

*Oceanography Branch CTD Data Report
Habitat Mapping – HB 08-05*

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DATE: June 18 – August 11, 2008

Oceanography Branch CTD Data Report

CTD_REPORT_2008005HB

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

HB 08-05
Habitat Mapping
Data Coverage: June 18 – August 11, 2008
Mid Atlantic Bight and Georges Bank

This report presents a summary of surface and bottom temperature and salinity data collected during the Northeast Fisheries Science Center's 2008 Habitat Mapping Cruise aboard the NOAA FRV *Henry B. Bigelow*. All data was obtained with a Seabird Electronics SBE Model 19 profiling CTD (s/n 4759).

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 at:
<ftp://ftp.nefsc.noaa.gov/pub/hydro/hb0805.dat>

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

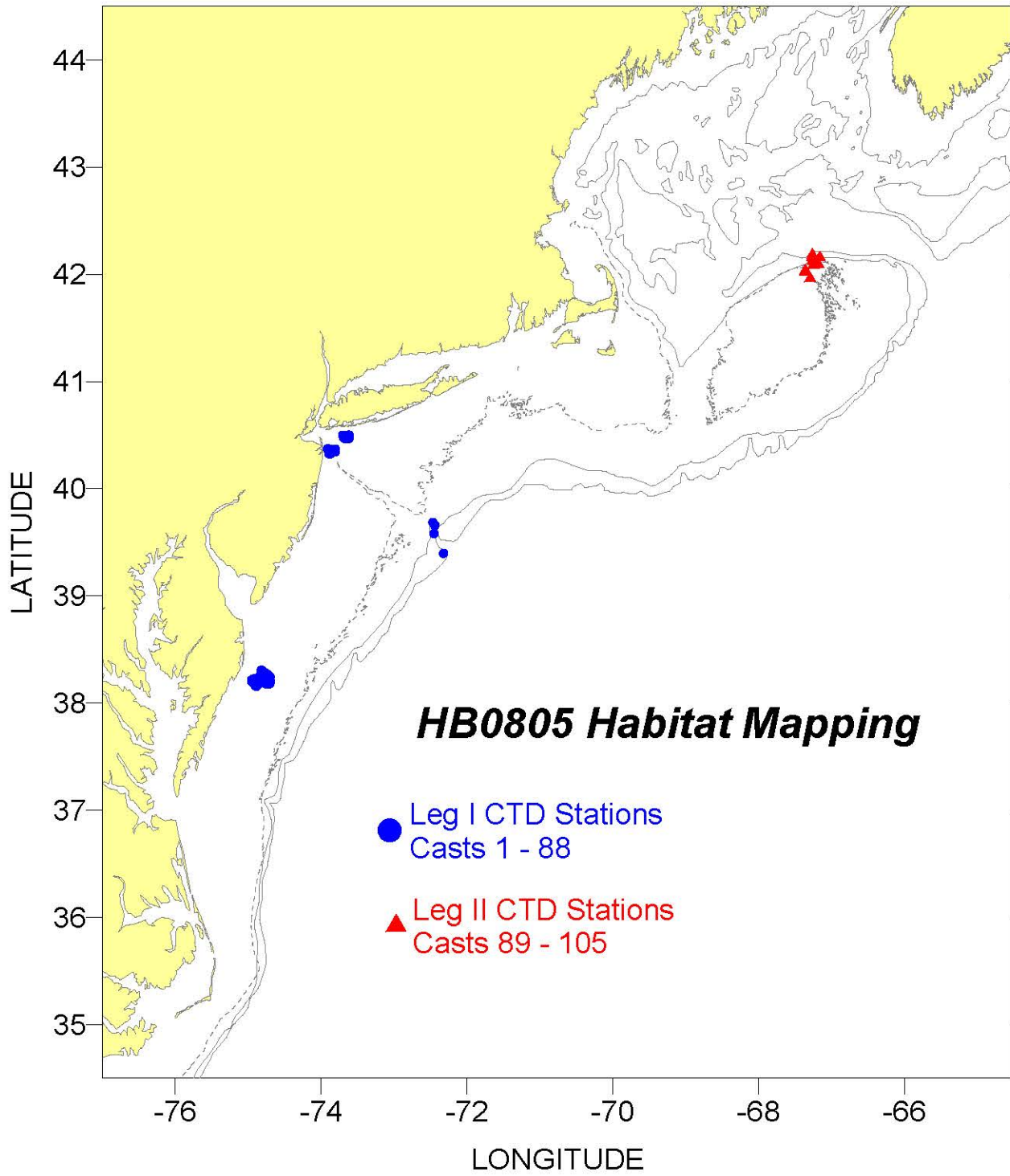
<http://www.nefsc.noaa.gov/HydroAtlas/>

choose: **2008 Cruises**

JUN_BENTHIC_HB0805

CTD_REPORT_2008005HB.pdf

Revised: July 24, 2009



Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the 2008 HB0805 Habitat Mapping Survey

CRUISE	CD	SURFACE						BOTTOM						Purpose
		#obs	T/S	Anomaly	SDV1	SDV2	Flag	#obs	T/S	Anomaly	SDV1	SDV2	Flag	
Georges Bank														
HB0805	199	10	16.68	4.38	0.29	4.78	1	10	10.61	-0.79	0.28	5.04	1	91
HB0805	199	10	32.30	-0.30	0.17	1.31	1	10	32.63	-0.09	0.17	0.98	1	91
MAB North														
HB0805	172	17	18.90	1.33	0.29	3.28	1	17	12.01	2.25	0.31	3.38	1	91
HB0805	172	17	30.59	-0.26	0.32	0.97	1	17	31.58	-1.00	0.22	0.74	1	91
MAB South														
HB0805	179	72	21.05	0.99	0.15	1.55	1	68	10.33	-1.93	0.17	1.53	1	91
HB0805	179	72	30.54	-1.06	0.13	0.46	1	68	32.54	-0.11	0.10	0.34	1	91

"CRUISE", the code name for a cruise: "CD", the calendar mid-date of all the stations within a region for a cruise:

"#obs", the number of observations include in each average: "T/S", the areal average temp/salt: "Anomaly", the areal average temp/salt anomaly:

"SDV1", the standard deviation associated with the average temp/salt anomaly: "SDV2", the standard deviation of the individual anomalies from which the average anomaly was derived

"Flag", a value of "1" indicates that a true areal average could not be calculated due to poor station coverage. The areal averages listed were derived from a simple average of the observations within the region.

"Purpose", 2 digit code assigned by DMS to identify a unique NEFSC program survey.

HB0805 Habitat Mapping Survey
Cruise Dates: 18 June- 11 August, 2008

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
1	1	4030.0	7337.1	19	6	2008	3:25	19	18.46	30.54	12.88	31.46	2
2	2	4029.9	7342.1	19	6	2008	8:33	23	18.49	30.64	11.93	31.60	4
3	3	4029.7	7338.4	19	6	2008	13:26	21	18.55	30.53	12.44	31.50	5
4	4	4028.4	7336.8	19	6	2008	17:34	20	18.84	30.59	12.37	31.50	4
5	5	4028.0	7337.9	19	6	2008	20:19	23	19.26	30.60	11.81	31.57	4
6	6	4028.4	7338.6	19	6	2008	22:34	24	18.71	30.62	12.36	31.51	4
7	7	4029.4	7338.3	20	6	2008	0:13	20	18.75	30.60	12.68	31.44	3
8	8	4029.7	7339.7	20	6	2008	1:31	21	18.78	30.60	13.07	31.43	4
9	9	4028.7	7339.9	20	6	2008	4:34	22	18.71	30.57	12.51	31.49	4
10	10	4028.4	7336.9	20	6	2008	13:43	21	17.91	30.69	11.58	31.57	4
11	21	4029.8	7340.7	20	6	2008	19:49	22	19.88	30.67	12.53	31.49	5
12	24	4029.3	7340.9	20	6	2008	22:25	23	19.41	30.59	12.57	31.49	5
13	27	4028.3	7341.3	20	6	2008	23:46	24	19.30	30.62	11.82	31.57	3
14	30	4029.0	7340.2	21	6	2008	1:30	23	19.21	30.62	12.47	31.49	4
15	32	4027.9	7340.0	21	6	2008	3:22	25	18.99	30.63	11.45	31.61	4
16	33	4028.6	7340.6	21	6	2008	8:18	22	18.67	30.80	11.96	31.57	4
17	35	4022.1	7351.8	21	6	2008	19:25	26	19.33	29.11	9.55	31.95	4
18	39	4022.0	7353.4	21	6	2008	22:25	24	19.43	29.28	10.51	31.76	3
19	43	4021.1	7352.0	22	6	2008	0:55	24	19.38	29.31	9.62	31.95	4
20	46	4020.7	7350.4	22	6	2008	2:49	27	19.42	29.48	9.13	32.02	4
21	49	4021.5	7350.0	22	6	2008	4:22	29	19.51	29.47	9.03	32.10	3
22	48	4022.3	7354.5	22	6	2008	8:19	21	18.93	29.44	11.04	31.69	3
23	49	4022.2	7348.5	22	6	2008	12:28	37	18.91	29.79	8.19	32.38	4
24	51	4021.4	7350.8	22	6	2008	18:19	26	19.42	29.23	9.23	32.03	4
25	55	4021.6	7351.7	22	6	2008	20:27	27	19.44	29.24	9.56	31.96	5
26	56	4020.5	7351.6	22	6	2008	22:06	27	20.09	29.67	9.13	32.09	3
27	59	4019.6	7353.6	22	6	2008	23:22	22	18.97	30.35	10.71	31.74	4
28	62	4019.5	7352.1	23	6	2008	1:21	25	19.36	30.33	9.10	32.12	3
29	65	4019.9	7352.4	23	6	2008	3:01	24	19.19	30.34	9.04	32.13	2
30	66	4021.2	7350.3	23	6	2008	5:24	28	20.01	30.08	8.83	32.11	4

HB0805 Habitat Mapping Survey
Cruise Dates: 18 June- 11 August, 2008

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
31	67	4022.0	7348.8	23	6	2008	8:19	38	17.76	30.61	8.60	32.23	4
32	68	4021.8	7354.4	23	6	2008	13:07	23	18.87	30.39	10.13	31.86	4
33	68	4021.6	7353.6	23	6	2008	17:08	24	19.19	30.30	9.61	31.98	4
34	68	4021.5	7348.0	23	6	2008	20:58	41	19.39	29.97	7.78	32.54	3
35	68	4021.3	7348.1	24	6	2008	1:47	43	19.96	30.23	7.71	32.57	3
36	69	4020.9	7353.3	24	6	2008	6:00	21	19.24	30.36	10.00	31.88	3
37	70	4020.9	7348.4	24	6	2008	9:56	42	19.38	29.33	7.95	32.47	4
38	68	4020.7	7348.1	24	6	2008	16:34	45	19.71	29.49	7.77	32.52	4
39	68	4020.5	7349.1	24	6	2008	20:51	44	20.13	29.48	7.62	32.60	3
40	70	3811.0	7442.2	25	6	2008	19:01	31	23.76	30.52	10.33	32.88	4
41	76	3813.2	7442.1	25	6	2008	21:58	36	23.77	30.50	10.09	32.93	3
42	79	3813.4	7444.4	25	6	2008	23:58	35	23.36	30.38	10.12	32.86	4
43	82	3814.6	7441.9	26	6	2008	2:19	35	22.21	30.74	10.13	32.97	3
44	83	3812.0	7441.7	26	6	2008	4:26	28	23.02	30.37	10.10	33.00	2
45	84	3811.8	7444.7	26	6	2008	9:06	33	23.23	30.23	10.12	32.87	4
46	83	3811.3	7445.2	26	6	2008	15:51	34	23.45	30.41	10.09	32.90	3
47	85	3816.1	7444.3	26	6	2008	18:42	29	23.58	30.30	10.25	32.82	4
48	88	3812.0	7449.4	26	6	2008	20:47	20	22.84	30.39	12.13	32.32	4
49	91	3811.4	7450.4	26	6	2008	22:55	18	22.61	30.50	12.25	32.31	4
50	95	3810.8	7451.0	27	6	2008	0:38	17	22.80	30.44	12.31	32.34	4
51	98	3810.5	7452.2	27	6	2008	2:27	23	17.61	31.21	12.02	32.41	6
52	99	3810.1	7454.4	27	6	2008	4:34	25	18.98	31.21	11.49	32.53	4
53	100	3812.9	7457.2	27	6	2008	8:28	24	21.60	30.99	11.50	32.47	4
54	101	3809.4	7453.6	27	6	2008	15:15	15	21.12	30.66	11.90	32.47	3
55	99	3809.3	7453.3	27	6	2008	20:02	22	22.84	30.67	11.65	32.51	4
56	99	3813.7	7455.5	28	6	2008	1:27	23	21.91	31.13	11.56	32.45	4
57	102	3809.7	7452.6	28	6	2008	5:26	25	22.20	30.69	11.55	32.52	4
58	103	3811.1	7454.2	28	6	2008	9:51	26	21.87	30.73	11.35	32.58	4
59	104	3813.3	7456.2	28	6	2008	12:45	18	21.76	31.14	11.92	32.37	4
60	104	3812.9	7454.3	28	6	2008	21:34	23	20.91	30.93	11.73	32.47	5

HB0805 Habitat Mapping Survey
Cruise Dates: 18 June- 11 August, 2008

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
61	107	3815.1	7449.7	28	6	2008	23:12	25	22.77	30.52	10.93	32.67	4
62	110	3815.2	7447.3	29	6	2008	0:58	23	23.22	30.43	10.62	32.78	4
63	113	3818.4	7449.0	29	6	2008	3:13	21	21.51	30.98	10.95	32.66	5
64	114	3809.4	7453.4	29	6	2008	7:39	18	21.84	30.94	11.63	32.49	4
65	115	3810.8	7445.5	29	6	2008	8:22	35	23.37	30.29	10.35	32.93	3
66	116	3813.5	7449.3	29	6	2008	11:28	23	22.23	30.76	10.62	32.75	4
67	116	3816.9	7449.2	29	6	2008	18:49	27	22.16	30.93	10.95	32.66	4
68	119	3817.3	7447.4	29	6	2008	20:28	21	22.54	30.64	10.79	32.73	4
69	122	3814.4	7451.3	29	6	2008	22:40	26	21.34	31.08	10.76	32.74	4
70	125	3814.0	7447.0	30	6	2008	0:53	25	22.34	30.76	10.41	32.89	4
71	128	3813.7	7446.2	30	6	2008	2:39	29	22.16	30.85	10.36	32.90	3
72	128	3813.6	7449.7	30	6	2008	5:43	25	20.74	31.29	11.16	32.63	4
73	128	3816.0	7445.2	30	6	2008	9:25	30	21.12	31.17	10.46	32.90	4
74	128	3816.3	7445.4	30	6	2008	13:34	24	20.42	31.22	10.49	32.89	2
75	129	3813.0	7446.3	30	6	2008	18:22	27	20.78	31.30	10.47	32.91	4
76	133	3810.6	7444.3	30	6	2008	20:34	36	20.91	31.35	10.31	32.97	4
77	136	3810.8	7442.1	30	6	2008	22:34	32	21.61	31.34	10.24	32.99	4
78	139	3812.8	7442.4	1	7	2008	0:24	37	21.13	31.31	10.28	32.99	4
79	142	3811.9	7456.9	1	7	2008	3:27	21	16.65	31.60	11.48	32.59	3
80	128	3814.3	7450.1	1	7	2008	5:34	30	18.30	31.43	10.58	32.84	4
81	128	3814.4	7450.2	1	7	2008	9:38	30	19.55	31.29	10.81	32.76	4
82	128	3816.7	7445.8	1	7	2008	14:22	24	20.23	31.19	10.71	32.84	4
83	128	3816.9	7445.8	1	7	2008	19:28	24	22.21	30.97	10.92	32.75	5
84	128	3923.8	7219.2	2	7	2008	15:46	155	23.73	31.63	12.01	35.47	3
85	128	3934.8	7227.1	2	7	2008	17:49	105	23.05	30.90	12.32	34.90	4
86	128	3939.5	7226.4	2	7	2008	18:36	190	22.96	30.88	12.13	35.33	6
87	128	3939.7	7226.4	2	7	2008	18:58	103	23.00	30.89	12.11	35.01	3
88	174	3941.0	7228.0	2	7	2008	19:25	92	22.92	30.93	11.62	34.73	3
89	1	4202.0	6721.3	13	7	2008	8:01	51	16.24	32.31	12.17	32.56	5
90	2	4206.5	6711.9	13	7	2008	22:49	59	17.63	32.16	8.48	32.60	3

HB0805 Habitat Mapping Survey
Cruise Dates: 18 June- 11 August, 2008

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
91	3	4207.3	6714.9	14	7	2008	19:10	74	19.50	32.04	5.40	32.87	4
92	4	4205.3	6714.5	15	7	2008	8:04	53	19.45	31.94	10.11	32.61	3
93	5	4205.6	6712.2	16	7	2008	21:47	54	16.96	32.19	6.79	32.67	3
94	6	4205.4	6714.5	17	7	2008	3:57	53	16.69	32.28	10.90	32.64	4
95	7	4205.0	6714.6	17	7	2008	8:07	50	16.97	32.28	6.26	32.77	4
96	8	4205.4	6710.7	17	7	2008	22:37	51	17.83	32.23	7.53	32.66	4
97	9	4208.0	6715.1	18	7	2008	0:58	90	17.08	32.32	7.46	32.68	2
98	10	4208.3	6714.7	18	7	2008	4:39	95	17.48	32.22	5.63	32.91	3
99	11	4209.4	6709.5	18	7	2008	8:18	98	19.70	32.30	5.87	33.40	3
100	12	4209.6	6715.7	19	7	2008	0:01	159	20.59	32.26	7.02	33.96	5
101	13	4210.8	6715.6	19	7	2008	3:49	180	20.45	32.28	7.57	34.62	4
102	14	4201.2	6721.4	19	7	2008	8:38	51	15.84	32.43	12.02	32.66	3
103	15	4157.6	6717.4	19	7	2008	23:28	57	14.76	32.47	13.75	32.54	4
104	16	4157.6	6717.4	20	7	2008	3:25	56	14.40	32.45	14.38	32.44	3
105	17	4201.6	6721.8	20	7	2008	8:46	50	17.61	32.36	12.22	32.69	4