

Oceanography Branch CTD Data Report
CTD_REPORT_2018002S1

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Oceanography Branch CTD Data Report

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NOAA Fisheries Service
Northeast Fisheries Science Center
Woods Hole, MA 02543

S1 18-02
2018 ECOMON Survey
Data Coverage: November 2 - 12, 2018
Mid Atlantic Bight

This report presents a summary of surface and bottom temperature and salinity data collected during the Northeast Fisheries Science Center's 2018 Fall ECOMON Survey aboard the UNOLS R/V *Hugh R. Sharp*. All data was obtained with the shipboard Seabird Electronics SBE Model 9/11+ CTD and an NEFSC Seacat 19+V2. Salt water samples were collected for the purpose of calibrating the conductivity cell. A total of 60 stations were occupied which included 50 bongo tows and 12 vertical CTD/water casts.

Data presented here have been audited, however, corrections and/or updates may be applied at a later time.

The most recent and complete station data can be found in an [NODC formatted ASCII file](#)

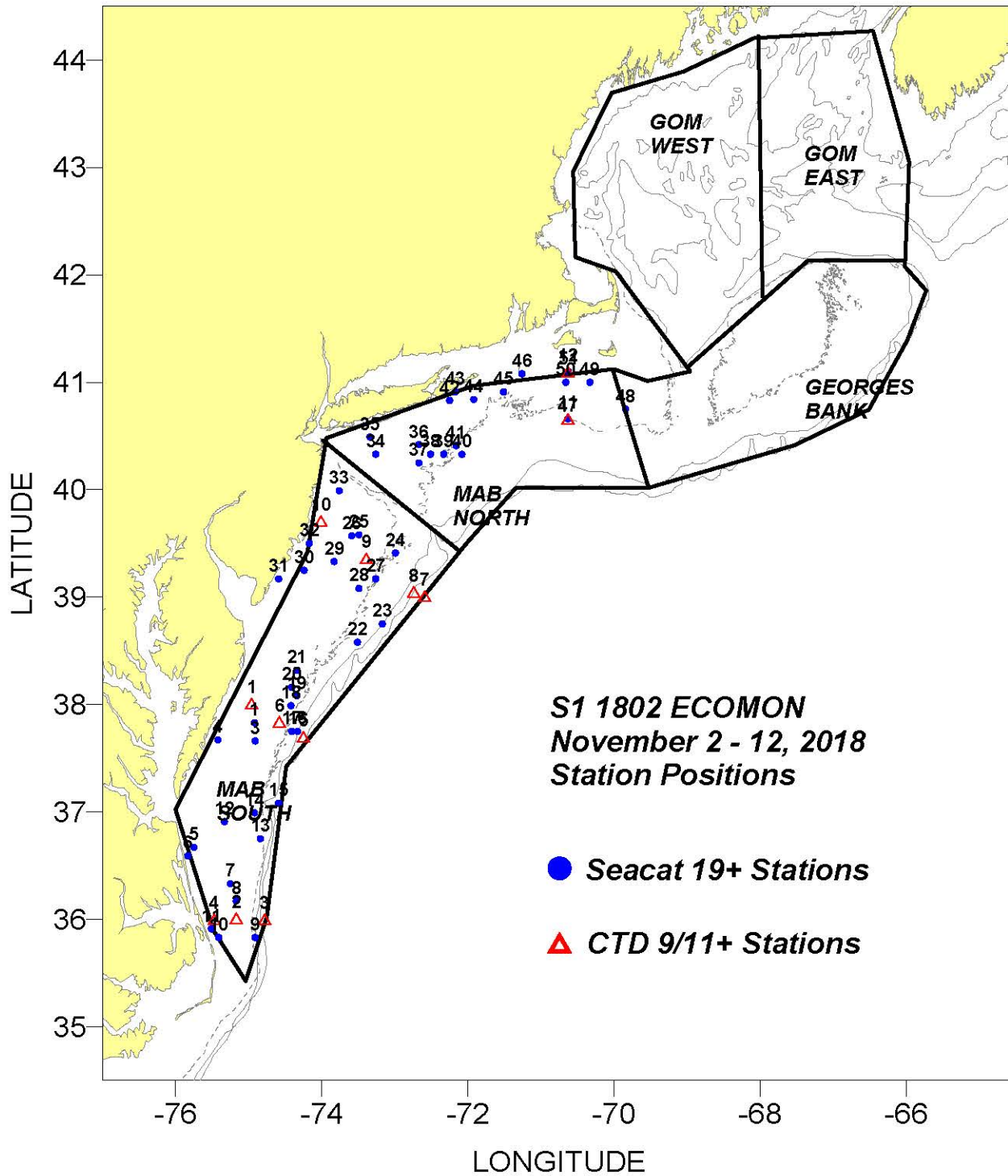
The data is also stored in [comma delimited file](#)

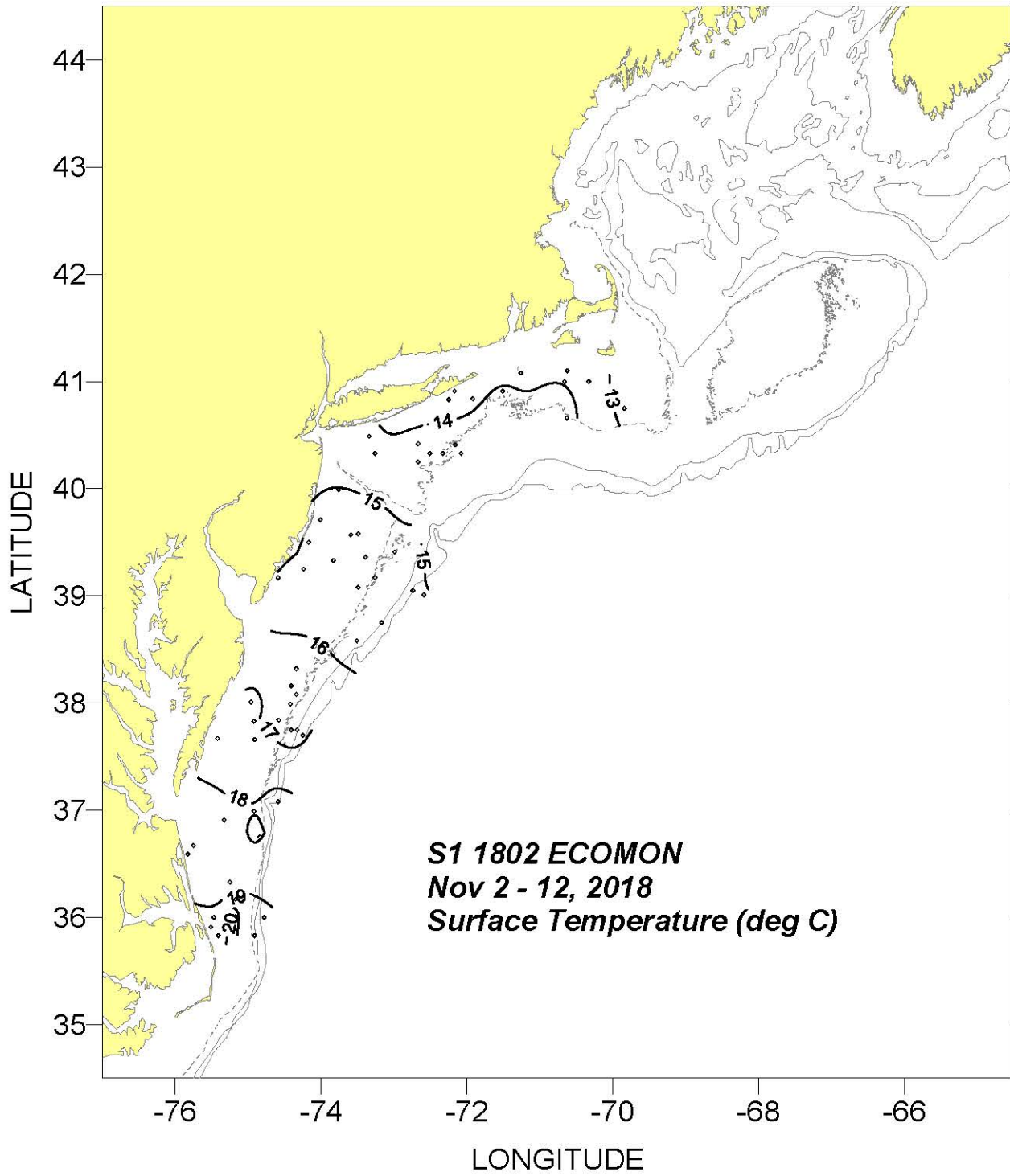
This report may be viewed on the Oceanography Branch website at:

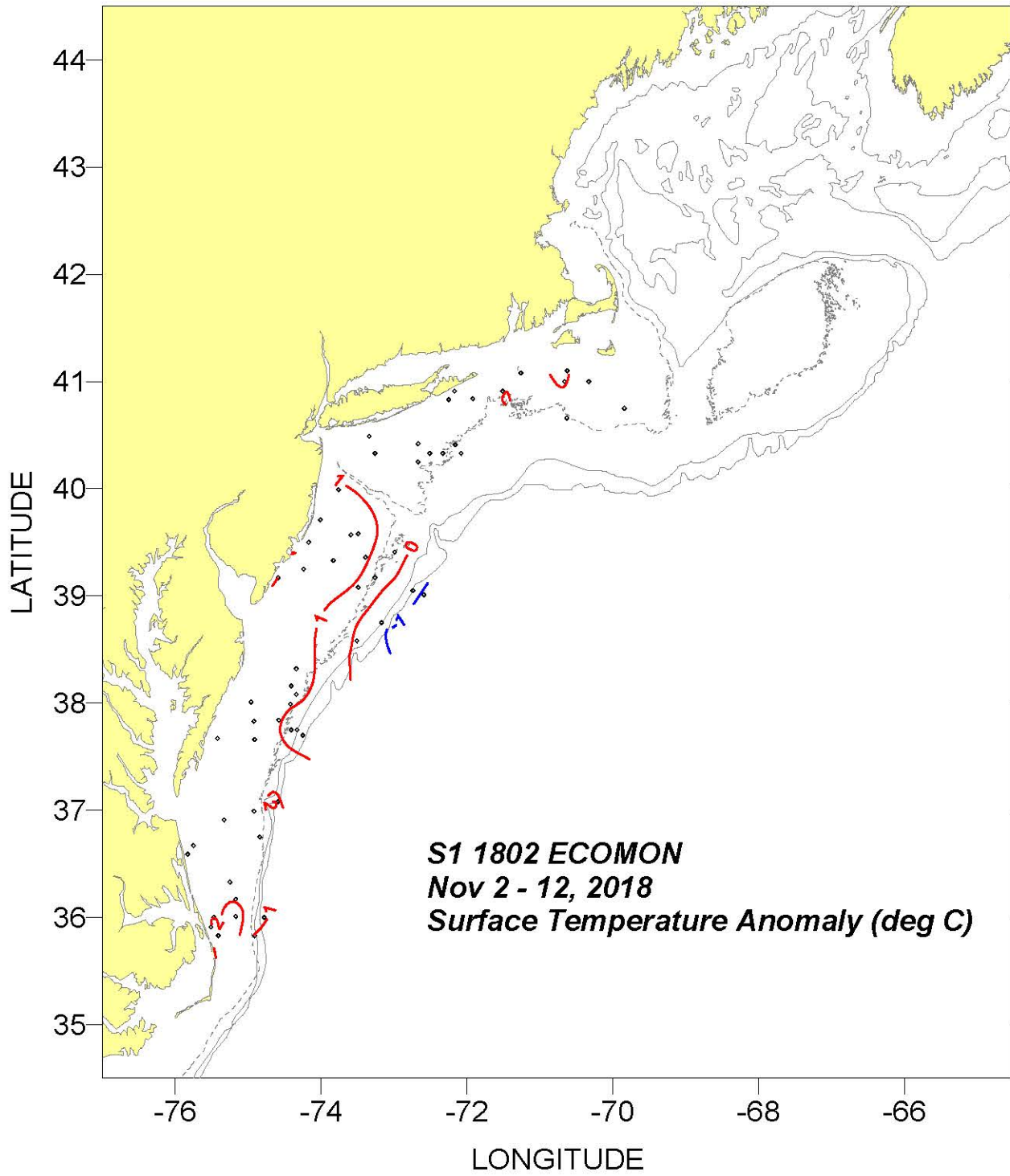
<http://www.nefsc.noaa.gov/HydroAtlas/>

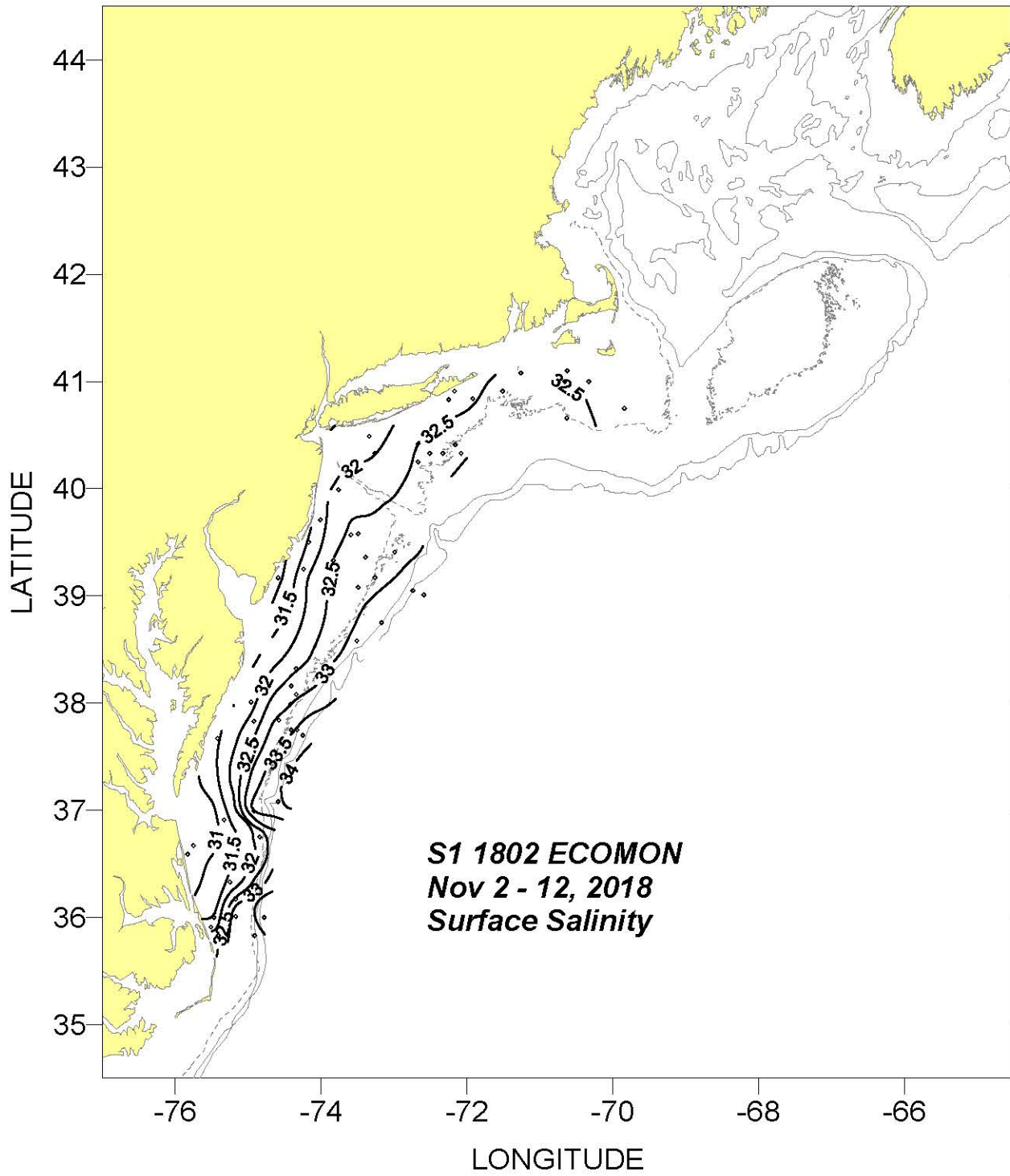
choose: **2018 Cruises**
NOV_ECOMON_S11802
CTD_REPORT_2018002S1

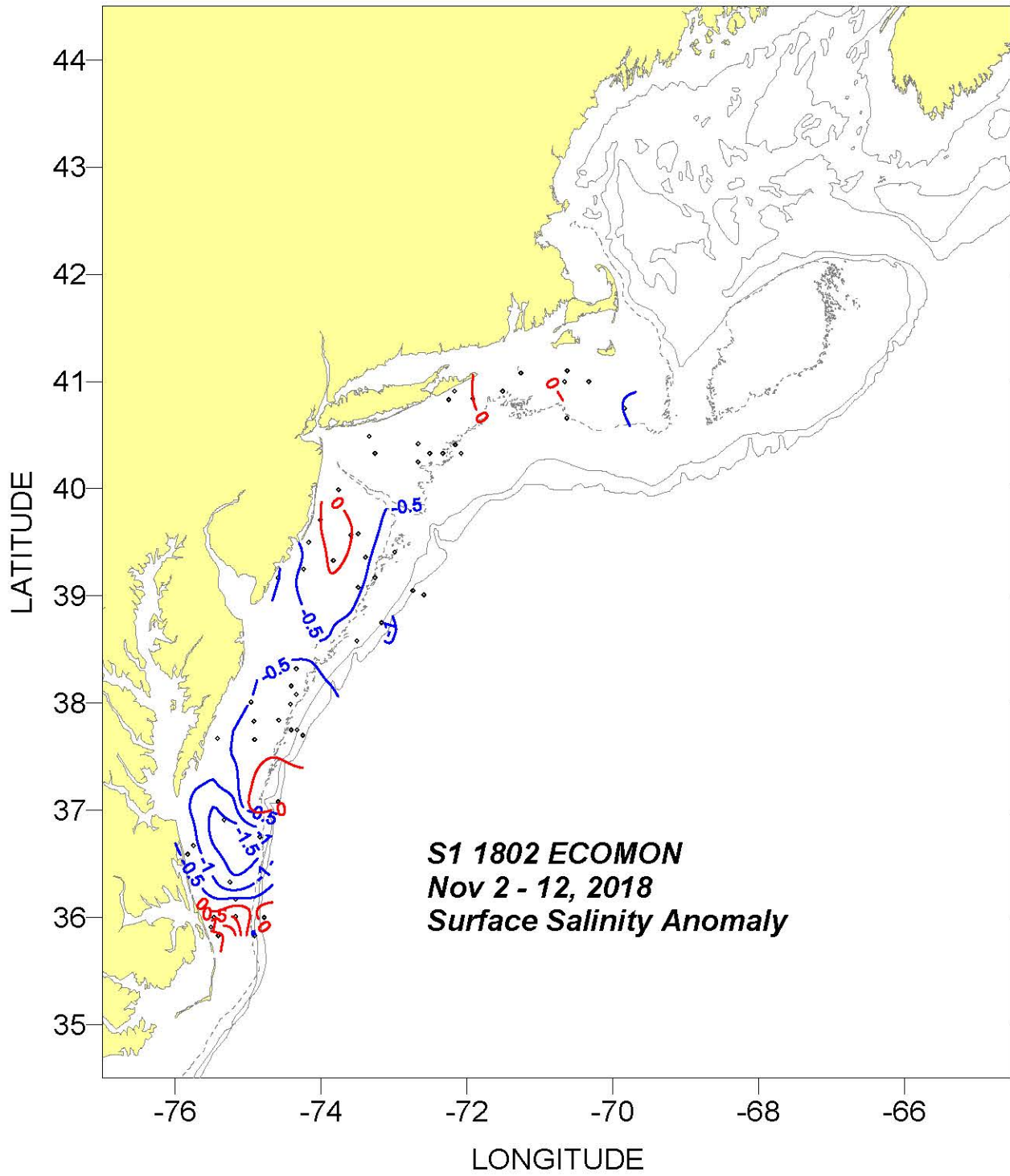
Revised: February 6, 2019

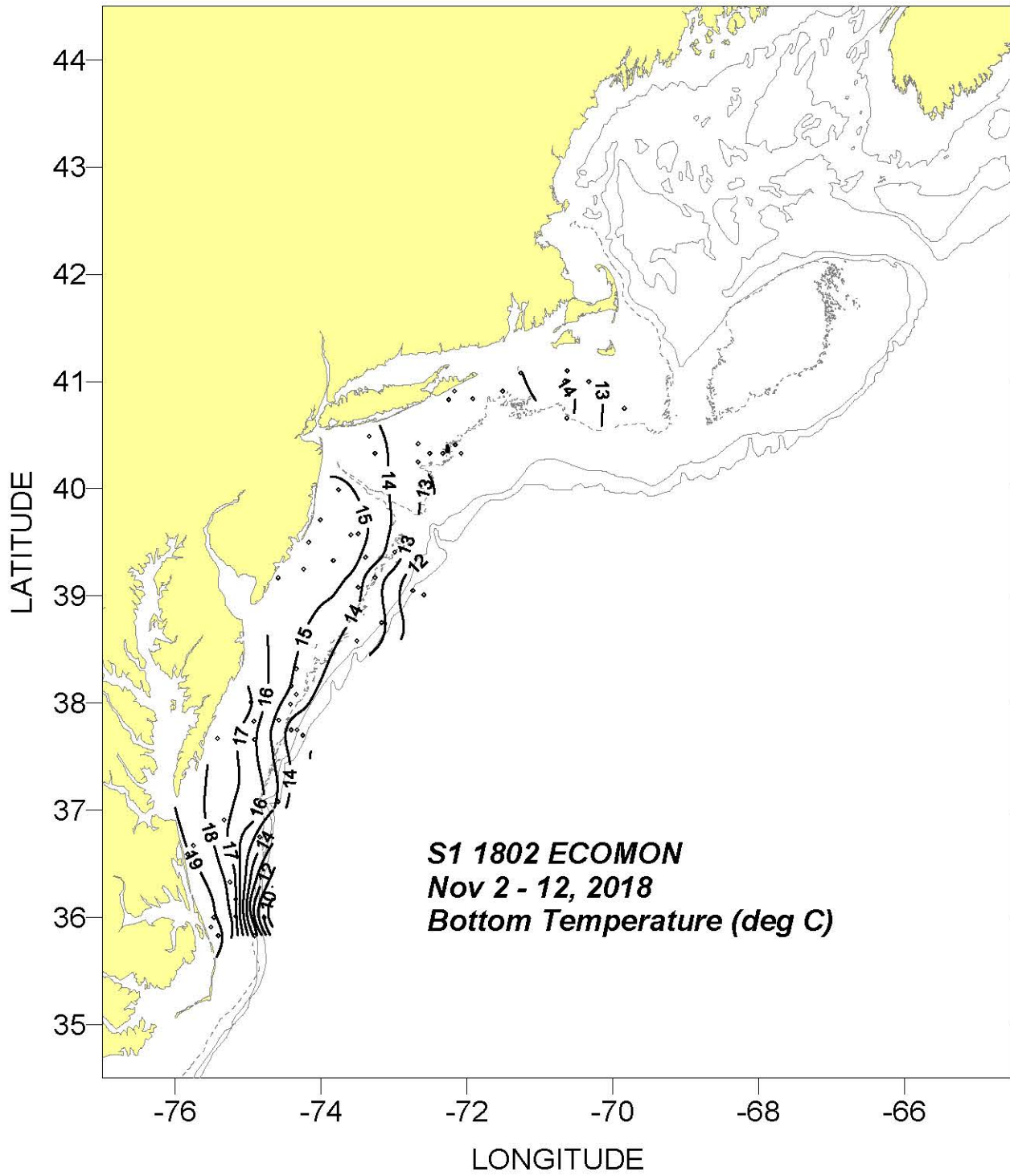


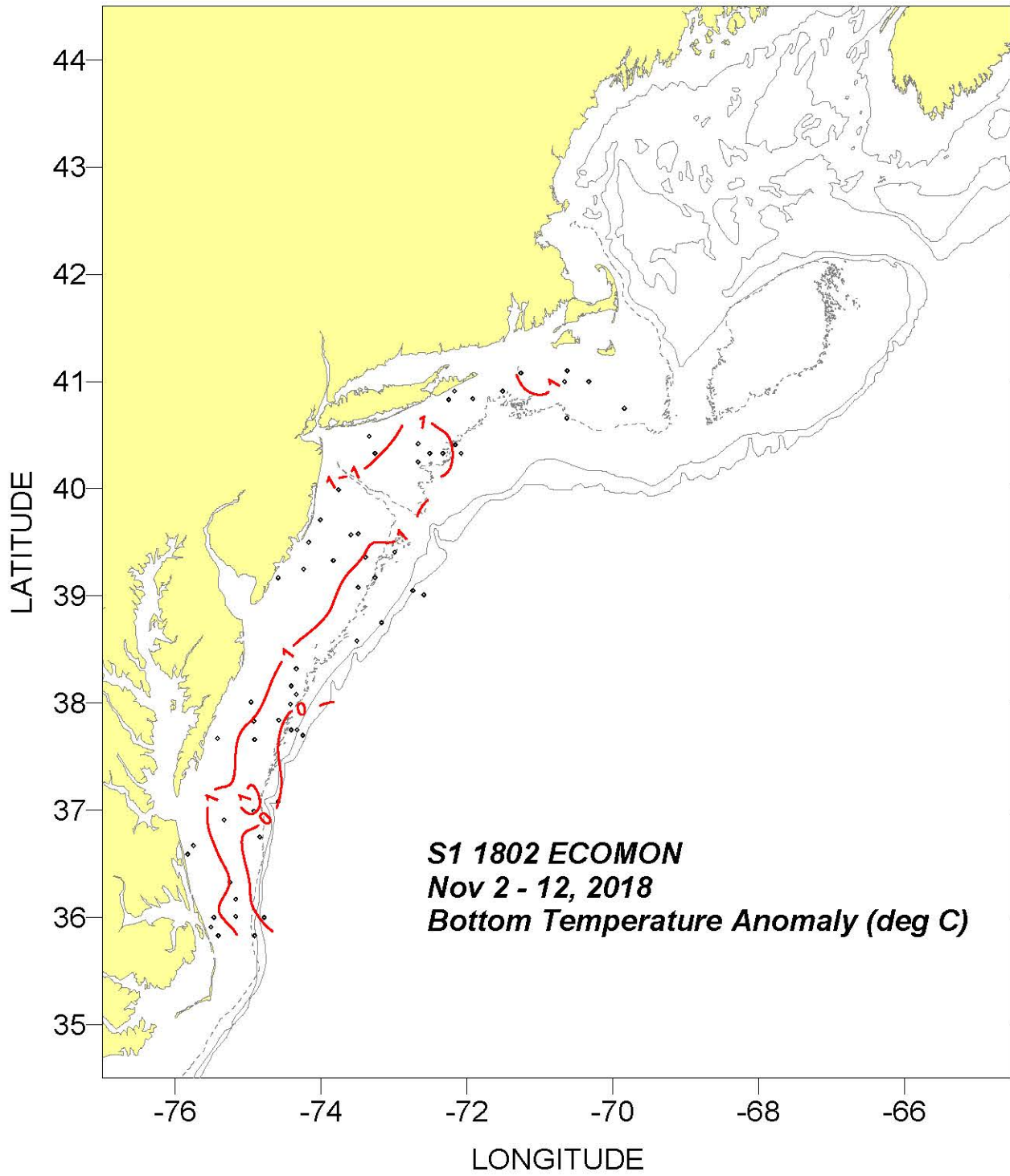


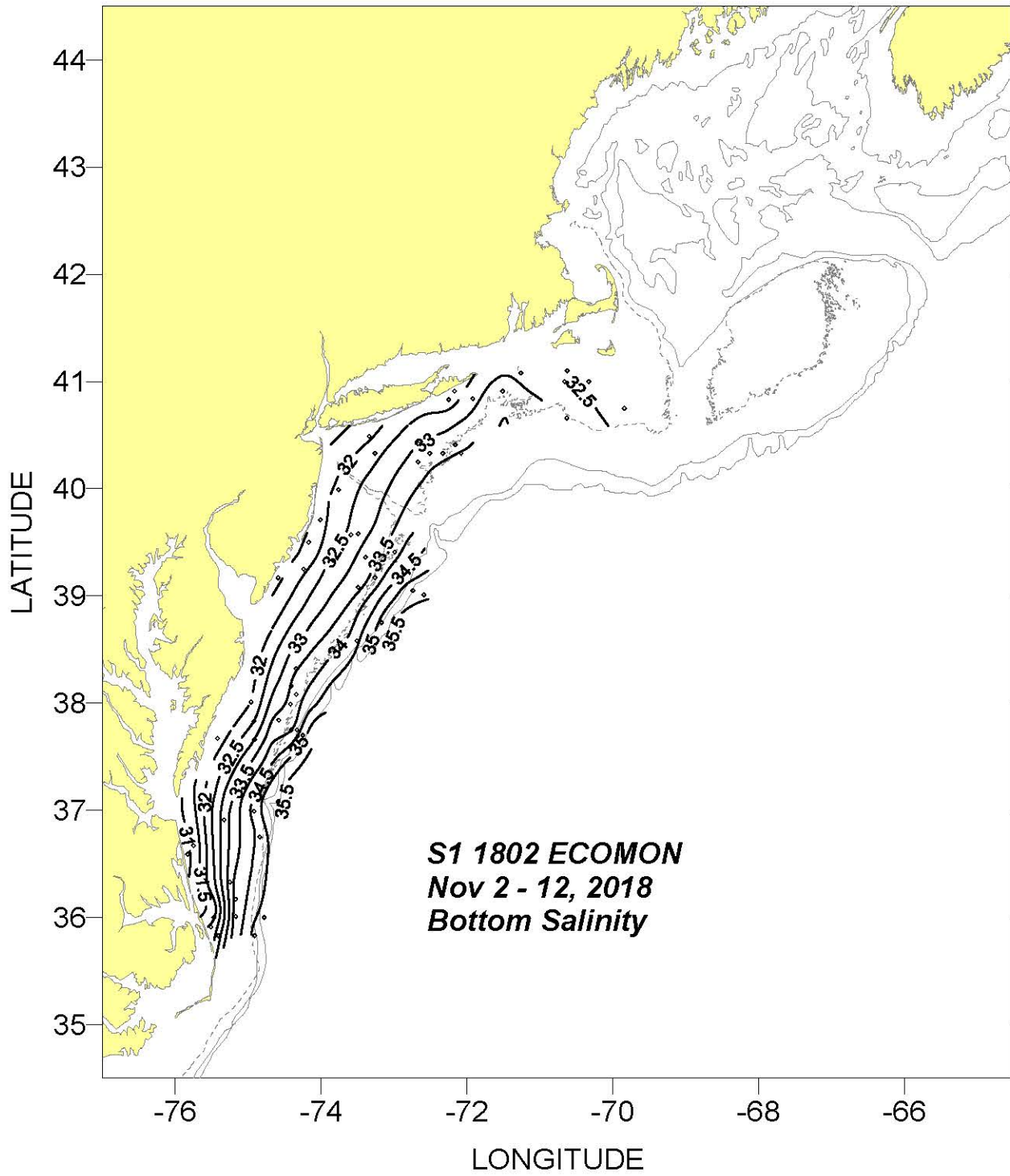


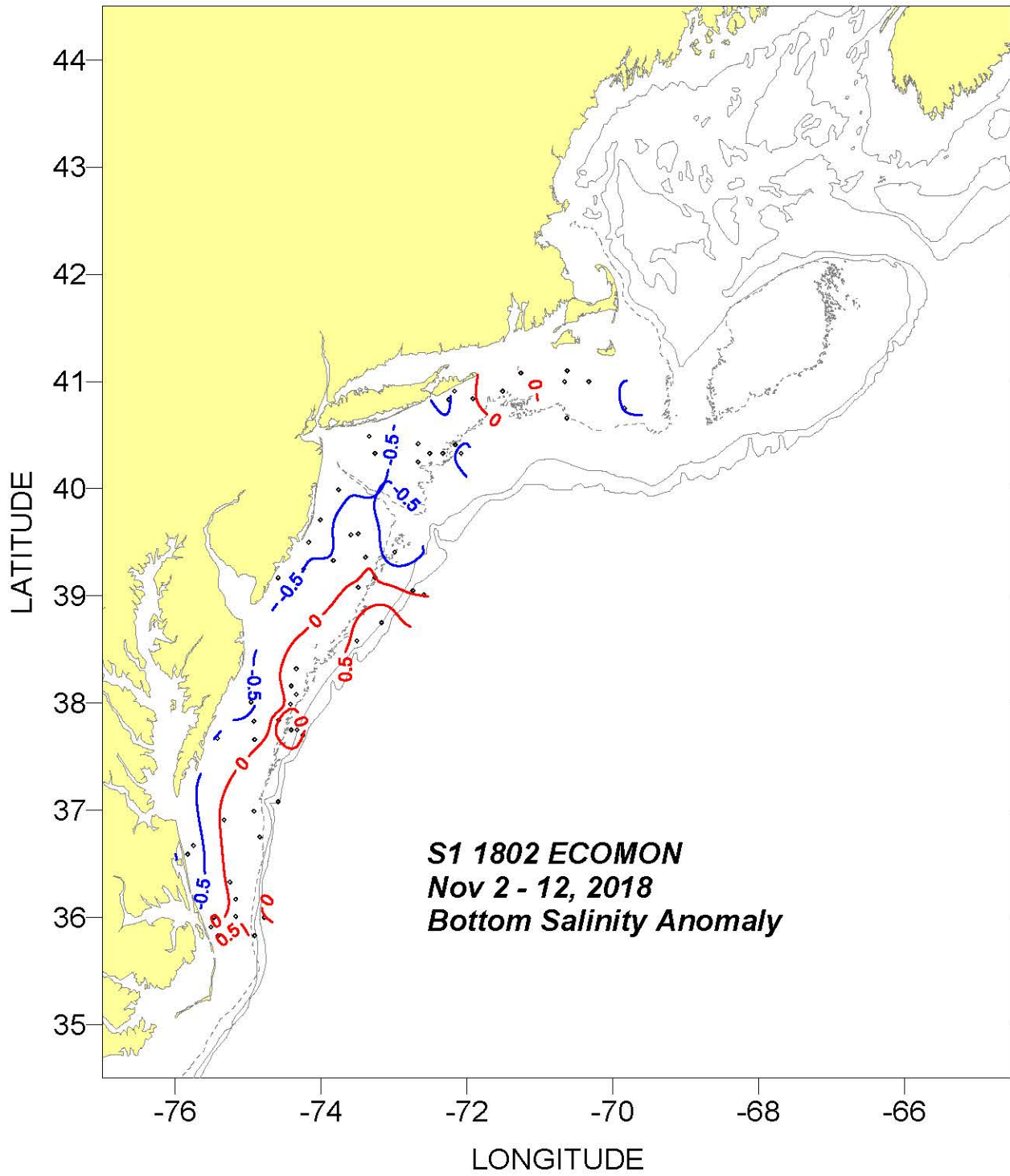












**S11802 ECOMON Survey
November 2 - 12, 2018**

Cast #	Sta #	Lat (deg N)	Long (deg W)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg C)	Sfc Salt	Deepest Observed Temp (deg C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
1	1	3800.3	7457.4	2	11	2018	2:56	23	17.28	31.80	17.20	31.91	4	W
1	2	3749.7	7455.2	2	11	2018	6:26	31	17.09	32.20	16.49	32.42	10	B
3	3	3739.9	7454.8	2	11	2018	8:49	31	17.01	32.56	16.08	32.92	5	B
4	4	3740.2	7525.3	2	11	2018	13:04	19	17.32	31.44	17.33	31.44	10	B
5	5	3640.3	7545.2	2	11	2018	22:59	13	19.02	30.92	18.99	30.96	4	B
6	6	3635.3	7549.9	3	11	2018	0:02	13	18.95	30.78	18.94	30.79	5	B
7	7	3620.0	7515.0	4	11	2018	22:13	35	18.57	31.66	18.02	34.00	4	B
8	8	3610.0	7510.2	5	11	2018	0:03	35	18.76	31.86	17.26	33.57	4	B
2	9	3600.3	7510.1	5	11	2018	1:43	32	21.10	34.05	17.56	34.67	3	W
3	10	3600.0	7446.6	5	11	2018	4:49	380	19.32	34.18	7.46	35.12	4	W
9	11	3550.0	7454.9	5	11	2018	7:15	82	19.00	32.94	13.73	35.13	6	B
10	12	3549.8	7524.9	5	11	2018	10:42	25	19.71	32.36	20.12	32.83	5	B
11	13	3554.7	7530.5	5	11	2018	12:15	21	19.31	31.80	19.31	31.82	3	B
4	14	3600.1	7528.3	5	11	2018	13:33	23	19.02	31.28	19.03	31.45	5	W
12	15	3654.9	7520.0	6	11	2018	18:39	28	18.31	30.88	16.87	33.39	4	B
13	16	3644.9	7450.1	6	11	2018	22:16	51	17.75	31.66	14.27	34.51	5	B
14	17	3659.6	7455.0	7	11	2018	0:51	49	18.06	33.74	16.86	34.71	4	B
15	18	3704.6	7435.1	7	11	2018	3:24	133	18.40	34.11	15.03	35.85	6	B
5	19	3742.2	7415.1	7	11	2018	8:46	118	17.18	33.95	13.33	35.19	1	W
16	20	3744.8	7419.9	7	11	2018	9:51	82	16.56	33.72	14.04	34.34	6	B
17	21	3745.0	7424.9	7	11	2018	10:45	67	16.36	33.38	13.52	33.91	5	B
6	22	3750.3	7434.7	7	11	2018	12:11	55	16.67	33.25	14.44	33.97	5	W
18	23	3759.7	7425.4	7	11	2018	14:06	53	16.29	33.00	14.48	33.63	5	B
19	24	3804.6	7420.1	7	11	2018	15:09	49	16.31	32.72	14.84	33.53	4	B
20	25	3809.9	7424.9	7	11	2018	16:08	43	16.59	32.76	14.97	33.55	7	B
21	26	3819.1	7420.6	7	11	2018	17:51	44	16.45	32.34	14.89	33.52	4	B
22	27	3835.0	7330.4	7	11	2018	23:08	75	15.65	33.10	13.42	34.25	5	B

**S11802 ECOMON Survey
November 2 - 12, 2018**

Cast #	Sta #	Lat (deg N)	Long (deg W)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg C)	Sfc Salt	Deepest Observed Temp (deg C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
23	28	3845.0	7310.3	8	11	2018	1:35	99	15.42	33.39	13.51	35.36	4	B
7	29	3900.7	7235.1	8	11	2018	5:45	1140	14.97	33.26	6.15	35.06	634	W
8	30	3903.2	7244.6	8	11	2018	7:41	199	15.04	33.29	10.94	35.39	4	W
24	31	3924.7	7259.7	8	11	2018	11:09	66	15.38	32.75	13.70	33.74	5	B
25	32	3935.0	7329.7	8	11	2018	14:39	40	15.76	32.60	15.50	32.69	5	B
26	33	3934.4	7335.1	8	11	2018	15:31	37	15.87	32.61	15.87	32.61	5	B
9	34	3921.5	7323.7	8	11	2018	17:35	48	15.51	32.66	14.80	33.26	5	W
27	35	3910.2	7315.4	8	11	2018	19:19	62	15.41	32.80	13.19	33.61	5	B
28	36	3905.0	7329.7	8	11	2018	20:58	53	15.54	32.80	14.28	33.36	5	B
29	37	3919.5	7349.8	8	11	2018	23:36	35	15.75	32.62	15.84	32.65	5	B
30	38	3915.1	7414.6	9	11	2018	2:09	24	15.42	31.95	15.49	31.97	4	B
31	39	3910.1	7435.1	9	11	2018	4:21	17	14.93	30.66	15.26	31.32	5	B
32	40	3929.8	7410.4	9	11	2018	8:24	17	14.80	31.32	14.94	31.40	4	B
10	41	3942.4	7400.6	9	11	2018	10:56	22	15.38	31.86	15.39	31.86	3	W
33	42	3959.6	7345.8	9	11	2018	14:35	31	15.00	32.22	15.00	32.22	5	B
34	43	4019.8	7315.4	9	11	2018	19:43	36	14.06	31.96	14.61	32.44	6	B
35	44	4029.6	7320.5	9	11	2018	21:50	26	14.14	31.77	14.13	31.77	5	B
36	45	4025.1	7240.1	11	11	2018	11:04	48	14.21	32.51	13.33	33.04	3	B
37	46	4015.1	7240.3	11	11	2018	12:49	55	14.26	32.54	12.51	33.22	5	B
38	47	4019.7	7230.3	11	11	2018	14:11	52	14.40	32.79	13.38	33.32	2	B
39	48	4019.8	7219.9	11	11	2018	15:44	57	14.53	32.86	14.19	33.36	5	B
40	49	4019.9	7205.0	11	11	2018	17:31	62	14.67	32.98	13.44	33.51	5	B
41	50	4024.9	7209.9	11	11	2018	18:31	60	14.59	32.99	13.87	33.46	4	B
42	51	4049.9	7215.0	11	11	2018	21:46	36	13.49	32.14	13.57	32.22	5	B
43	52	4054.8	7210.3	11	11	2018	22:46	20	13.28	32.09	13.28	32.10	5	B
44	53	4050.1	7155.5	12	11	2018	0:30	40	13.80	32.40	14.20	32.85	5	B
45	54	4054.5	7130.3	12	11	2018	3:02	57	14.18	32.79	12.86	33.40	5	B
46	55	4104.7	7115.3	12	11	2018	5:05	38	13.66	32.54	14.08	32.79	4	B

S11802 ECOMON Survey
November 2 - 12, 2018

Cast #	Sta #	Lat (deg N)	Long (deg W)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg C)	Sfc Salt	Deepest Observed Temp (deg C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
47	56	4039.9	7037.6	12	11	2018	10:03	61	14.26	32.77	14.30	32.88	3	B
11	56	4039.9	7037.8	12	11	2018	10:24	61	14.26	32.78	14.29	32.91	1	W
48	57	4045.2	6950.1	12	11	2018	16:17	43	12.65	32.05	12.29	32.09	4	B
49	58	4059.8	7020.0	12	11	2018	19:48	42	13.51	32.43	13.38	32.43	5	B
50	59	4059.9	7039.8	12	11	2018	21:43	47	14.19	32.50	14.47	32.65	3	B
51	60	4106.2	7037.3	12	11	2018	22:46	43	13.57	32.40	13.47	32.39	5	B
12	60	4106.0	7037.5	12	11	2018	23:07	44	13.56	32.39	13.49	32.39	3	W

Deployment codes: B=bongo cast; W=water cast; and V=vertical cast
Casts in BOLD are from the CTD s/n 0483