

*Oceanography Branch CTD Data Report*  
*CTD\_REPORT\_2015005HB*

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# Oceanography Branch CTD Data Report

## CTD\_REPORT\_2015005HB

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

HB 15-05  
BENTHIC HABITAT  
Data Coverage: August 13 - 20, 2015  
Southern Mid Atlantic Bight

This report presents a summary of surface and bottom temperature and salinity data collected during the Northeast Fisheries Science Center's HB1505 BENTHIC HABITAT Survey aboard the NOAA FSV *Henry B Bigelow*. Data was obtained with a Seabird Electronics SBE Model 19+ profiling CTD s/n 4477. Sea water samples were taken for the purpose of correcting conductivity. Data presented here have been audited, however, corrections and/or updates may be applied at a later time.

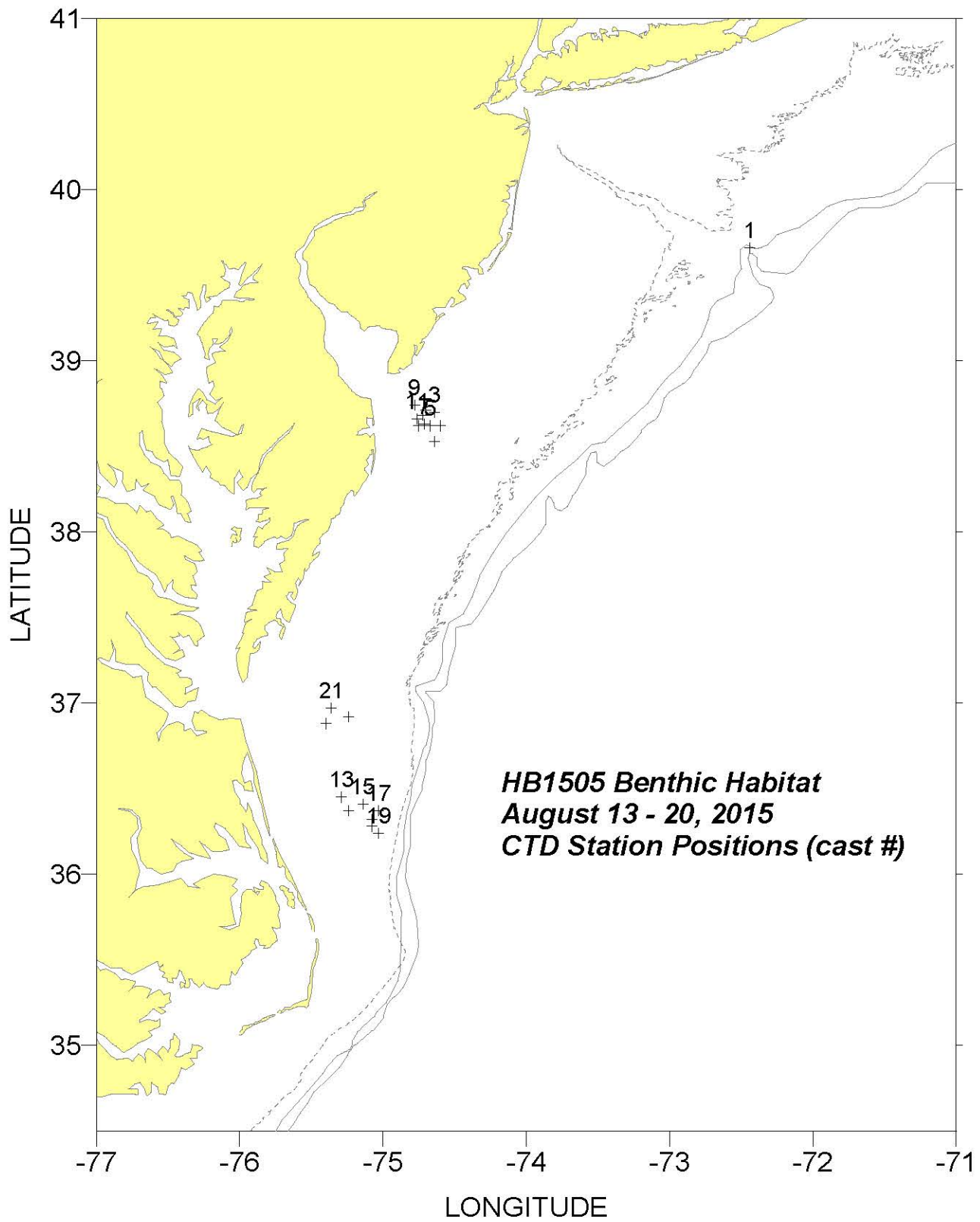
The most recent and complete station data can be found in an NODC formatted ASCII file at:  
[ftp://ftp.nefsc.noaa.gov/pub/hydro/nodc\\_files/HB1505.dat](ftp://ftp.nefsc.noaa.gov/pub/hydro/nodc_files/HB1505.dat)

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

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

choose: **2015 Cruises**  
**AUG\_BENTHIC\_HB1505**  
**CTD\_REPORT\_2015005HB.pdf**

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**Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the  
HB1505 Benthic Habitat Survey  
August 13 - 20, 2015**

| CRUISE | CD  | SURFACE |       |         |      |      |      | BOTTOM           |       |         |      |      |      | Purpose |  |
|--------|-----|---------|-------|---------|------|------|------|------------------|-------|---------|------|------|------|---------|--|
|        |     | #obs    | T/S   | Anomaly | SDV1 | SDV2 | Flag | #obs             | T/S   | Anomaly | SDV1 | SDV2 | Flag |         |  |
|        |     |         |       |         |      |      |      |                  |       |         |      |      |      |         |  |
|        |     |         |       |         |      |      |      | <b>MAB South</b> |       |         |      |      |      |         |  |
| hb1401 | 228 | 21      | 25.48 | 1.19    | 1.78 | 0.47 | 1    | 21               | 14.56 | 0.17    | 1.86 | 1.33 | 1    | 91      |  |
| hb1401 | 228 | 21      | 32.19 | 0.37    | 1.10 | 0.32 | 1    | 21               | 33.19 | 0.03    | 0.68 | 0.32 | 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.

**HB1505 Benthic Habitat Survey**  
**August 13 - 20, 2015**

| Cast # | Sta # | Lat (deg N) | Long (deg W) | Day | Mo | Year | Time (GMT) | Btm Depth (m) | Sfc Temp (deg C) | Sfc Salt | Deepest Observed | Deepest Observed | Meters from | Method of  |
|--------|-------|-------------|--------------|-----|----|------|------------|---------------|------------------|----------|------------------|------------------|-------------|------------|
|        |       |             |              |     |    |      |            |               |                  |          | Temp (deg C)     | Salt             | Bottom      | Deployment |
| 1      | 1     | 3939.8      | 7226.5       | 13  | 8  | 2015 | 3:25       | 101           | 24.52            | 33.74    | 10.77            | 34.87            | 2           | V          |
| 2      | 2     | 3837.1      | 7435.9       | 13  | 8  | 2015 | 18:35      | 30            | 24.72            | 31.53    | 12.88            | 32.47            | 3           | V          |
| 3      | 3     | 3842.2      | 7438.5       | 14  | 8  | 2015 | 1:34       | 27            | 24.66            | 31.86    | 14.12            | 32.34            | 5           | V          |
| 4      | 4     | 3831.9      | 7438.6       | 14  | 8  | 2015 | 8:30       | 22            | 24.79            | 31.54    | 15.43            | 32.33            | 2           | W          |
| 5      | 5     | 3837.0      | 7440.4       | 14  | 8  | 2015 | 12:48      | 28            | 24.48            | 31.73    | 13.67            | 32.41            | 3           | V          |
| 6      | 6     | 3837.1      | 7445.1       | 14  | 8  | 2015 | 16:09      | 20            | 24.95            | 31.79    | 18.68            | 32.01            | 5           | V          |
| 7      | 7     | 3837.9      | 7442.9       | 14  | 8  | 2015 | 19:31      | 25            | 25.13            | 31.78    | 17.16            | 32.79            | 4           | V          |
| 8      | 8     | 3840.6      | 7443.5       | 14  | 8  | 2015 | 23:17      | 28            | 24.19            | 31.83    | 16.76            | 32.19            | 4           | V          |
| 9      | 9     | 3844.2      | 7446.8       | 15  | 8  | 2015 | 12:17      | 21            | 22.65            | 31.16    | 21.70            | 31.87            | 2           | V          |
| 10     | 10    | 3839.7      | 7445.8       | 15  | 8  | 2015 | 16:09      | 26            | 25.09            | 31.77    | 16.83            | 32.14            | 3           | W          |
| 11     | 11    | 3839.9      | 7445.3       | 15  | 8  | 2015 | 22:37      | 27            | 25.36            | 31.76    | 16.34            | 32.18            | 4           | V          |
| 12     | 12    | 3842.4      | 7441.8       | 16  | 8  | 2015 | 13:46      | 27            | 24.83            | 31.75    | 15.18            | 32.29            | 5           | W          |
| 13     | 13    | 3627.1      | 7517.5       | 18  | 8  | 2015 | 9:15       | 32            | 26.46            | 32.18    | 13.86            | 33.70            | 3           | W          |
| 14     | 14    | 3622.3      | 7514.3       | 18  | 8  | 2015 | 13:18      | 35            | 25.99            | 32.47    | 15.07            | 33.89            | 3           | V          |
| 15     | 15    | 3624.7      | 7508.3       | 18  | 8  | 2015 | 18:16      | 34            | 26.16            | 32.45    | 13.85            | 34.11            | 3           | V          |
| 16     | 16    | 3619.4      | 7504.7       | 19  | 8  | 2015 | 0:54       | 41            | 26.40            | 32.86    | 13.36            | 34.17            | 4           | W          |
| 17     | 17    | 3622.1      | 7501.5       | 19  | 8  | 2015 | 5:28       | 38            | 26.30            | 33.11    | 13.44            | 34.22            | 2           | V          |
| 18     | 18    | 3616.8      | 7504.9       | 19  | 8  | 2015 | 9:18       | 45            | 26.19            | 32.79    | 13.36            | 34.08            | 2           | V          |
| 19     | 19    | 3614.5      | 7501.7       | 19  | 8  | 2015 | 13:23      | 42            | 26.24            | 33.14    | 14.12            | 34.36            | 2           | V          |
| 20     | 20    | 3653.0      | 7524.0       | 19  | 8  | 2015 | 20:03      | 31            | 26.01            | 32.02    | 15.52            | 33.25            | 4           | V          |
| 21     | 21    | 3658.3      | 7521.5       | 19  | 8  | 2015 | 23:03      | 32            | 26.45            | 31.92    | 13.79            | 33.47            | 5           | V          |
| 22     | 22    | 3655.0      | 7514.2       | 20  | 8  | 2015 | 3:47       | 36            | 26.20            | 31.97    | 11.65            | 33.71            | 3           | W          |

Deployment codes: W=water cast; and V=vertical cast