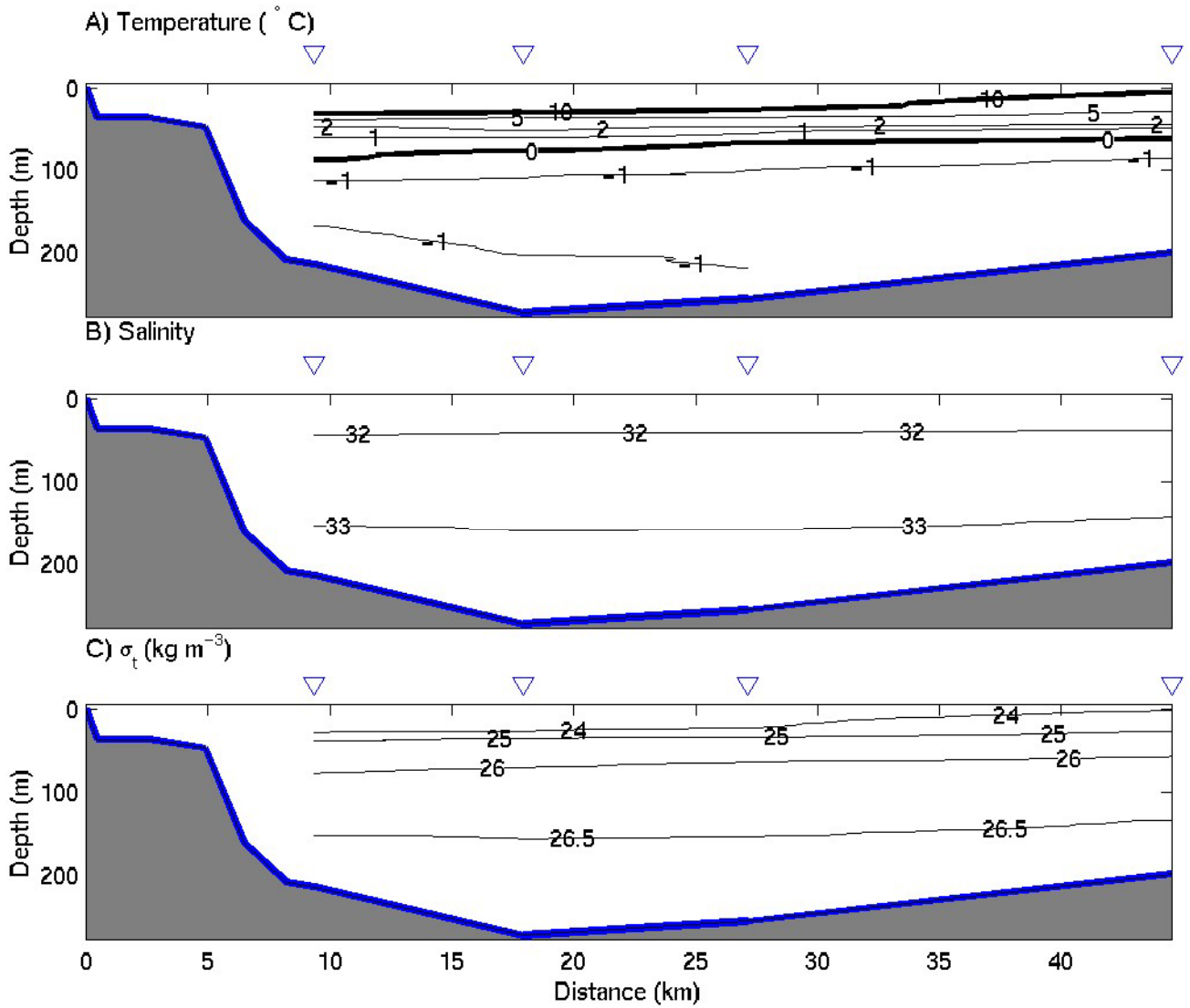


Figure 6: Transect A, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from September 1986 (along bay, Conception Bay). See Figure 1.

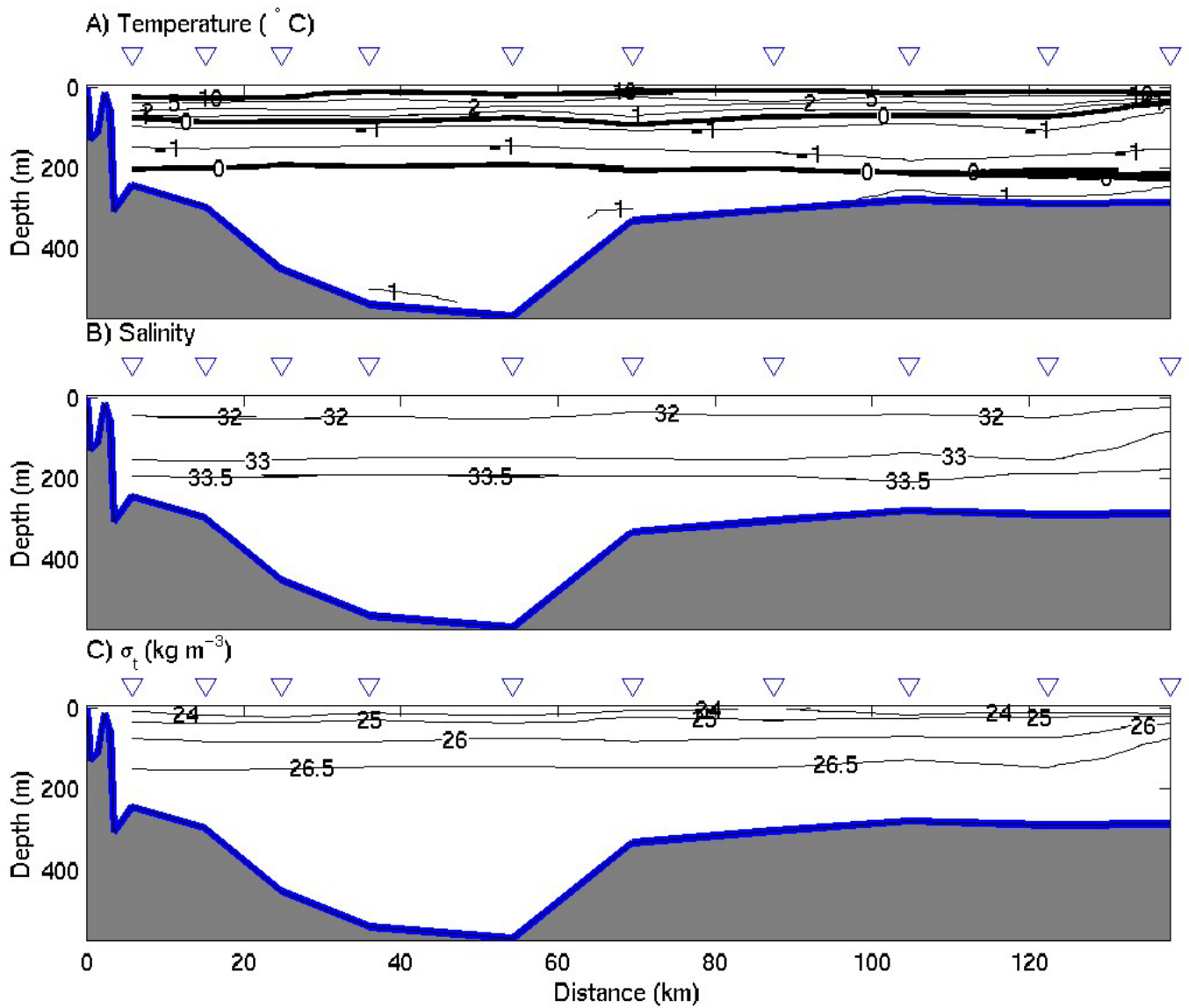


Figure 7: Transect B, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from September 1986 (along bay, Trinity Bay). See Figure 1.

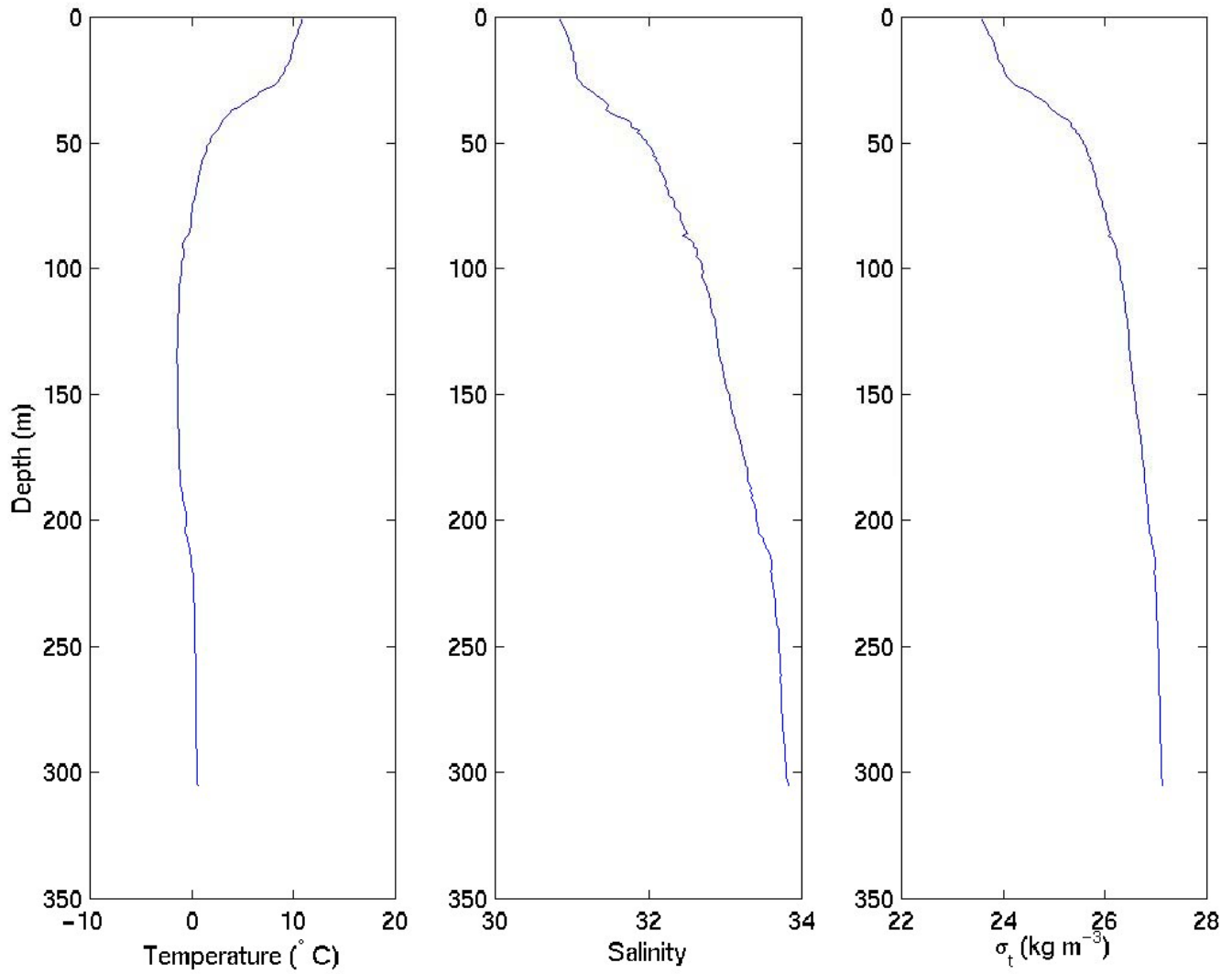


Figure 8: CTD vertical profile C, for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from September 1986 (Bonavista Bay). See Figure 1.

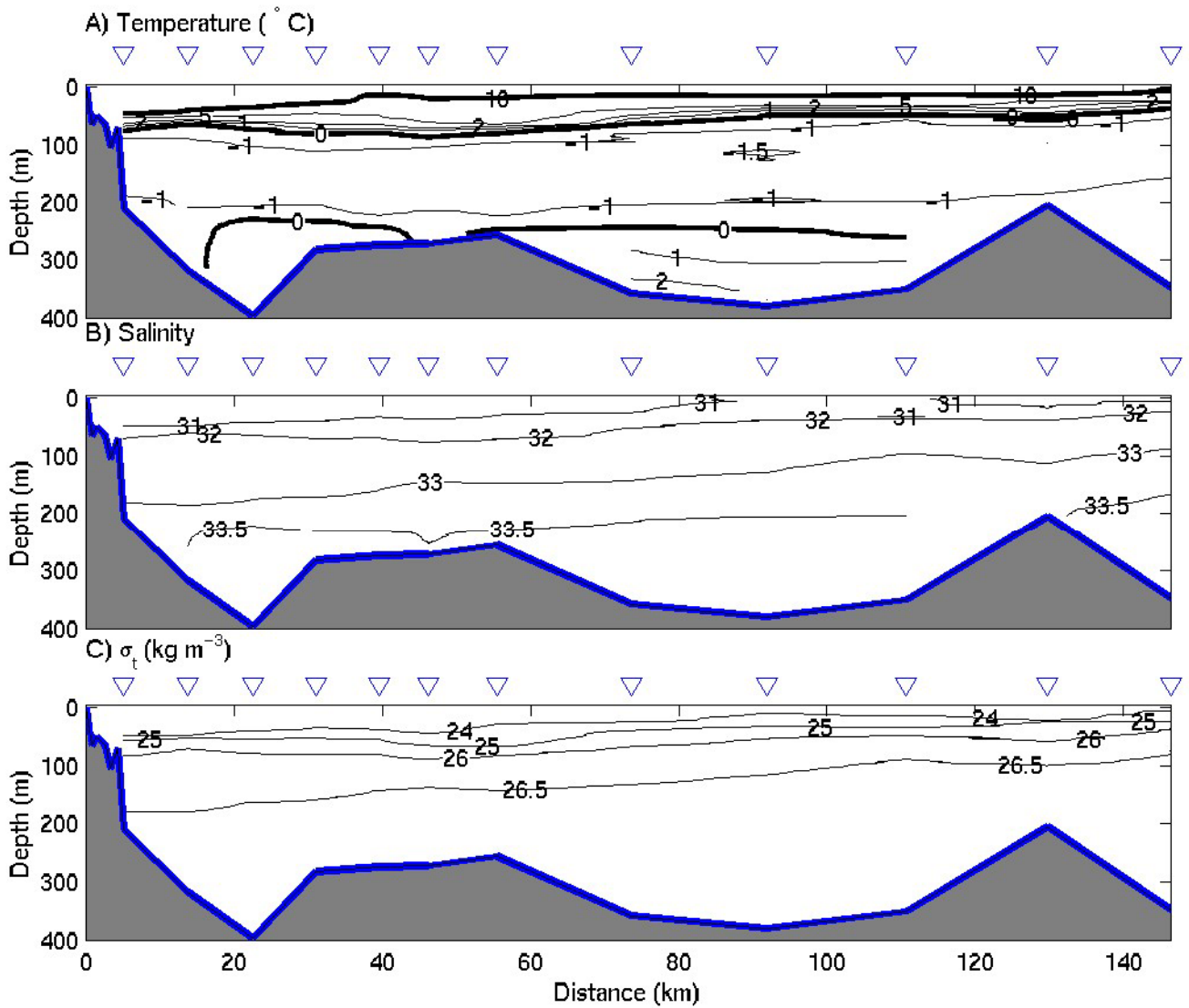


Figure 9: Transect D, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from September 1986 (along bay, Green Bay and Notre Dame Bay). See Figure 1.

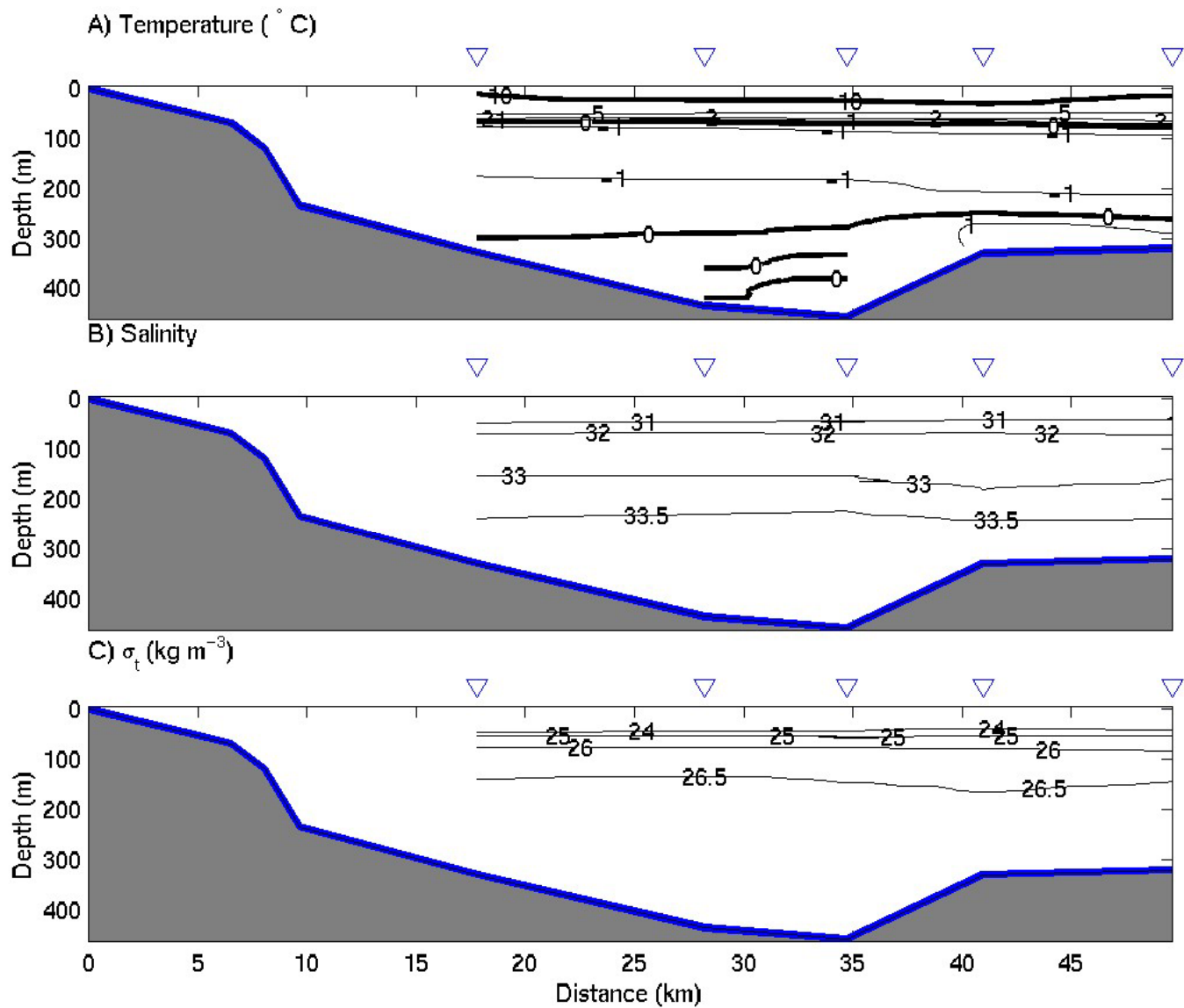


Figure 10: Transect E, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from September 1986 (along bay, Hall Bay). See Figure 1.

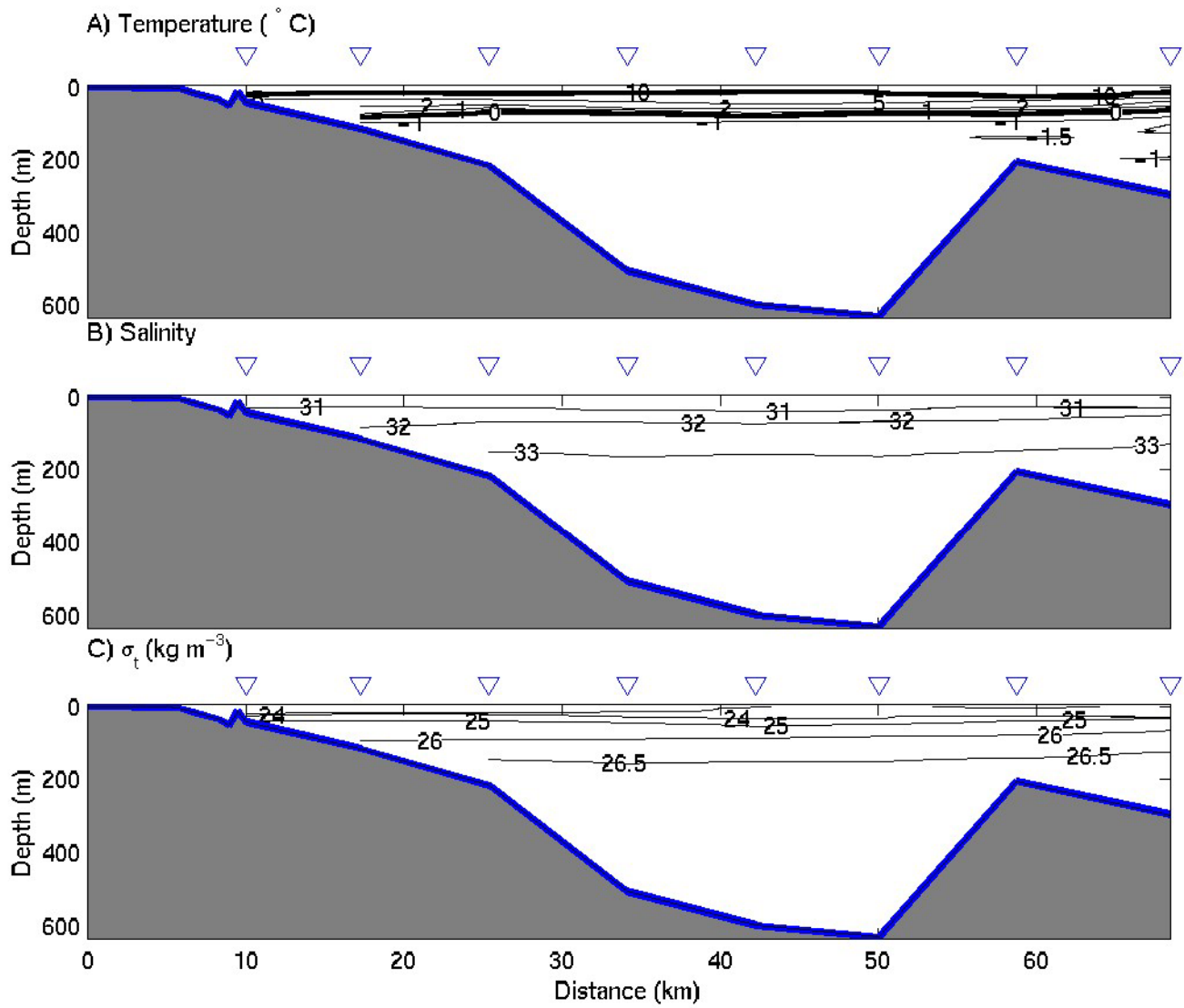


Figure 11: Transect F, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from September 1986 (along bay, Bay of Exploits). See Figure 1

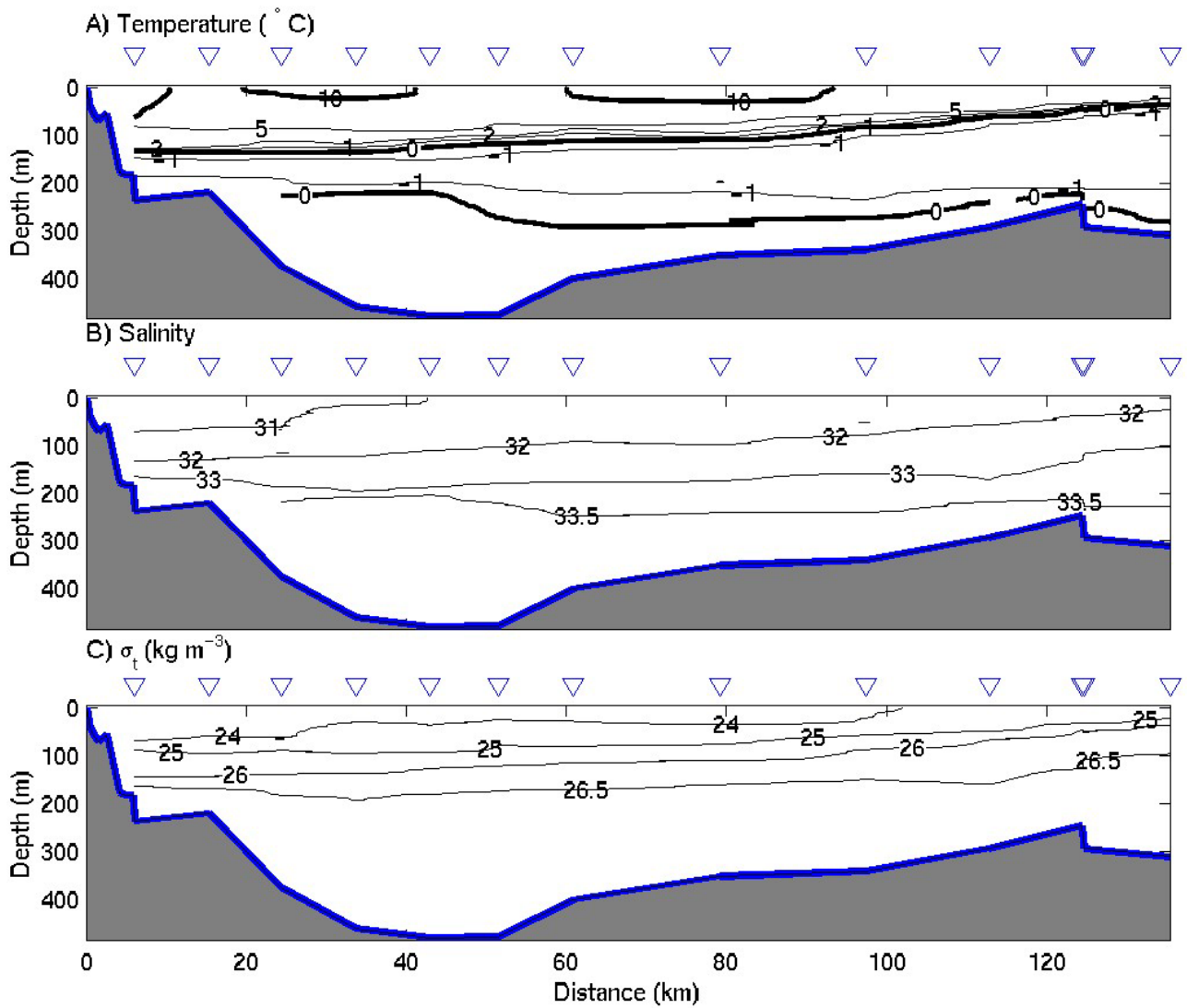


Figure 12: Transect G, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from September 1986 (along bay, White Bay and beyond). See Figure 1.

November 1986

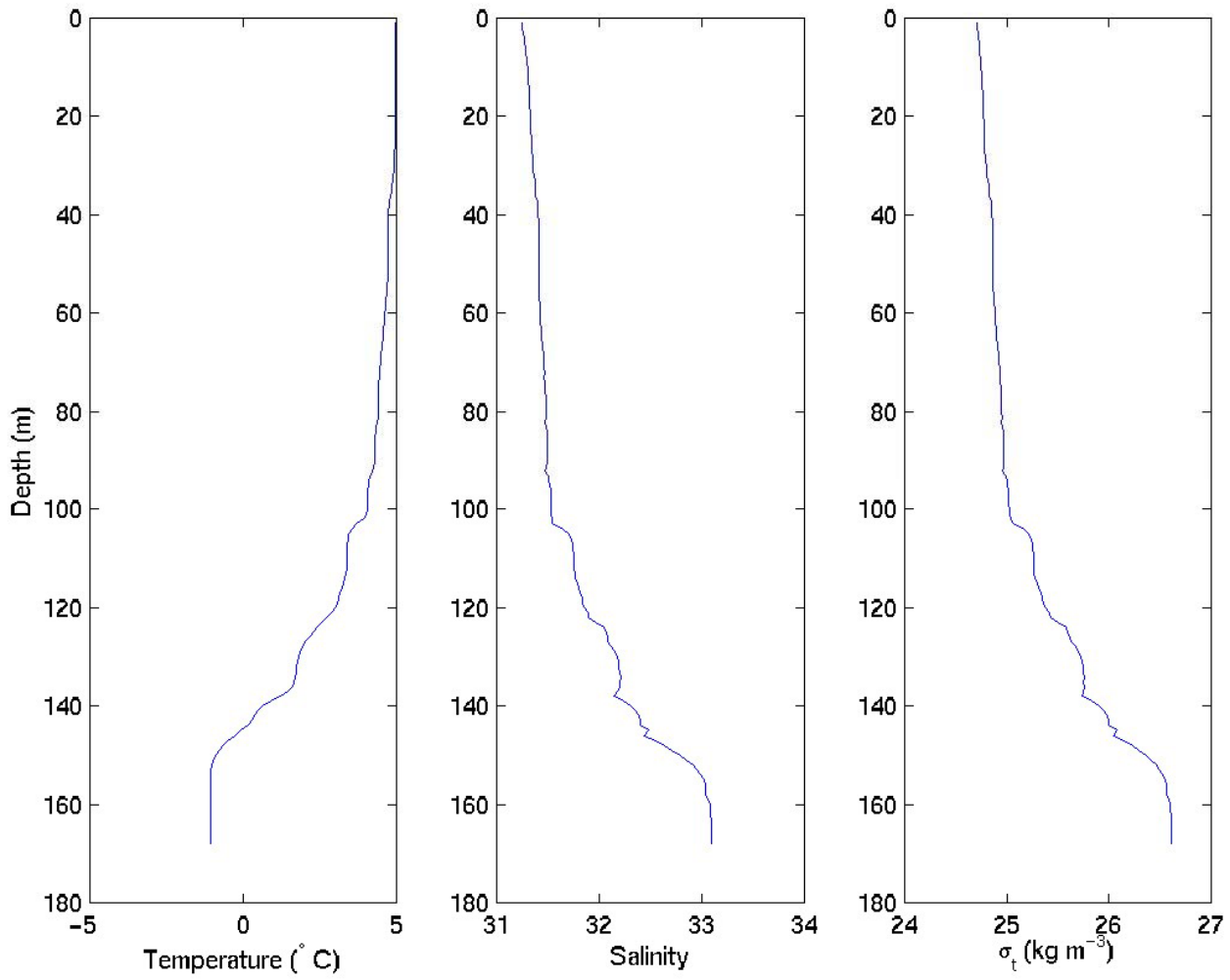


Figure 13: CTD vertical profile A, for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from November 1986 (St. John's Harbour). See Figure 2.

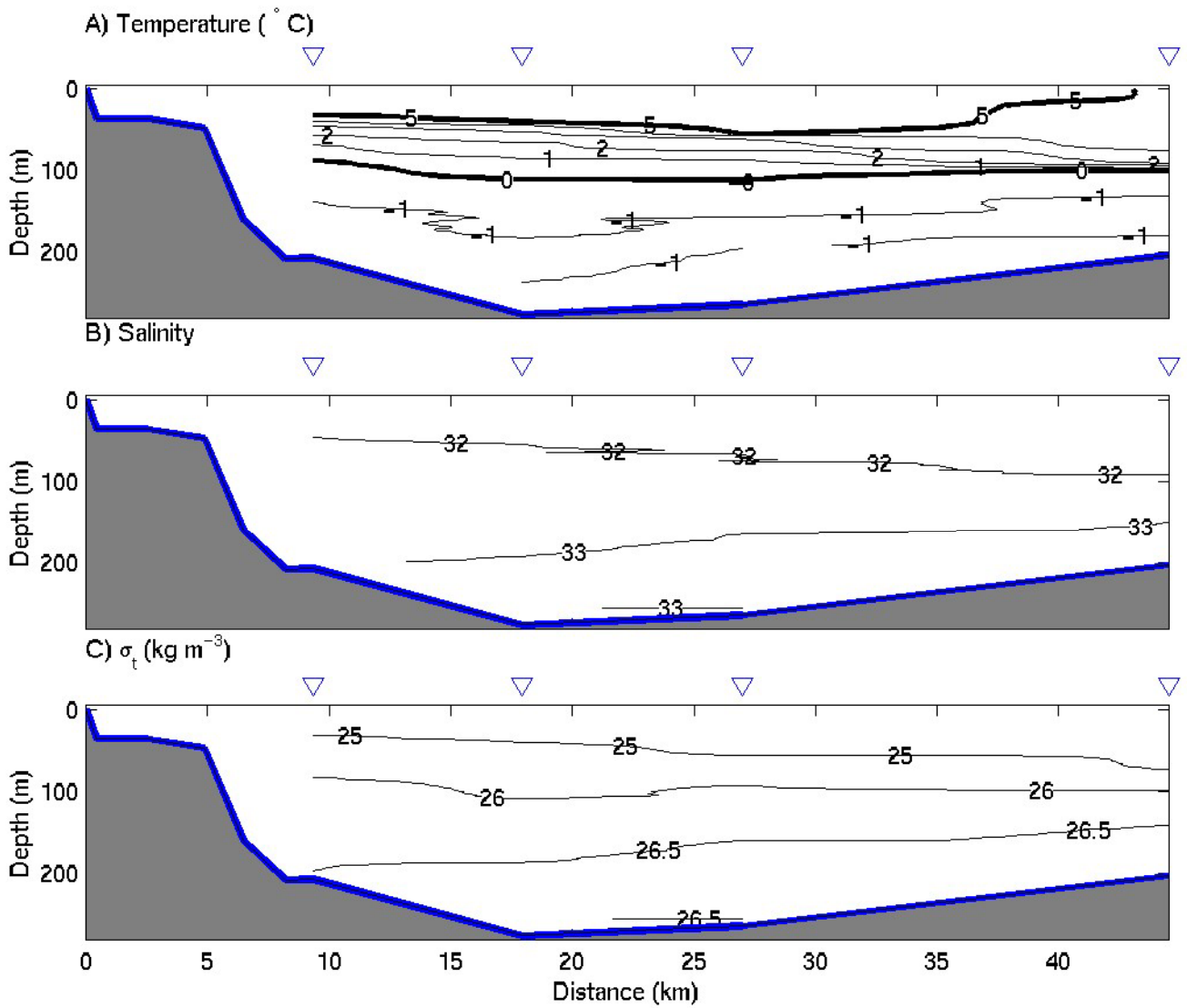


Figure 14: Transect B, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from November 1986 (along bay, Conception Bay). See Figure 2.

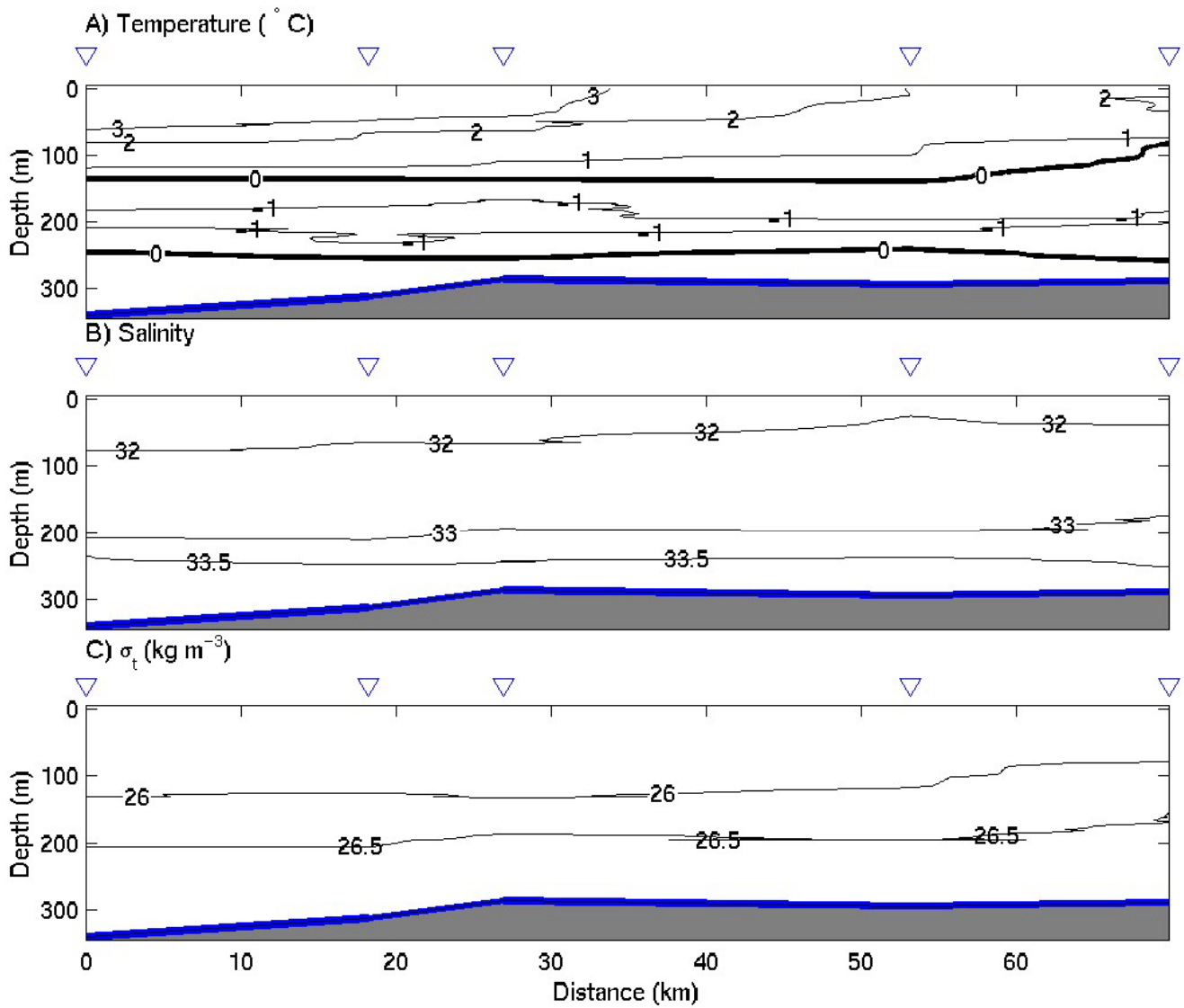


Figure 15: Transect C, profiles for temperature ($^{\circ}\text{C}$), salinity, and density (σ_t – kg m^{-3}) profiles from November 1986 (along bay, Trinity Bay). See Figure 2.

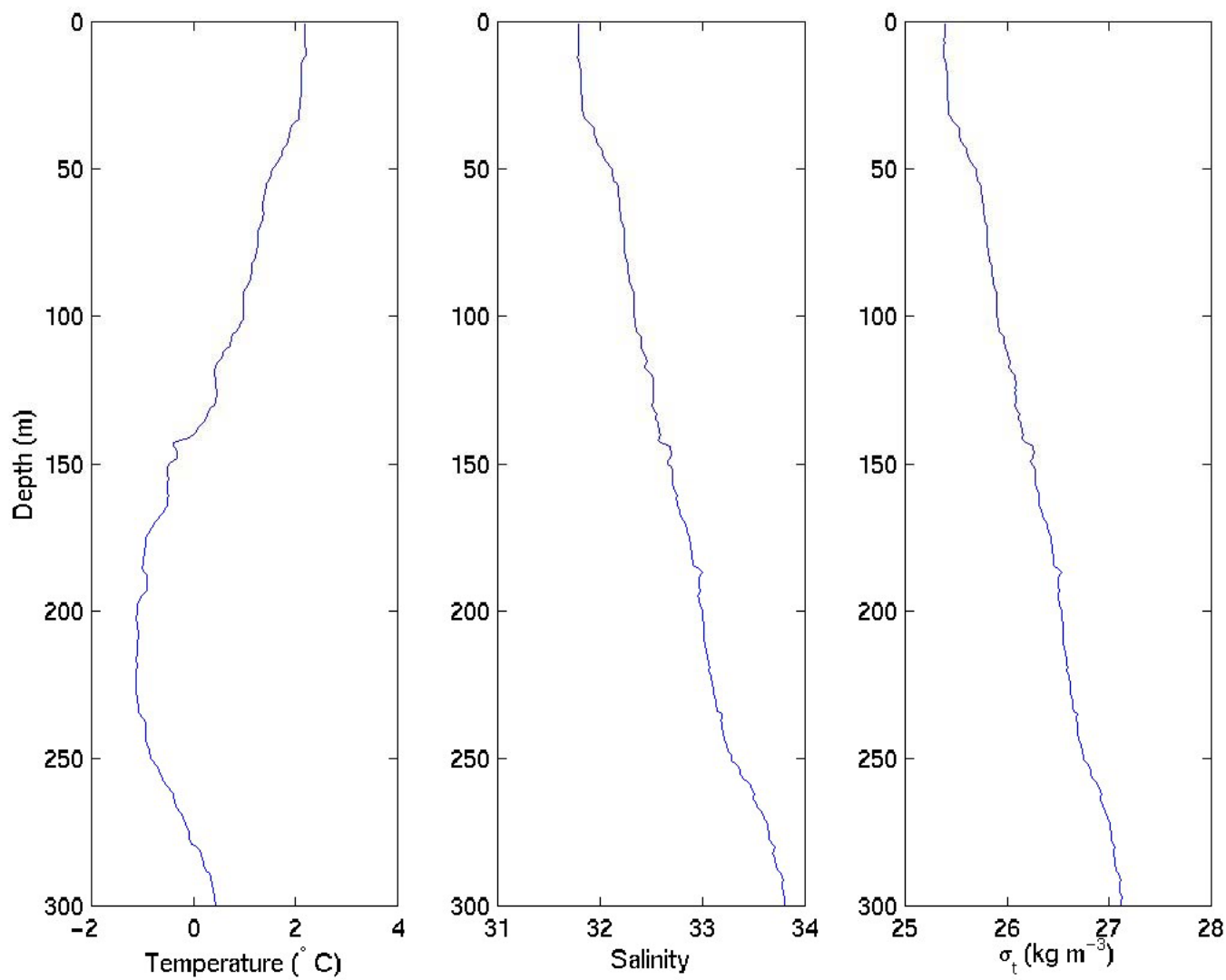


Figure 16: CTD vertical profile D, for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from September 1986 (Bonavista Bay). See Figure 2.

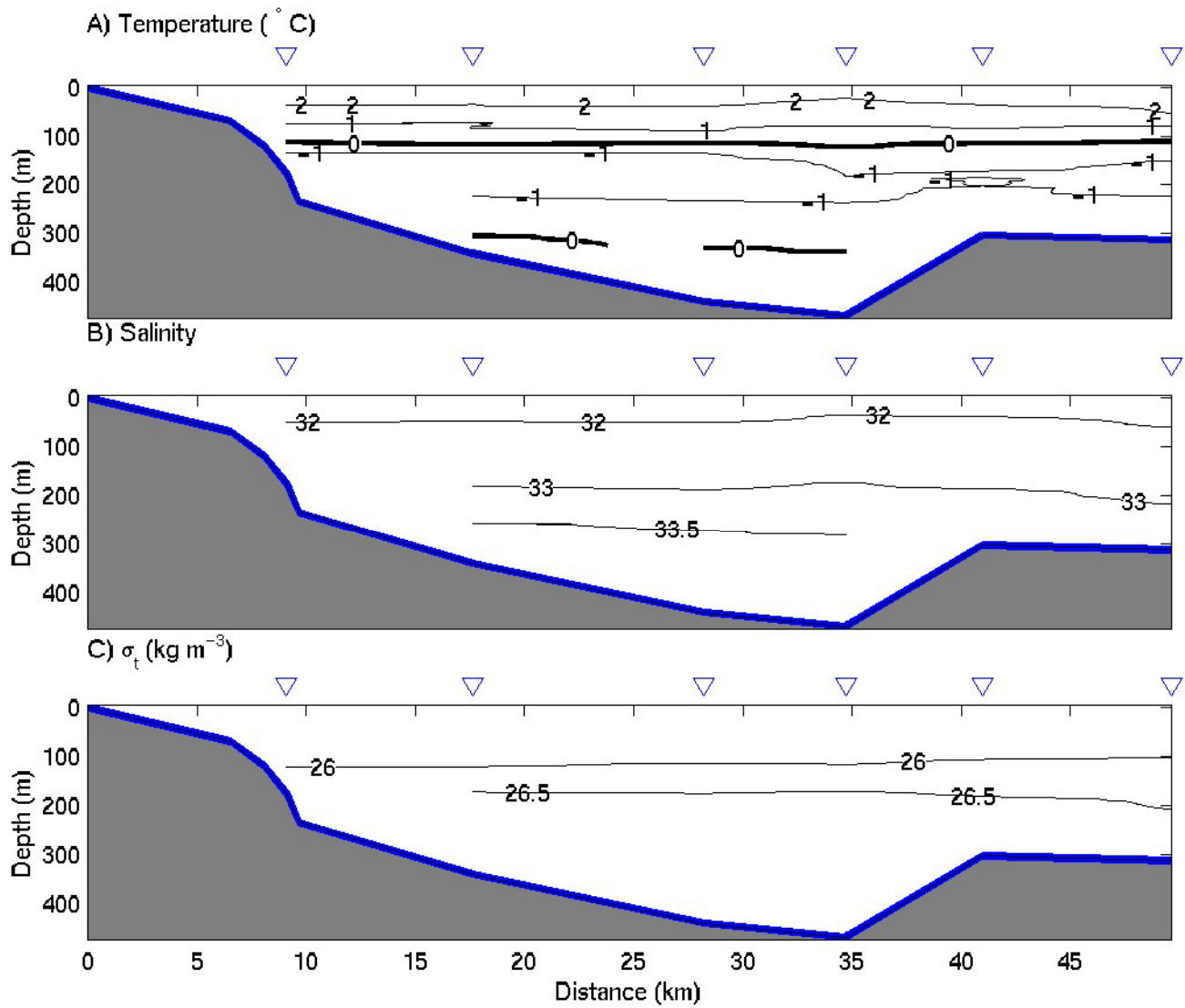


Figure 17: Transect E, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from November 1986 (along bay, Hall Bay). See Figure 2.

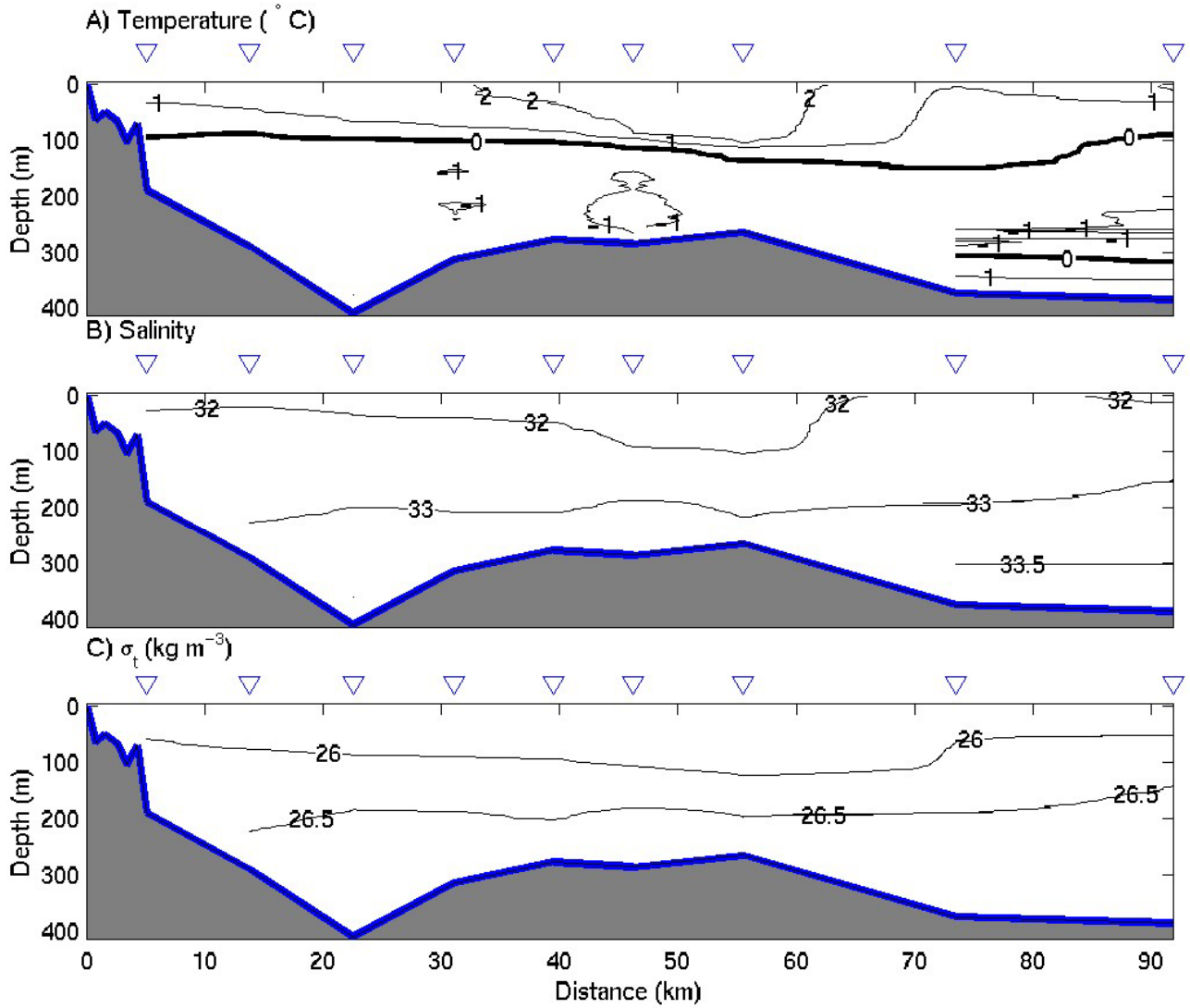


Figure 18: Transect F, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from November 1986 (along bay, Green Bay and Notre Dame Bay). See Figure 2.

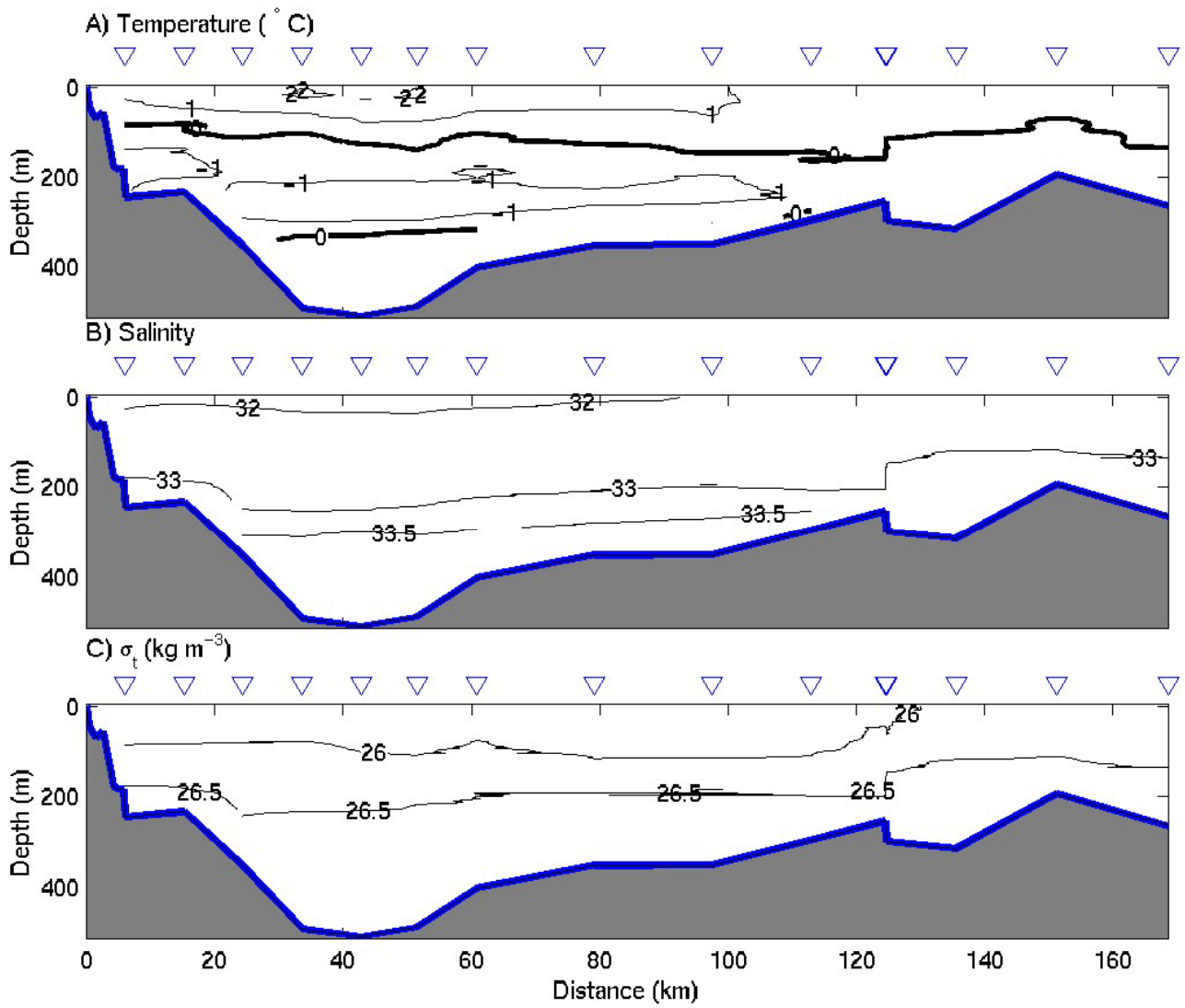


Figure 19: Transect G, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from September 1986 (along bay, White Bay and beyond). See Figure 2.

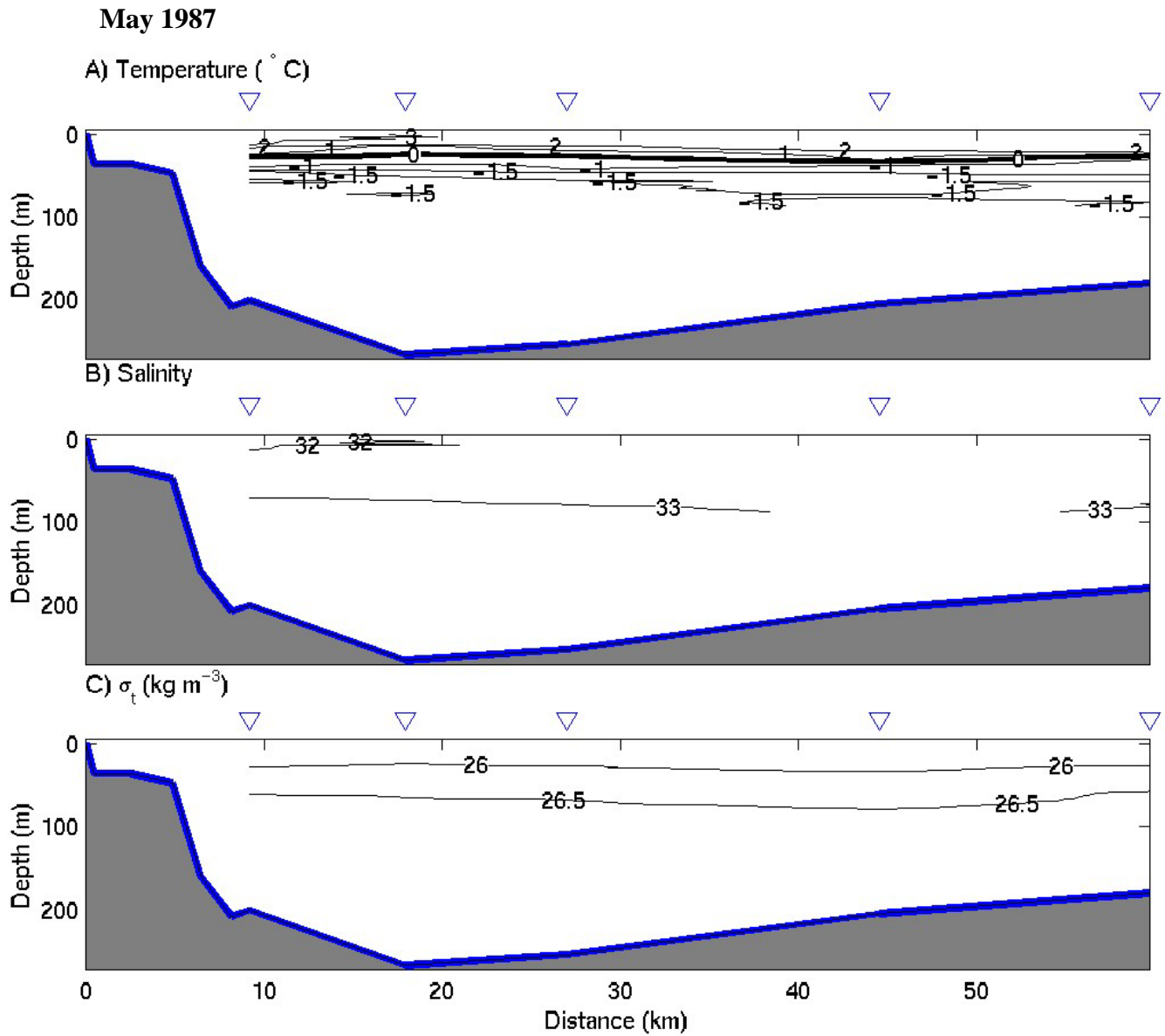


Figure 20: Transect A, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from May 1987 (along bay, Conception Bay). See Figure 3.

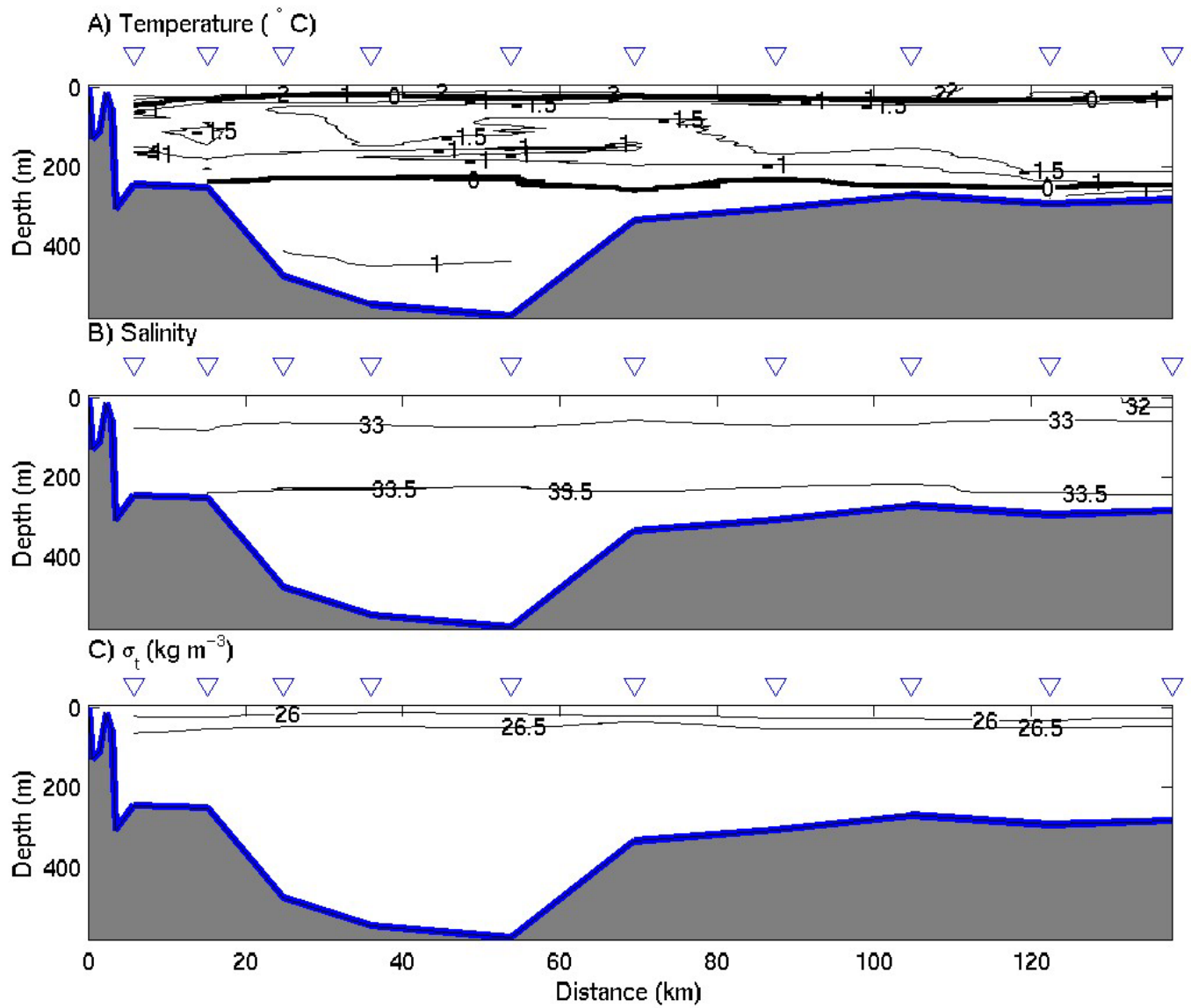


Figure 21: Transect B, profiles for temperature (° C), salinity, and density (σ_t – kg m⁻³) profiles from May 1987 (along bay, Trinity Bay). See Figure 3.

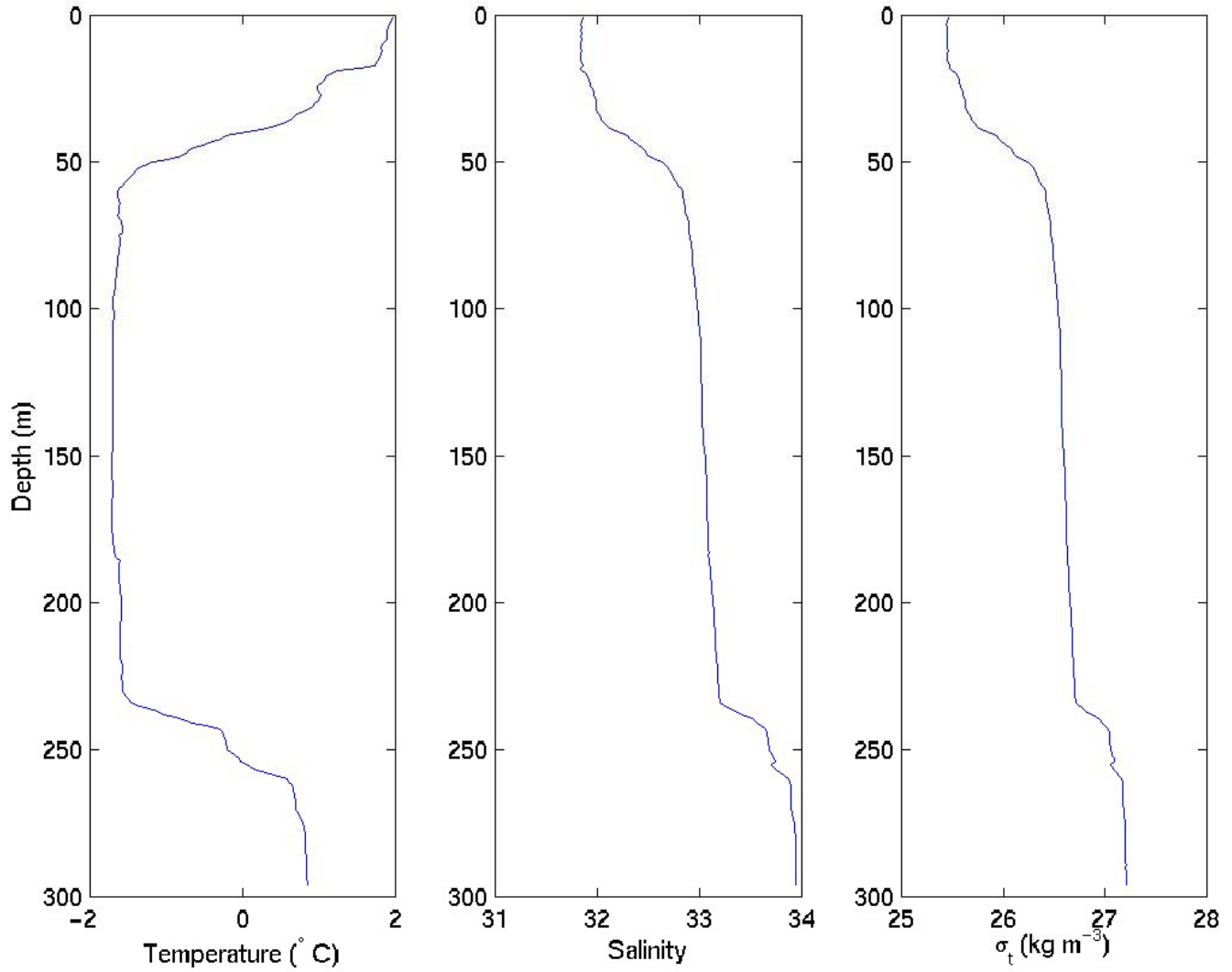


Figure 22: CTD vertical profile C, for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from May 1987 (Bonavista Bay). See Figure 3.

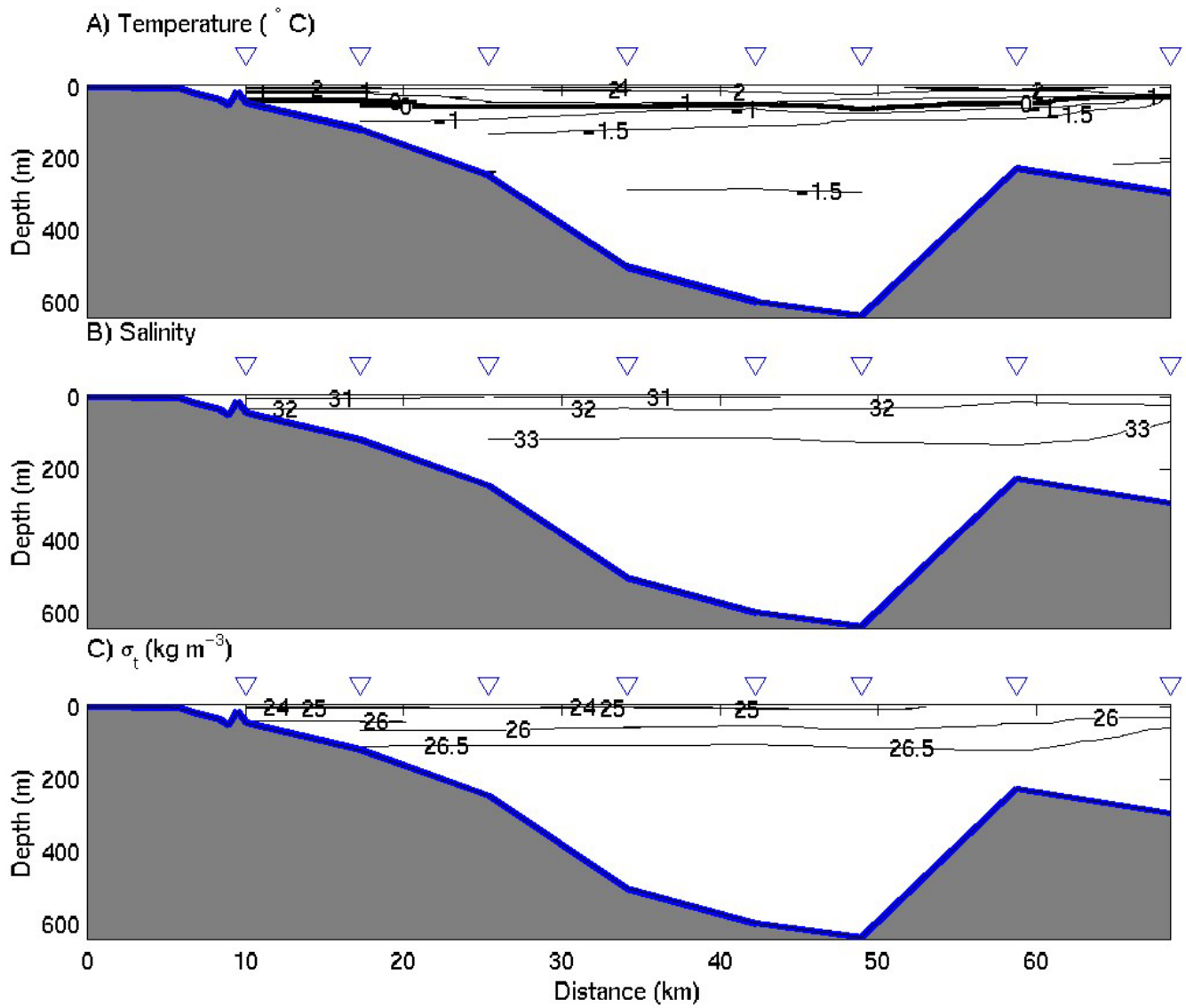


Figure 23: Transect D, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from May 1987 (along bay, Bay of Exploits). See Figure 3.

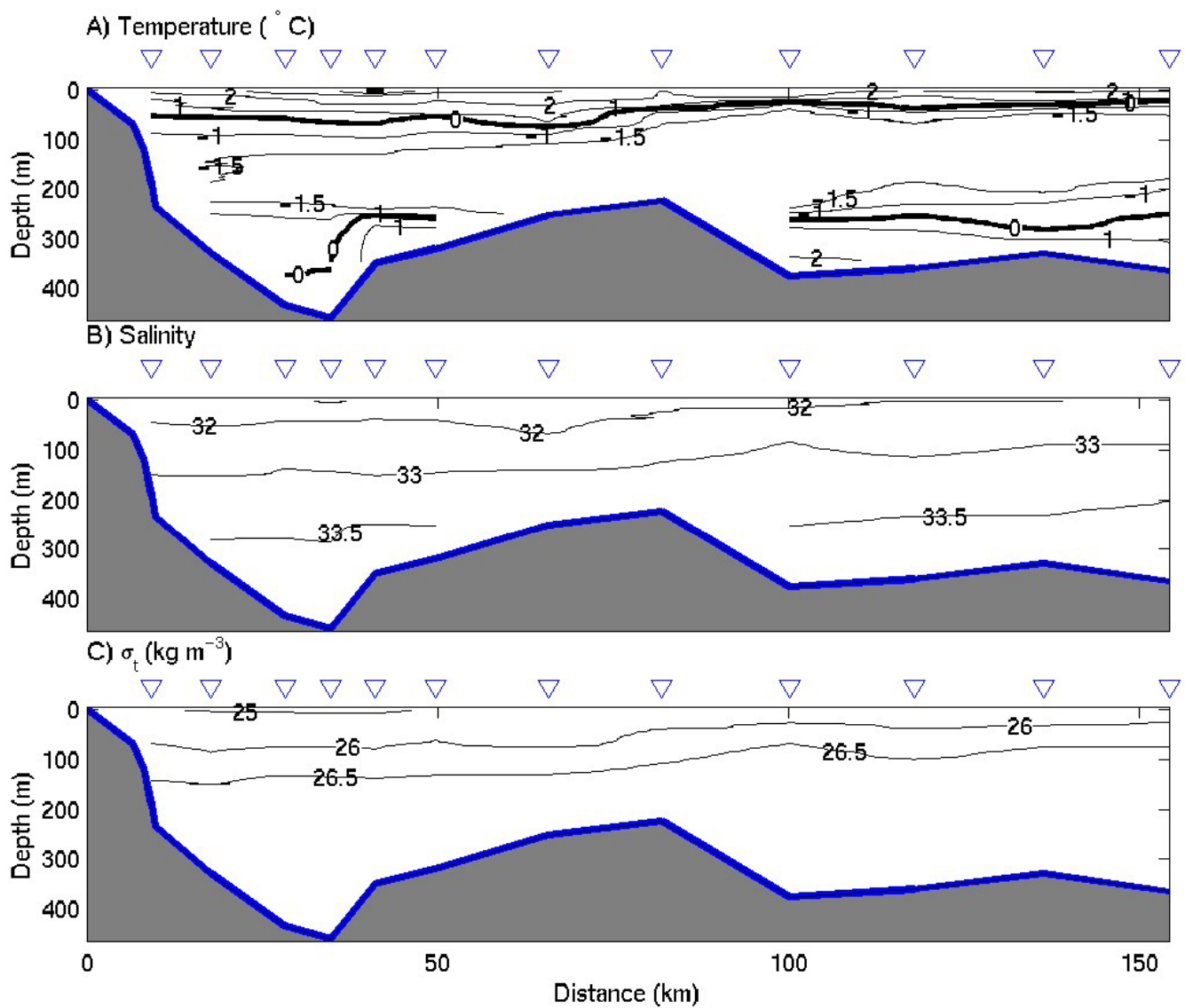


Figure 24: Transect E, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from May 1987 (along bay, Hall Bay and Notre Dame Bay). See Figure 3.

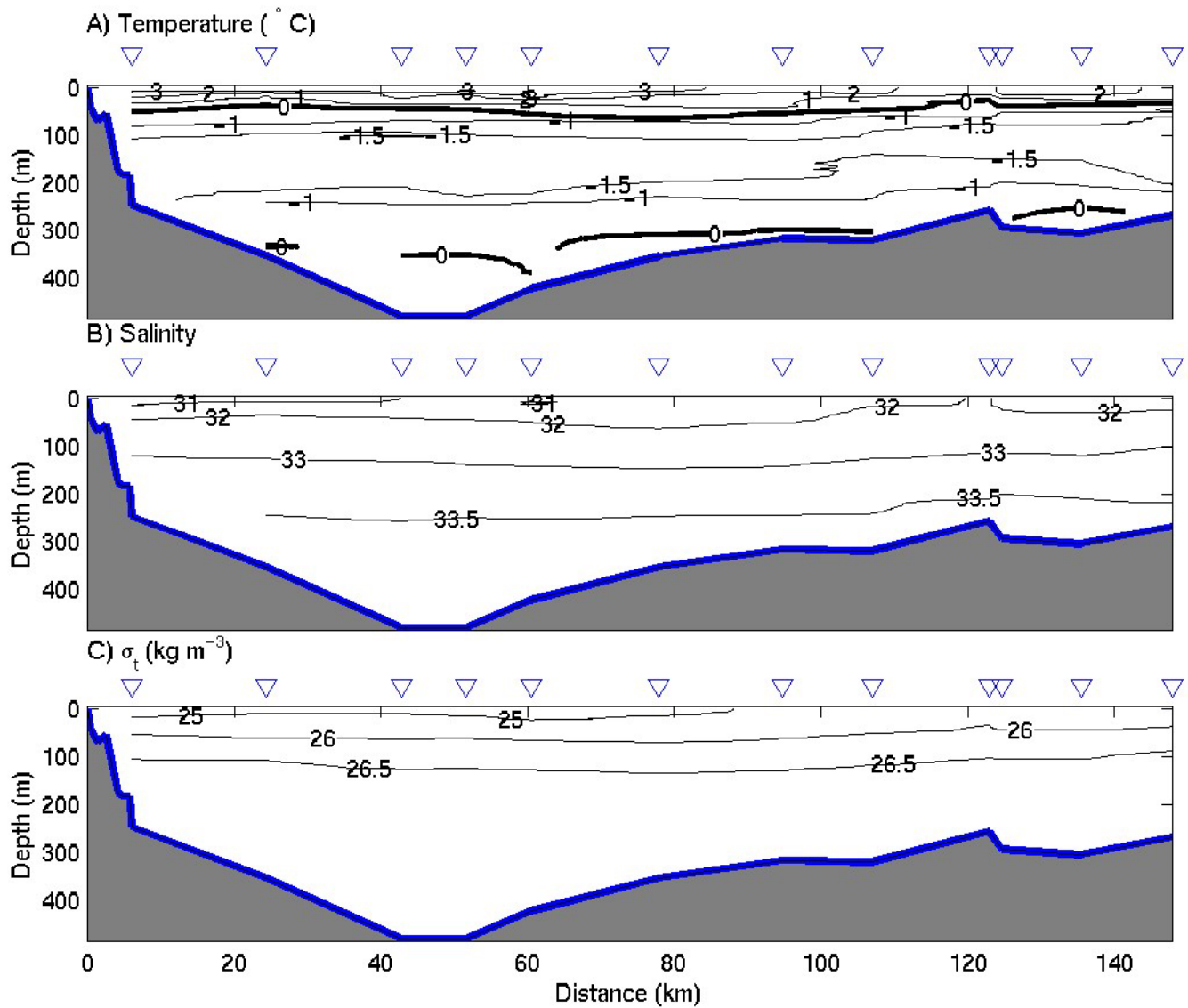


Figure 25: Transect F, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from May 1987 (along bay, White Bay and beyond). See Figure 3.

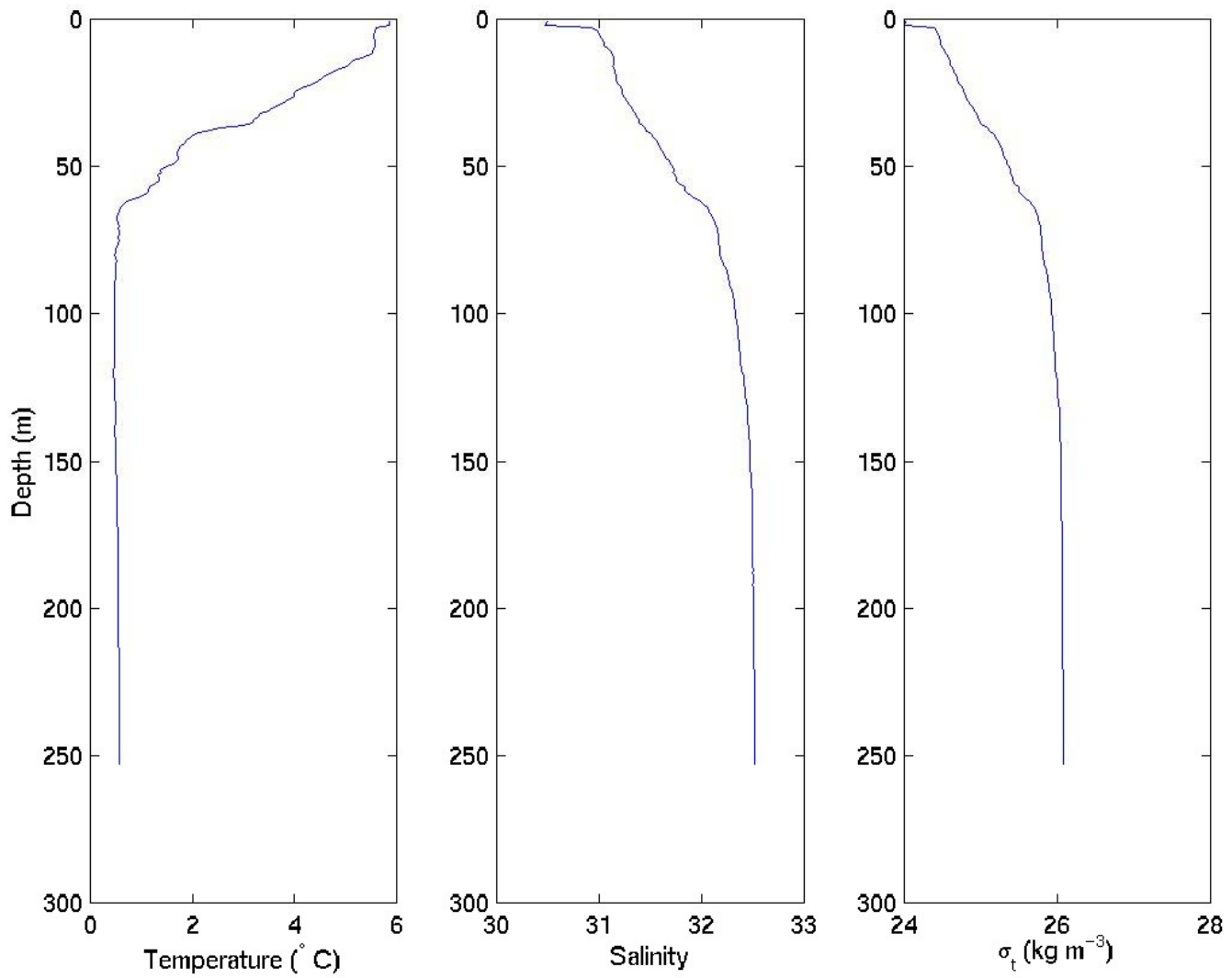


Figure 26: CTD vertical profile G, for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from May 1987 (Bay of Islands). See Figure 3.

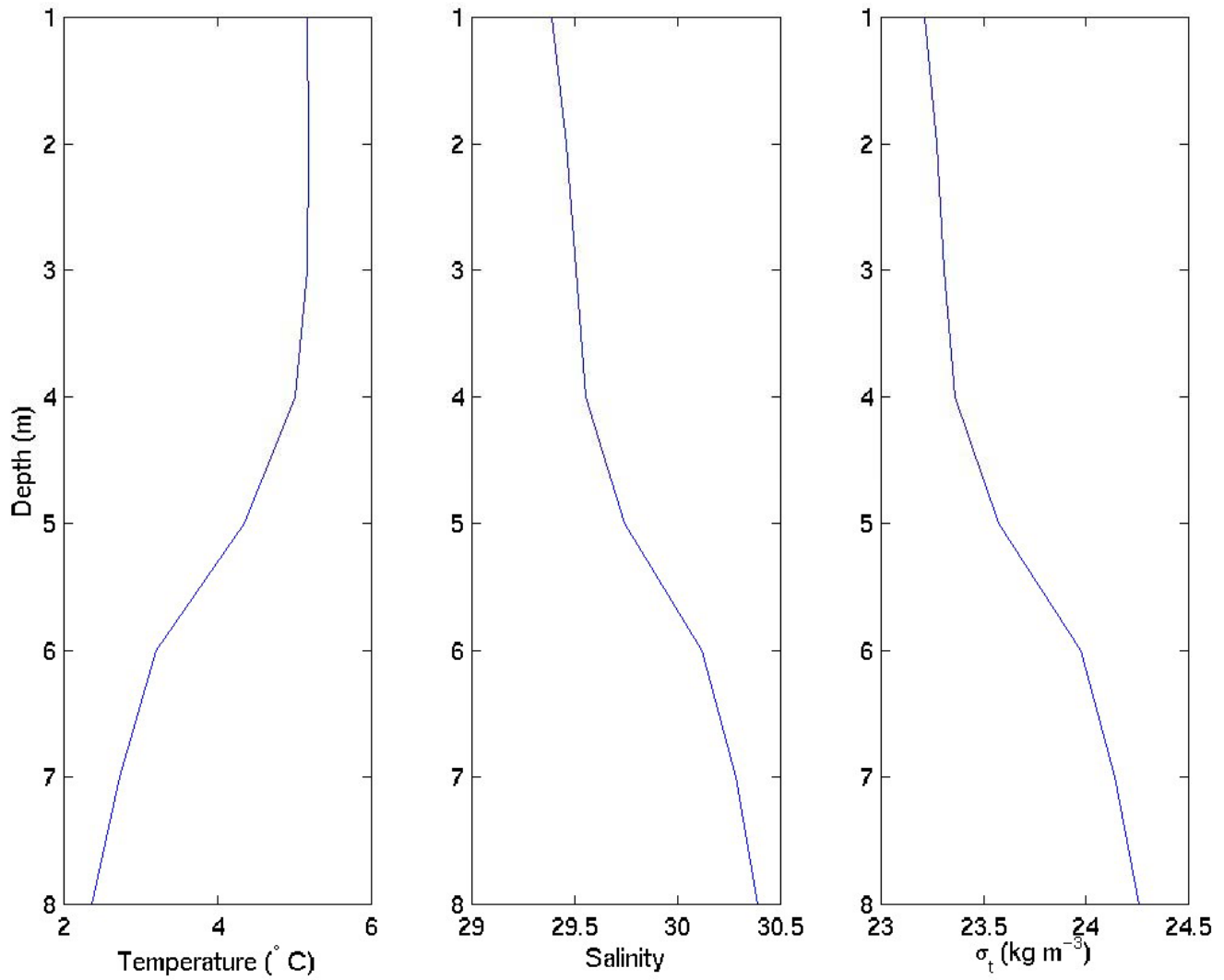


Figure 27: CTD vertical profile H, for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from May 1987 (Bedford Basin). Not shown in Figure 3.

August 1987

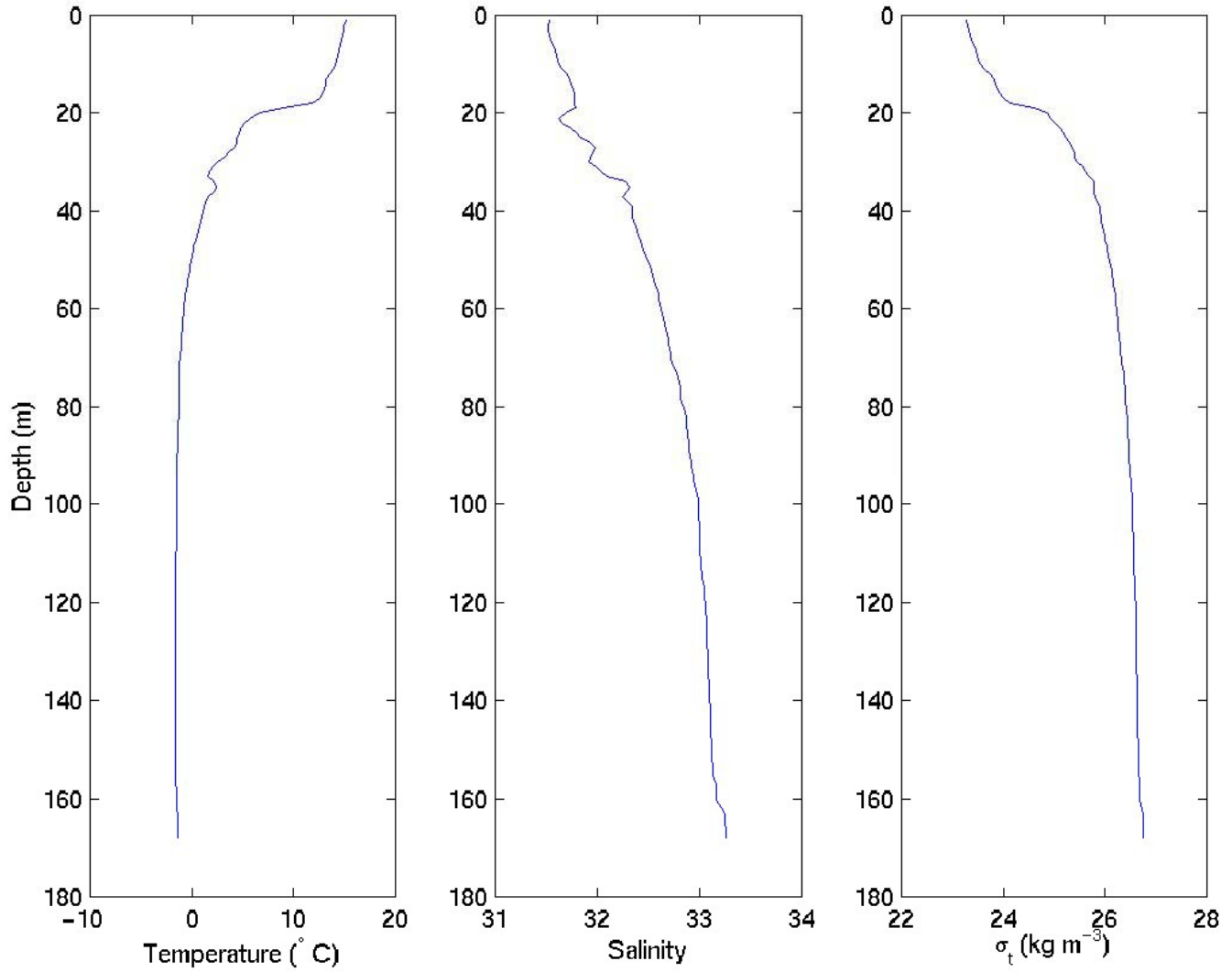


Figure 28: CTD vertical profile A, for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from August 1987 (St. John's Harbour). See Figure 4.

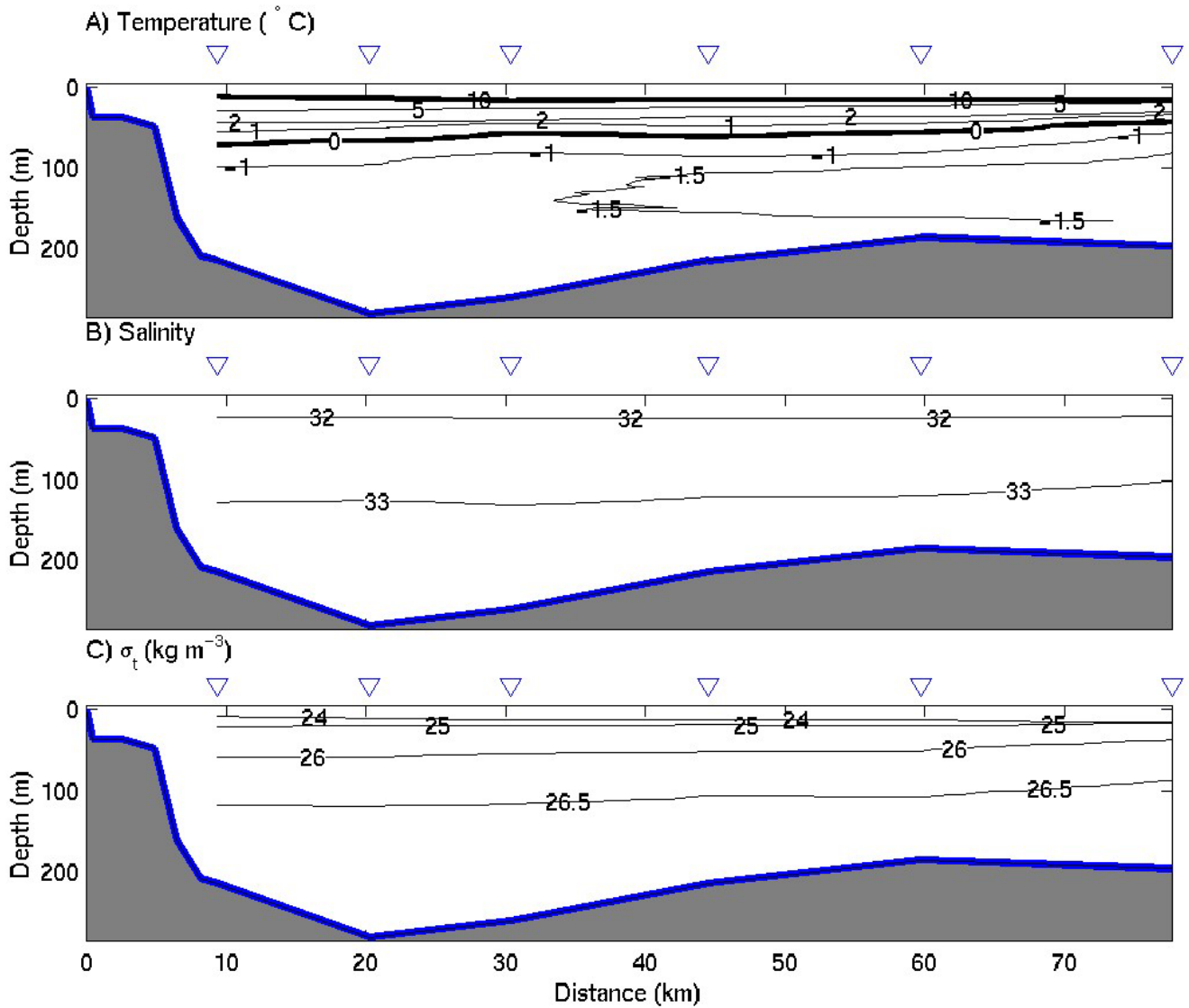


Figure 29: Transect B, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from August 1987 (along bay, Conception Bay). See Figure 4.

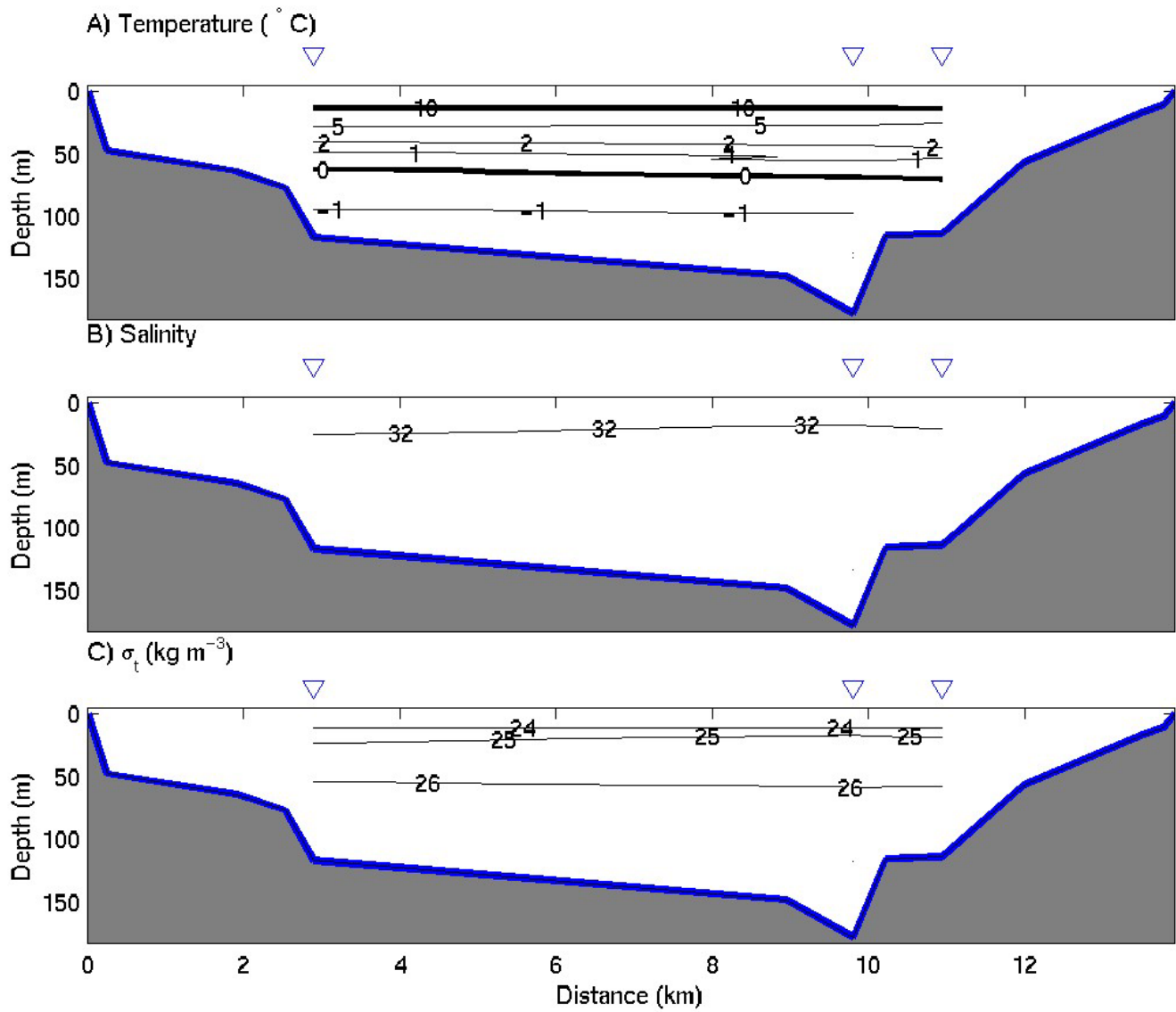


Figure 30: Transect C, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from August 1987 (cross section, head of Conception Bay). See Figure 4.

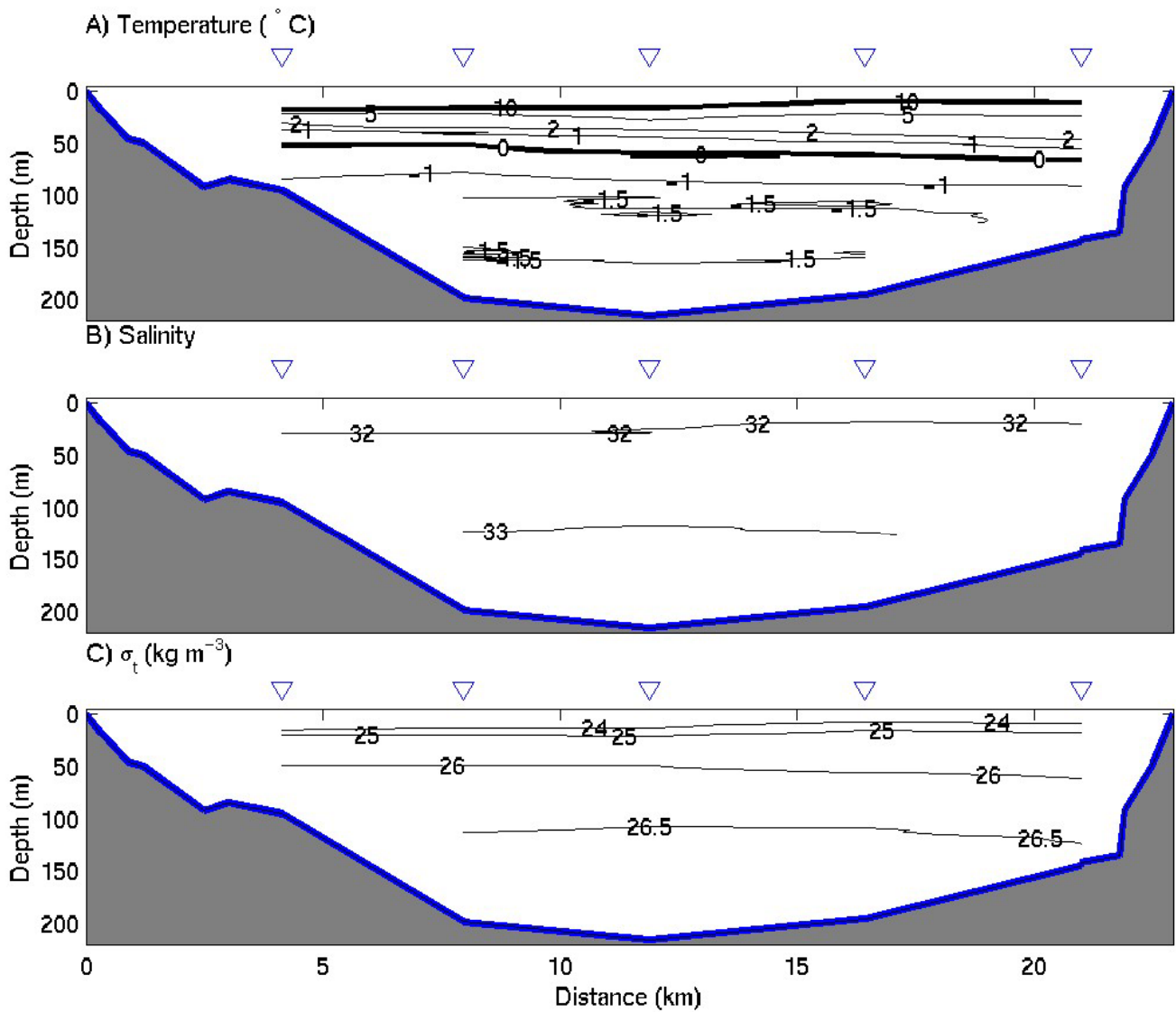


Figure 31: Transect D, profiles for temperature ($^{\circ}\text{C}$), salinity, and density (σ_t – kg m^{-3}) profiles from August 1987 (cross section, middle of Conception Bay). See Figure 4.

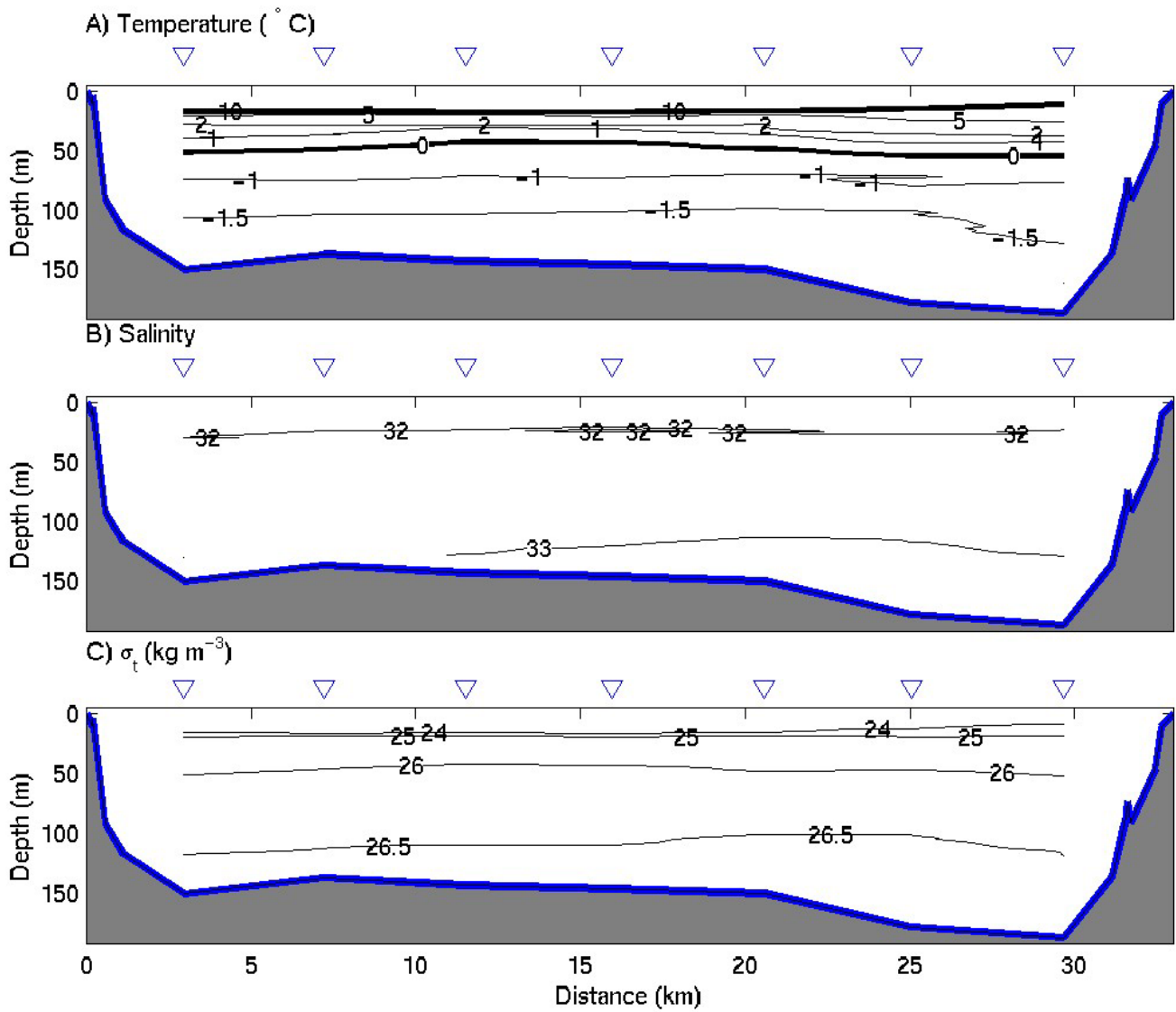


Figure 32: Transect E, profiles for temperature ($^{\circ}\text{C}$), salinity, and density (σ_t – kg m^{-3}) profiles from August 1987 (cross section, mouth of Conception Bay). See Figure 4.

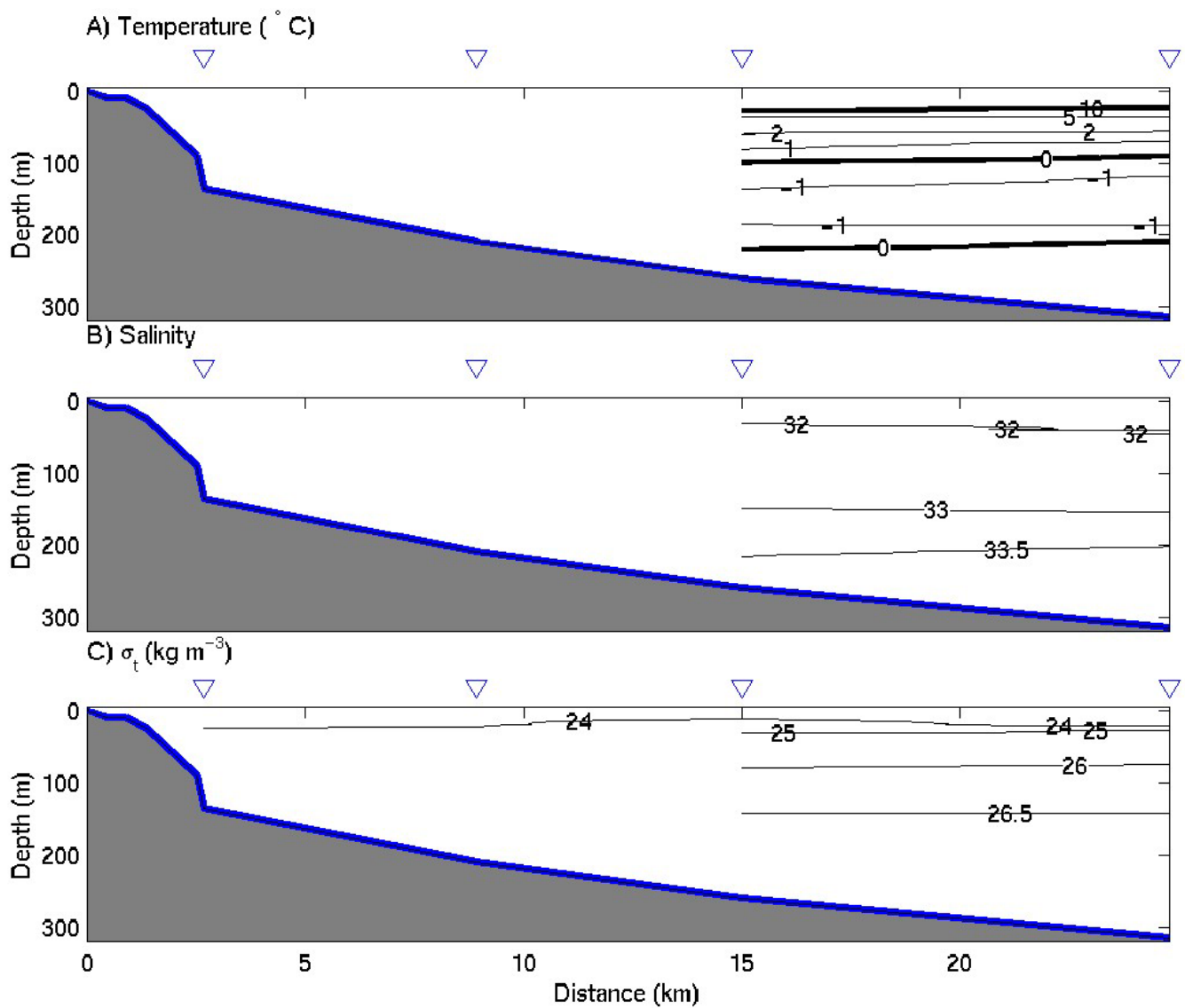


Figure 33: Transect F, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from August 1987 (along bay, Southwest Arm of Random Sound). See Figure 4.

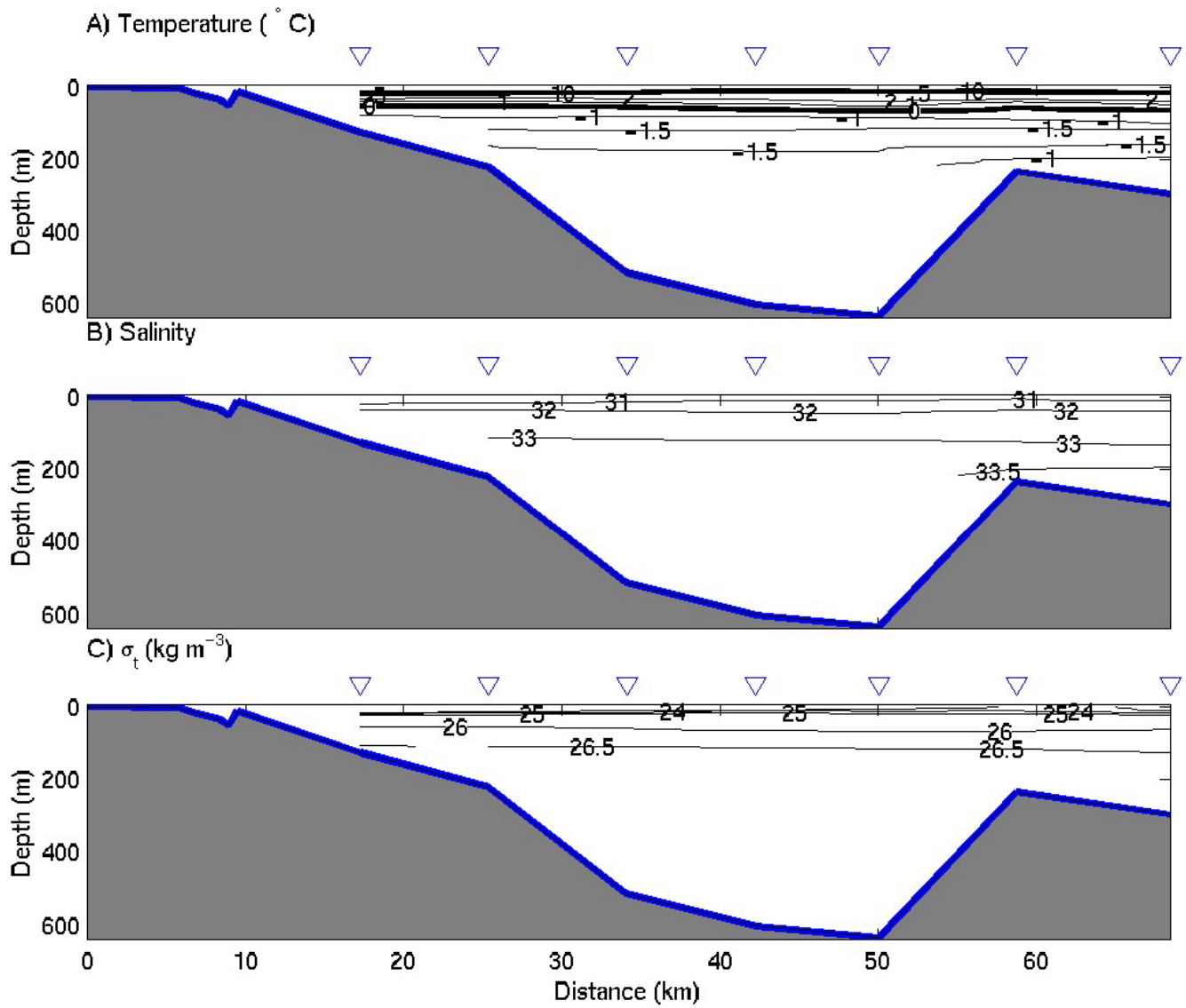


Figure 35: Transect EX, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from August 1987 (along bay, Bay of Exploits). See Figure 4.

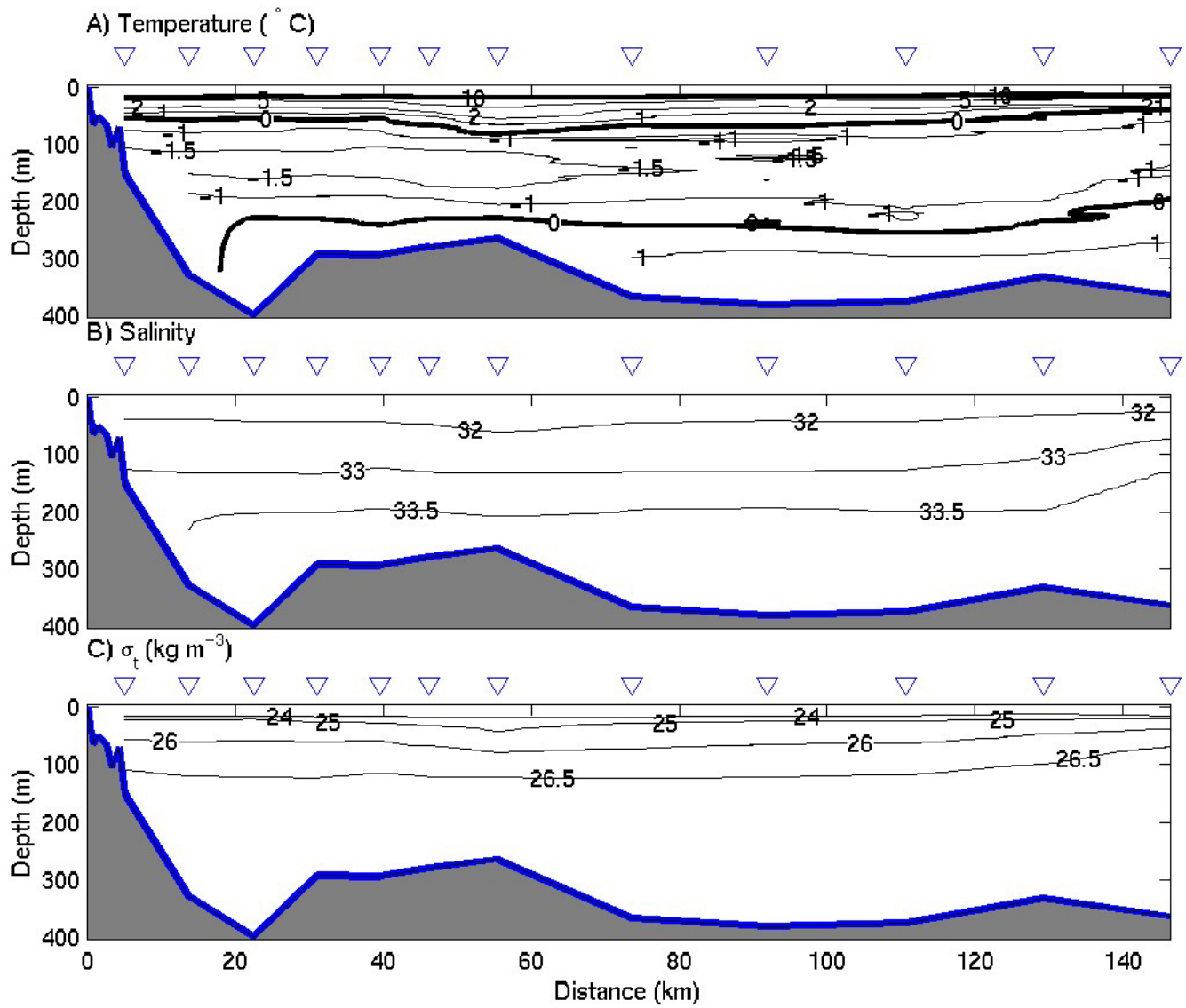


Figure 36: Transect H, profiles for temperature ($^{\circ}\text{C}$), salinity, and density (σ_t – kg m^{-3}) profiles from August 1987 (along bay, Green Bay and Notre Dame Bay). See Figure 4.

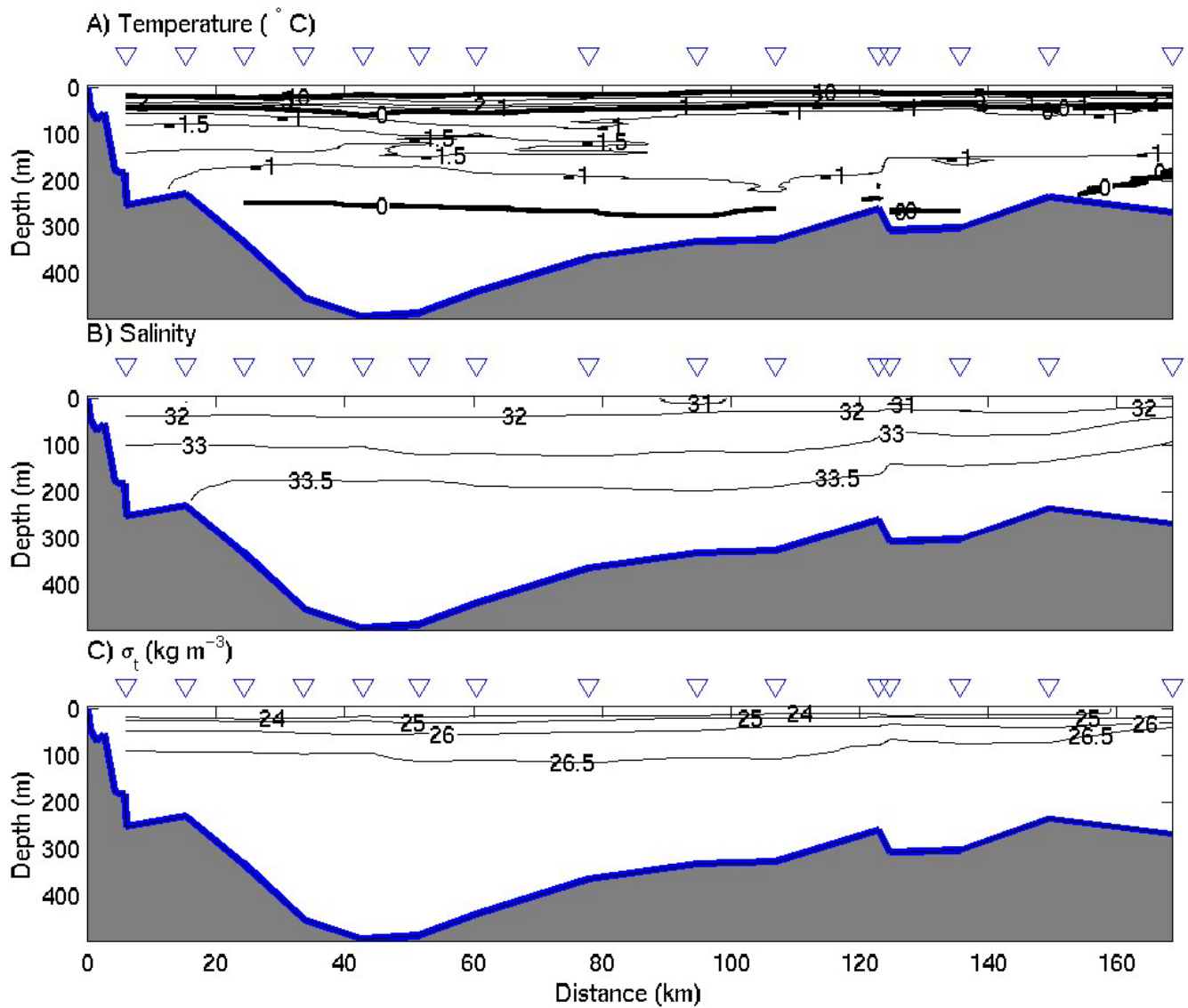


Figure 37: Transect I, profiles for temperature (° C), salinity, and density (σ_t – kg m⁻³) profiles from August 1987 (along bay, White Bay and beyond). See Figure 4.

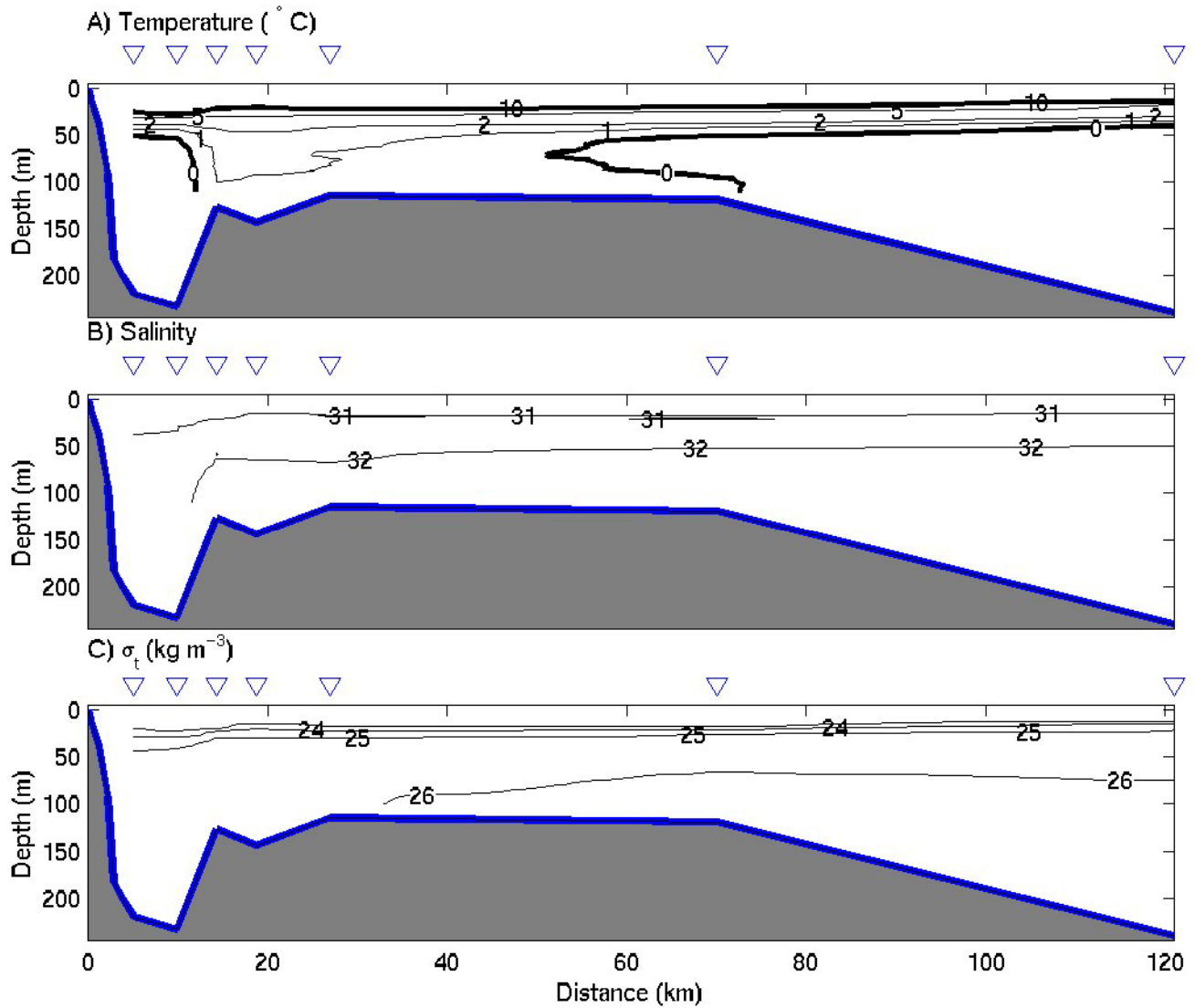


Figure 38: Transect J, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from August 1987 (along bay, Bonne Bay and Gulf of St. Lawrence). See Figure 4.

December 1987

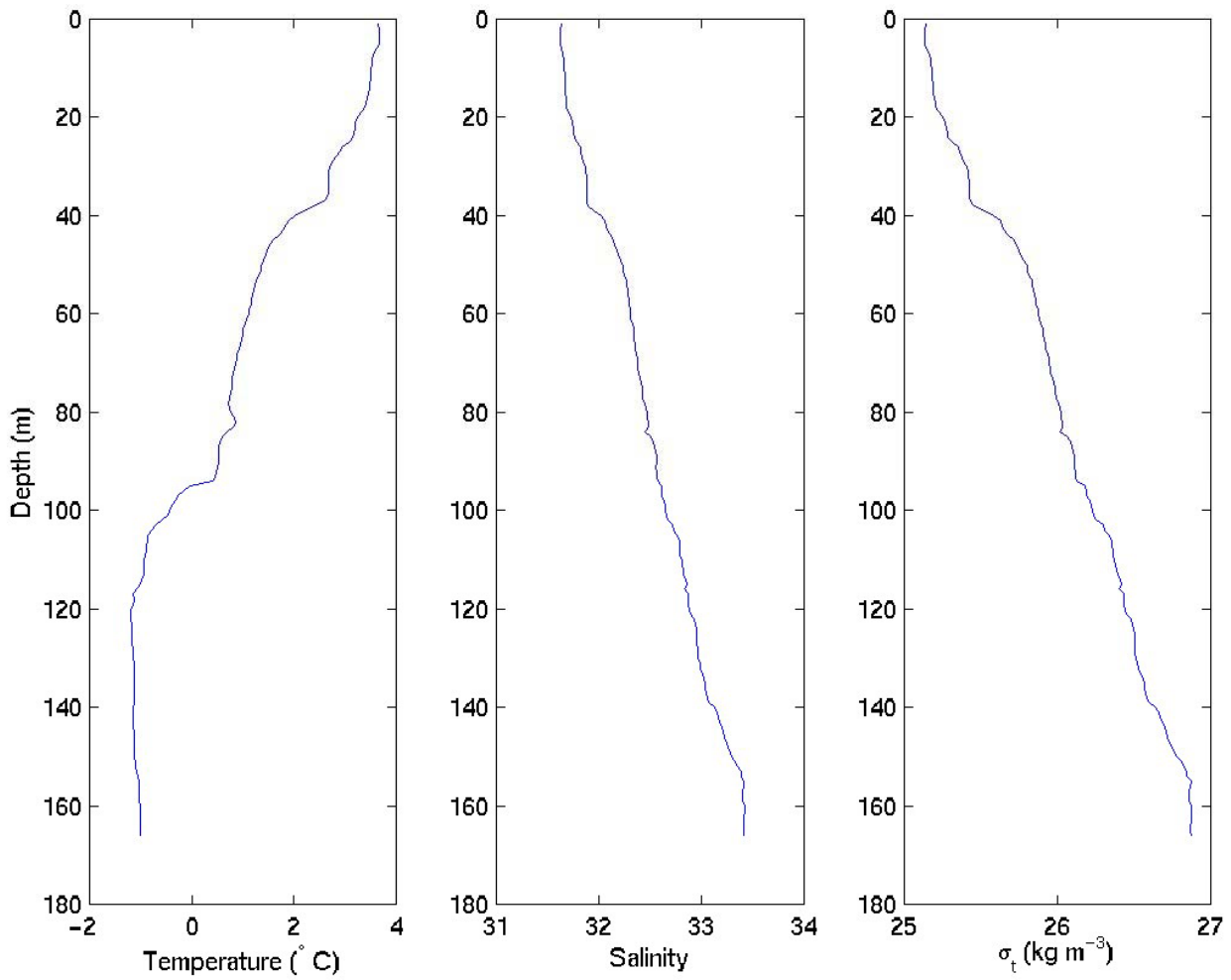


Figure 39: CTD vertical profile A, for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from December 1987 (St. John's Harbour). See Figure 5.

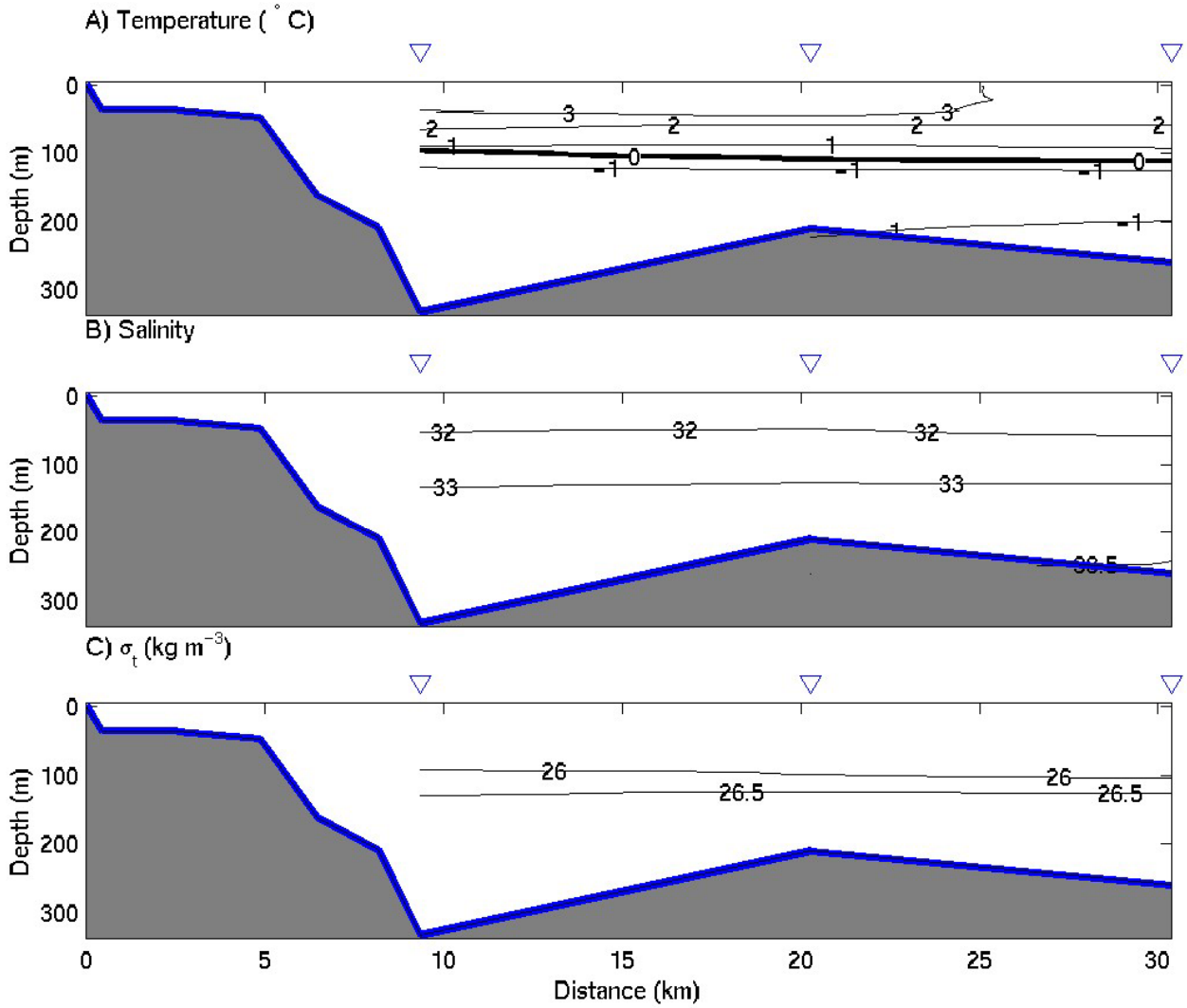


Figure 40: Transect B, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from December 1987 (along bay Conception Bay). See Figure 5.

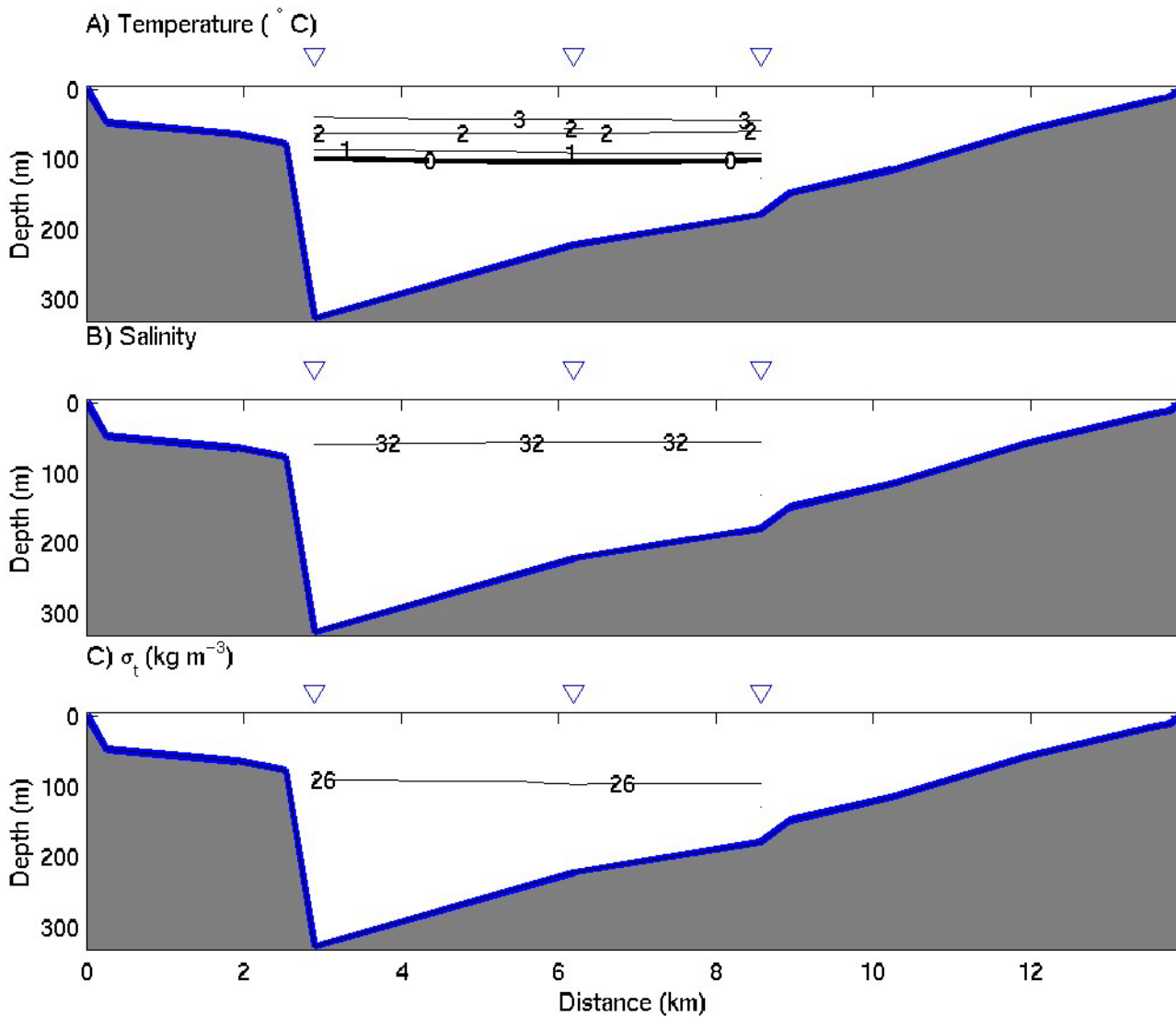


Figure 41: Transect C, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from December 1987 (cross section, head of Conception Bay). See Figure 5.

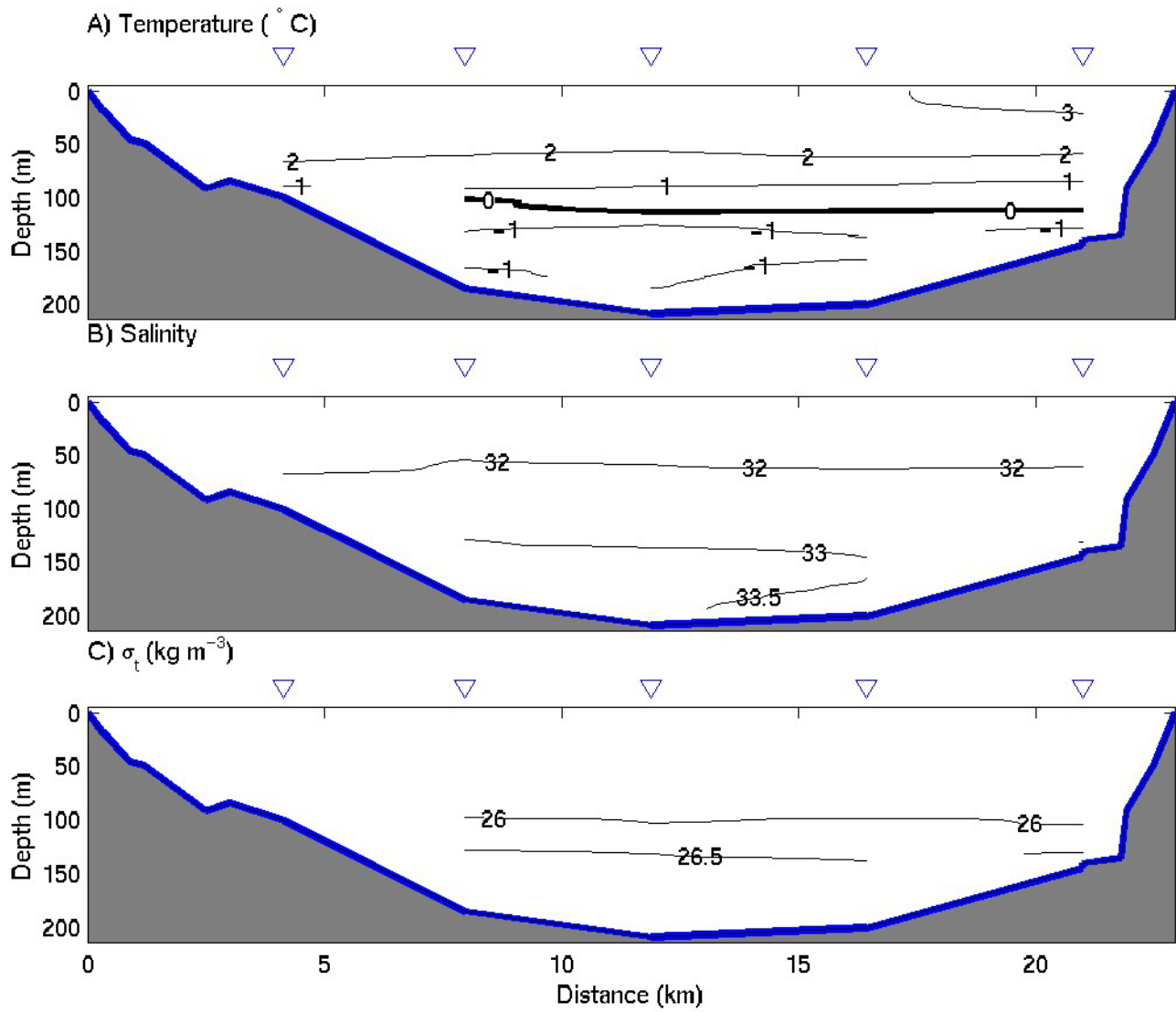


Figure 42: Transect D, profiles for temperature ($^{\circ}\text{C}$), salinity, and density (σ_t – kg m^{-3}) profiles from December 1987 (cross section, middle of Conception Bay). See Figure 5.

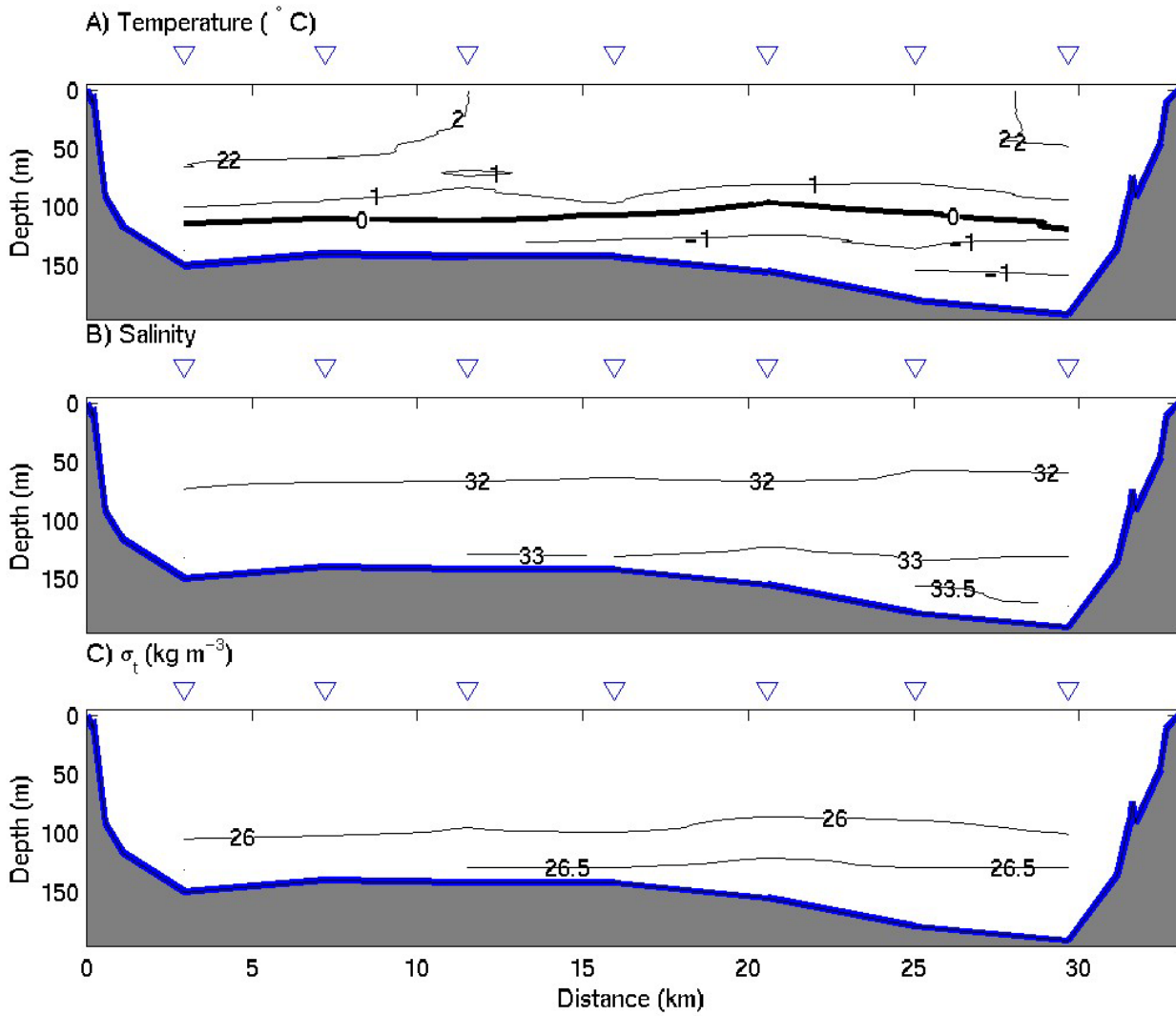


Figure 43: Transect E, profiles for temperature ($^{\circ}\text{C}$), salinity, and density (σ_t – kg m^{-3}) profiles from December 1987 (cross section, mouth of Conception Bay). See Figure 5.

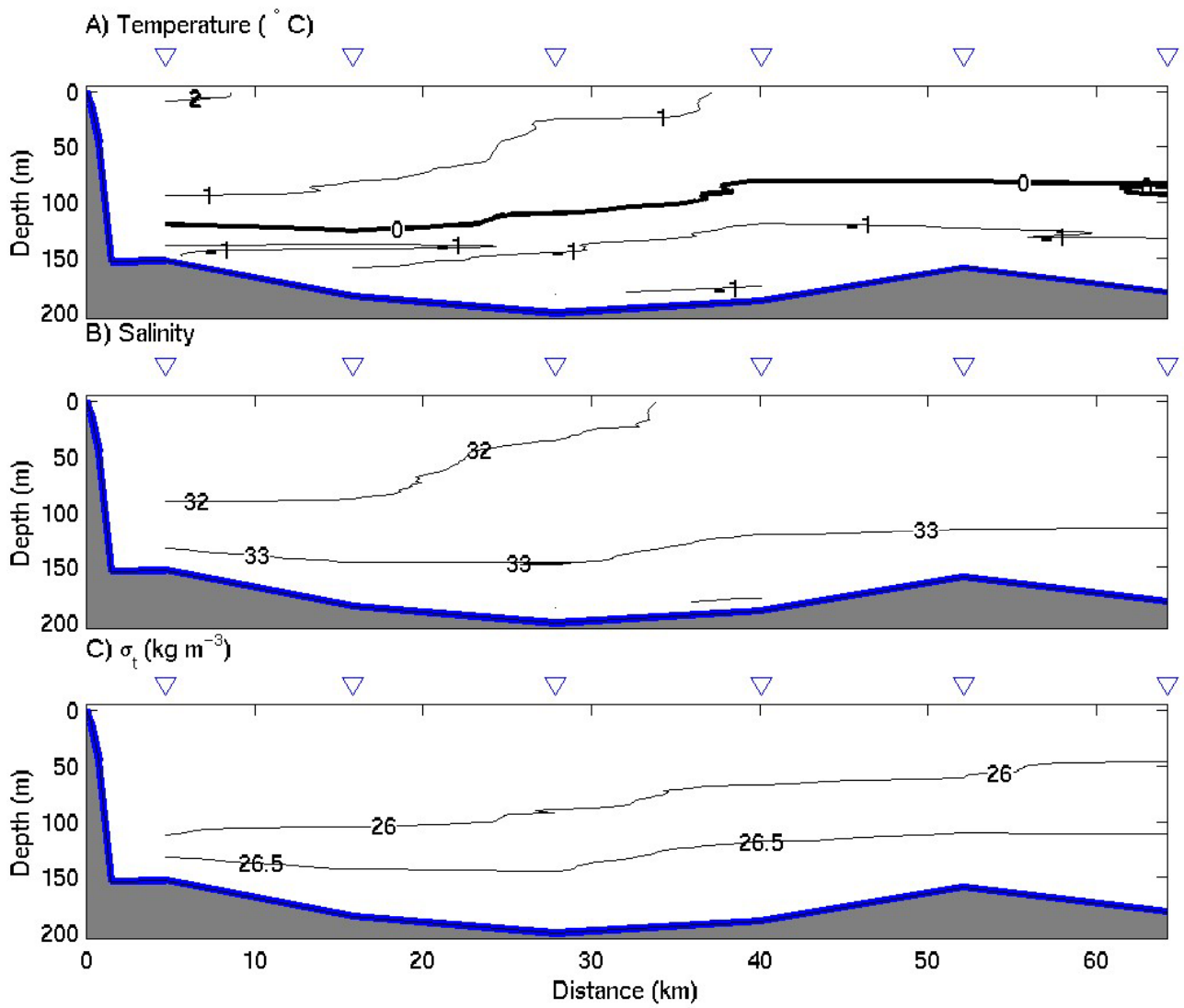


Figure 44: Transect F, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from December 1987 (along bay, Avalon Channel). See Figure 5.

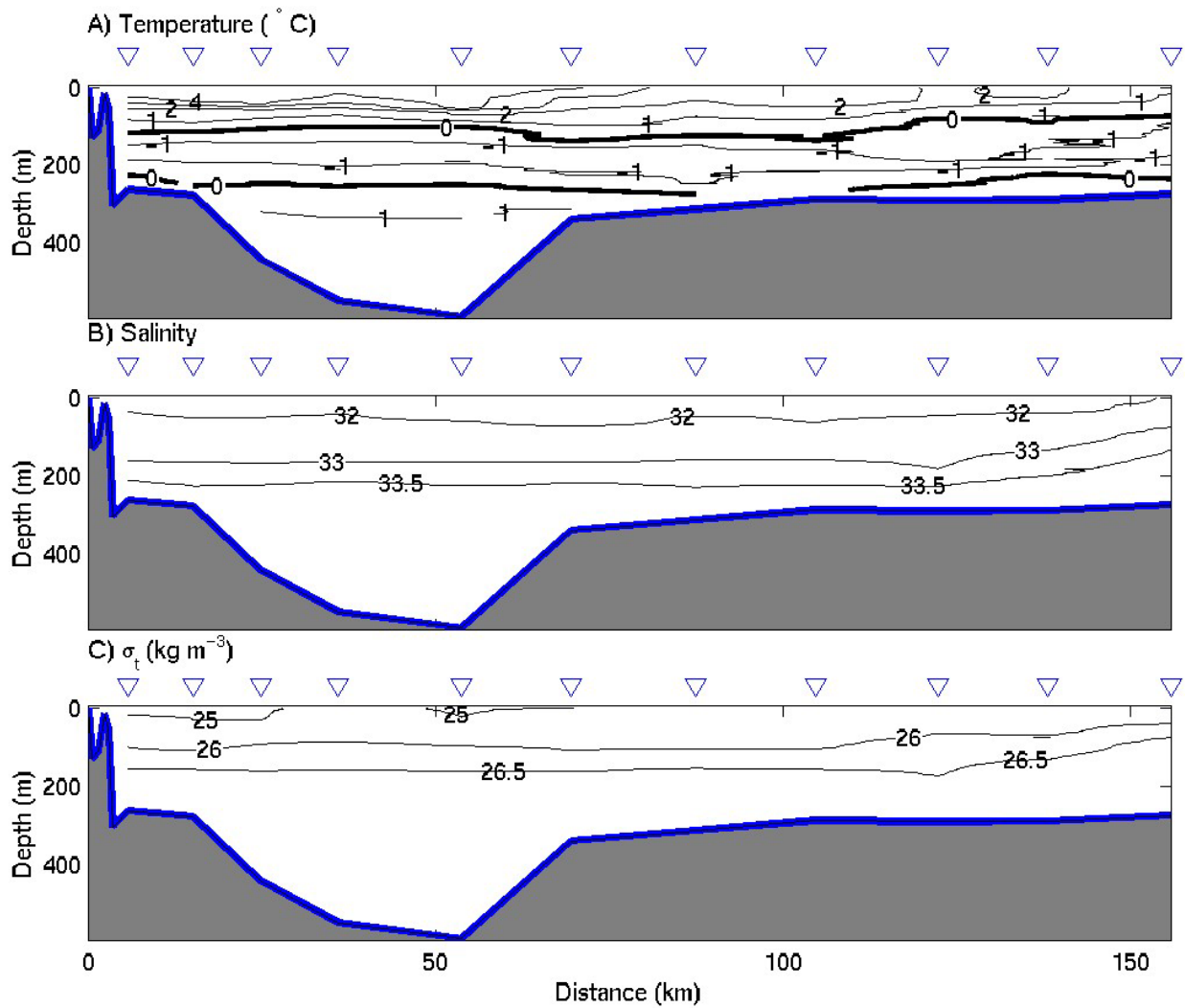


Figure 45: Transect G, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from December 1987 (along bay, Trinity Bay). See Figure 5.

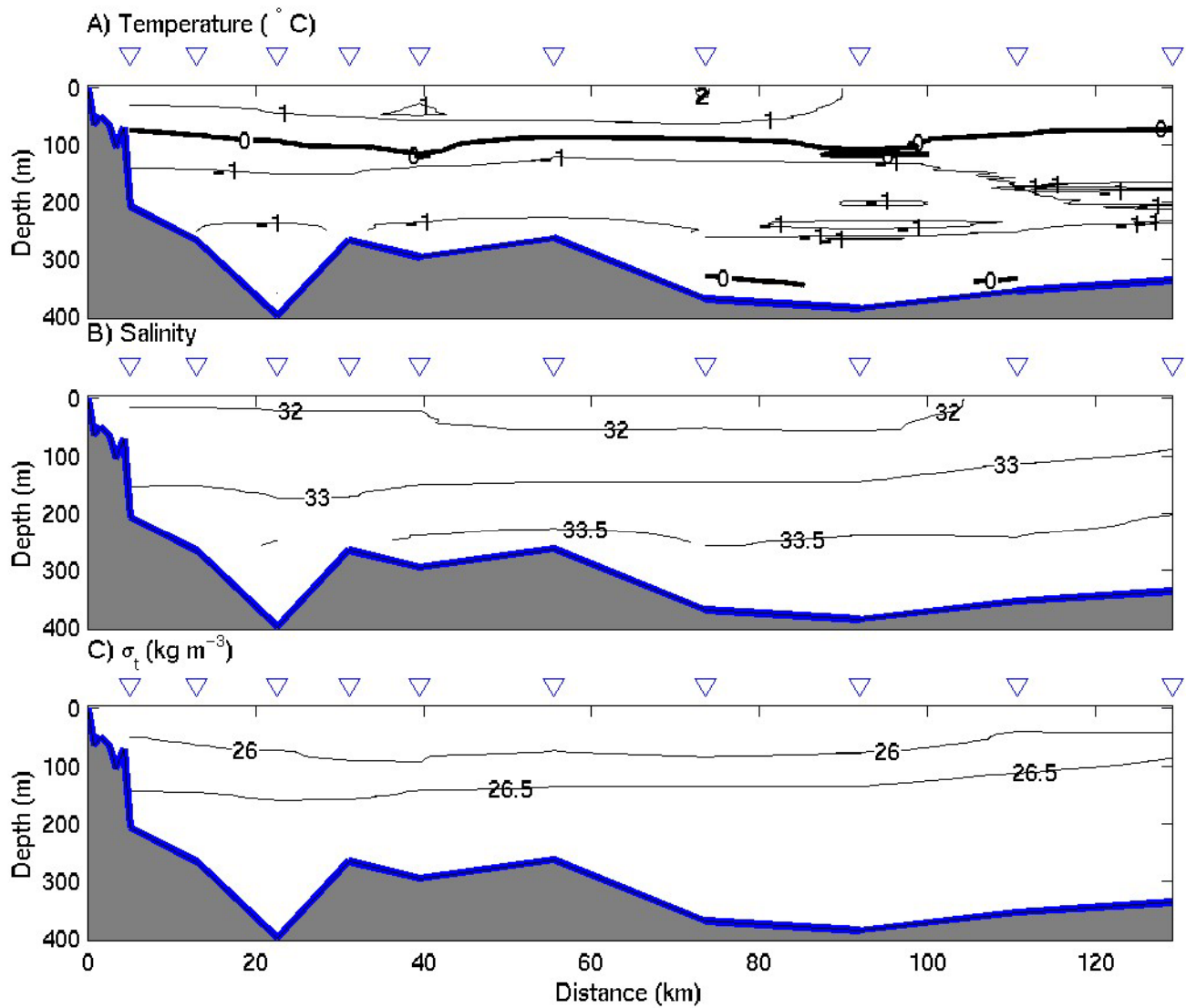


Figure 46: Transect H, profiles for temperature ($^{\circ}$ C), salinity, and density (σ_t – kg m⁻³) profiles from December 1987 (along bay, Green Bay and Notre Dame Bay). See Figure 5.

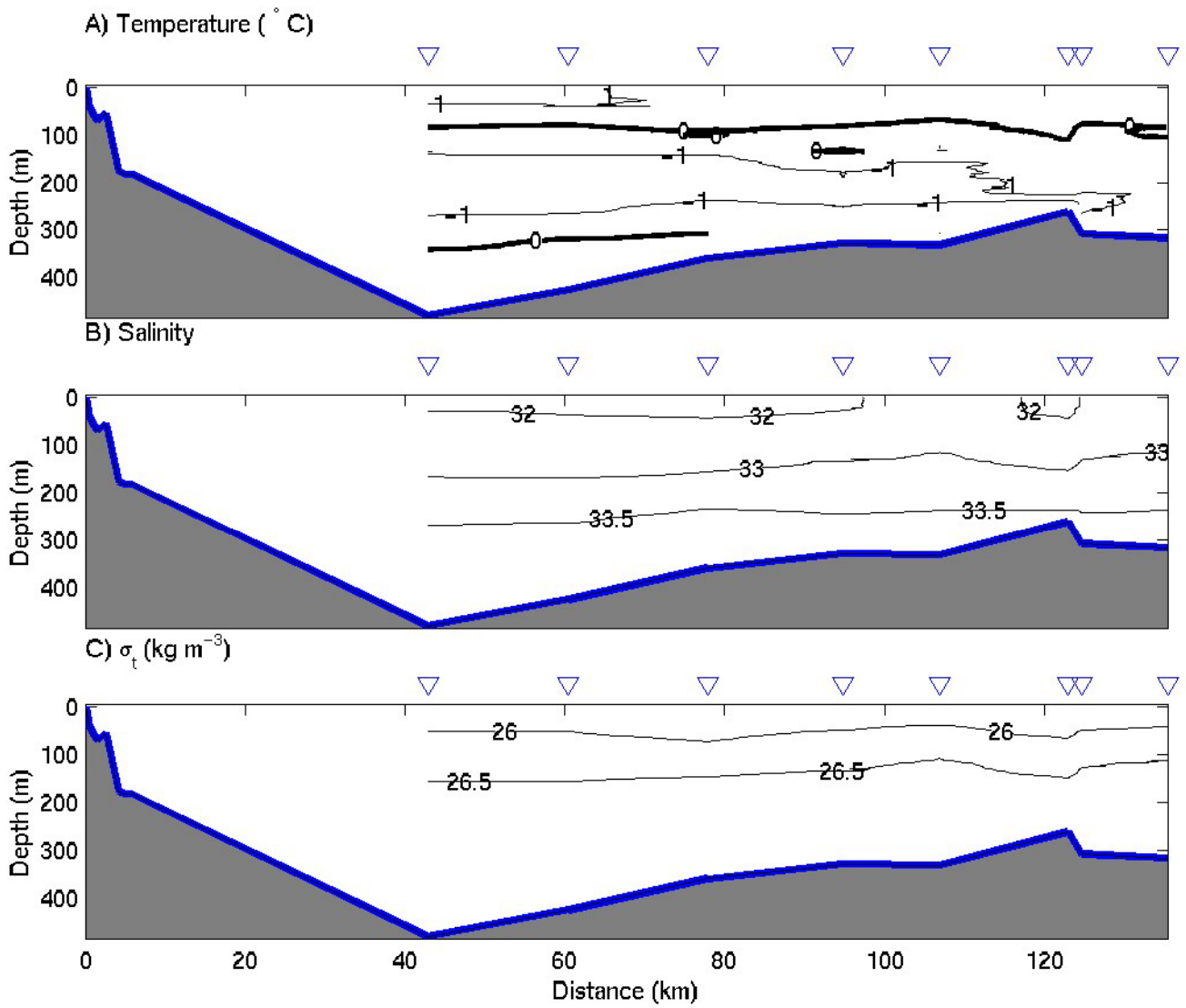


Figure 47: Transect I, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from December 1987 (along bay, White Bay and beyond). See Figure 5.

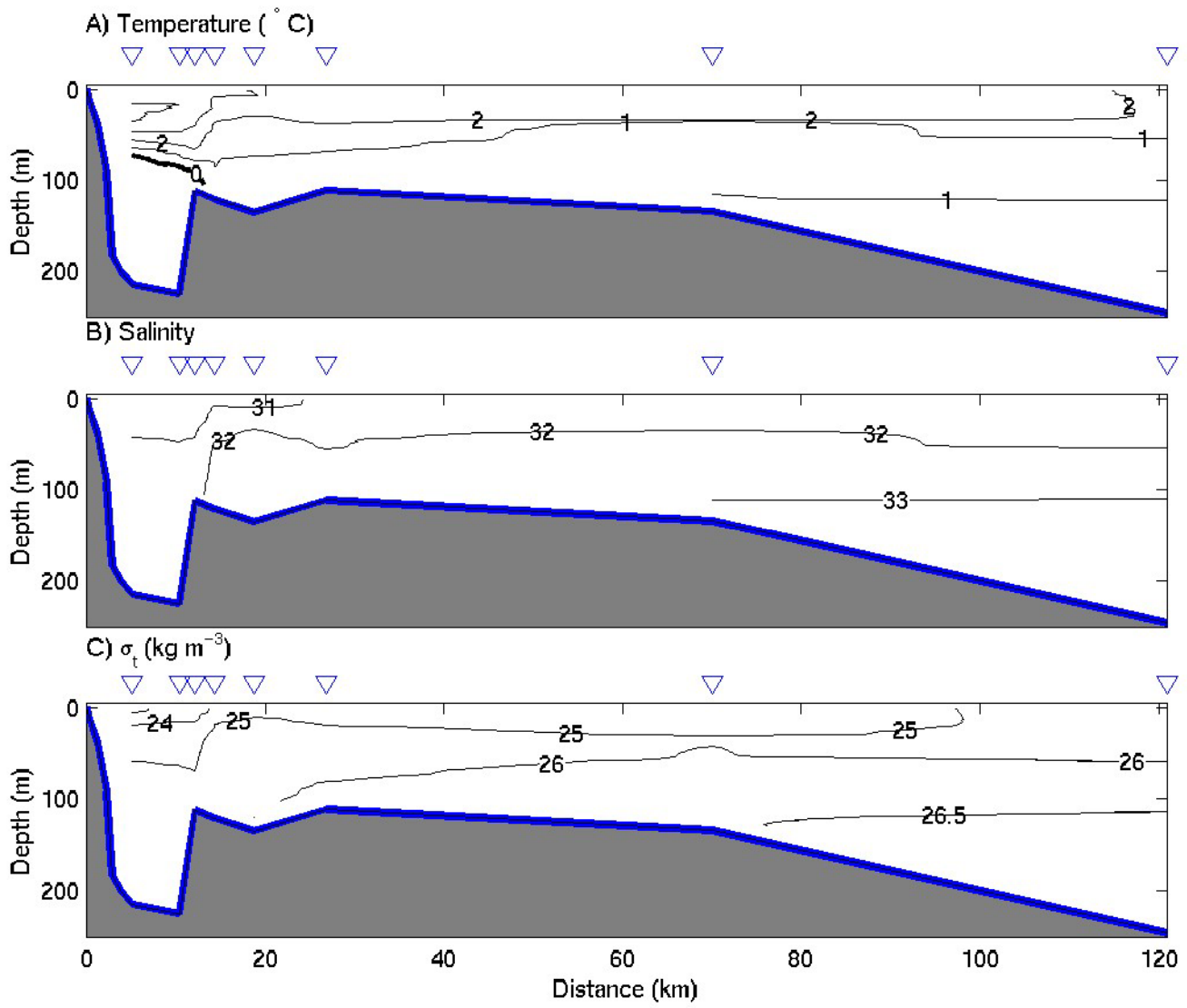


Figure 48: Transect J, profiles for temperature ($^{\circ}\text{C}$), salinity, and density ($\sigma_t - \text{kg m}^{-3}$) profiles from December 1987 (along bay, Bonne Bay and Gulf of St. Lawrence). See Figure 5.