

*Oceans and Climate Branch CTD Data Report
DEL0514 – Benthic Habitat*

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December 9, 2005

MEMORANDUM FOR: David Mountain
Vince Guida

FROM: Cristina Bascuñán (ext. 2243)

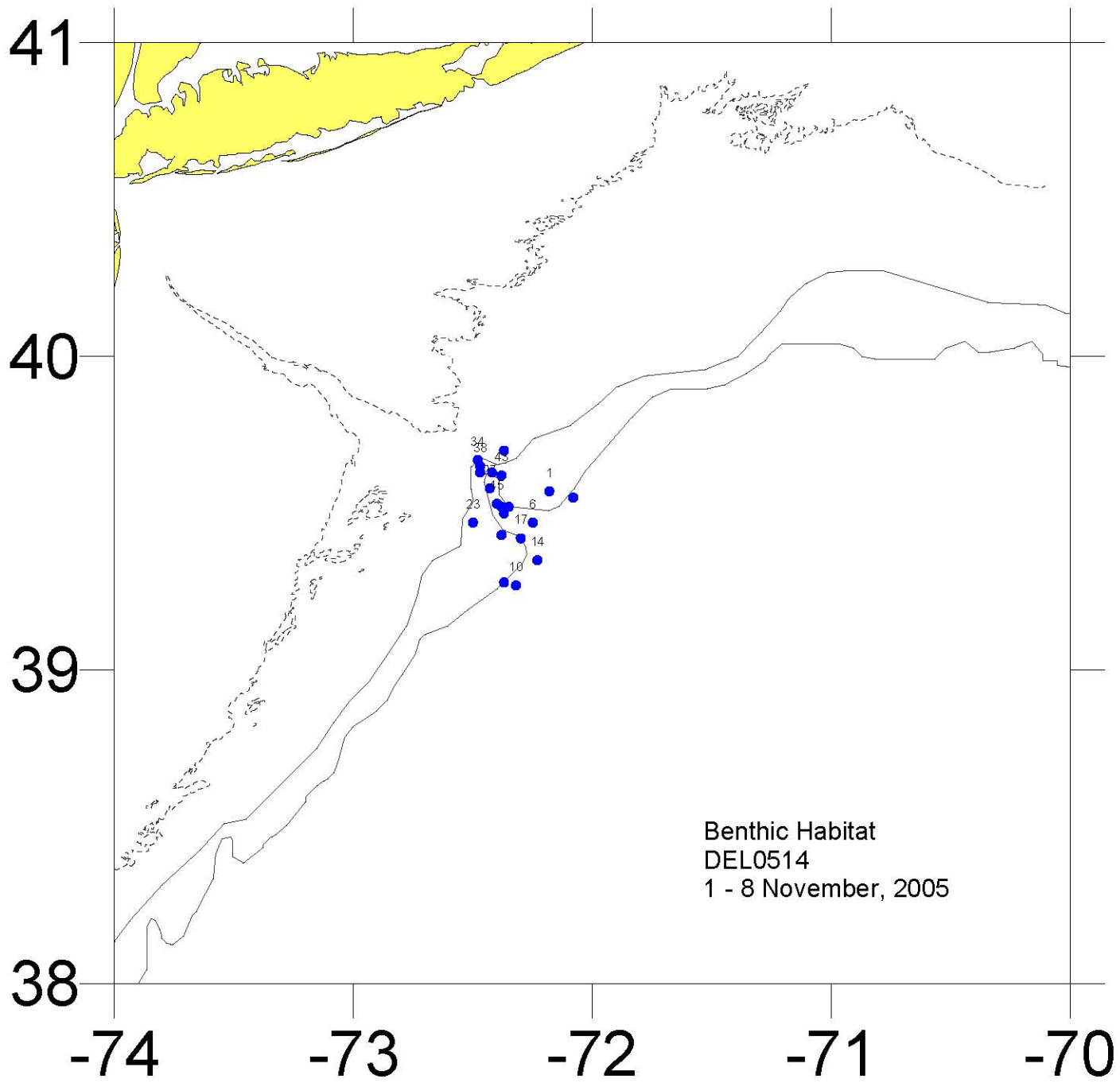
SUBJECT: DEL0514 – Benthic Habitat

CTD data from the Benthic Habitat cruise have been processed and are now available. There were 22 casts done. Please note that areal averages for the bottom values could not be calculated.

Hydrographic data for this cruise may be found in the following location:

- whsun2: /ftp/pub/hydro/del0514.dat (NODC file)
- Oracle

Please call if you have any questions.



DEL0514
Benthic Habitat
1 - 8 November, 2005

Cast #	Sta #	Lat	Lon	Day	Month	Year	Time	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Btm
1	1	3934.0	7211.3	1	11	2005	17:19	145	18.8	35.38	12.5	35.47	5
2	2	3933.2	7205.4	2	11	2005	3:34	272	18.7	35.30	9.5	35.23	11
3	6	3928.6	7215.3	2	11	2005	17:19	948	18.6	35.35	4.5	34.96	10
4	7	3917.0	7222.5	2	11	2005	19:19	193	16.2	34.52	11.2	35.40	5
5	10	3916.3	7219.7	3	11	2005	0:52	286	17.5	34.99	8.9	35.18	4
6	13	3930.9	7222.0	3	11	2005	16:19	641	17.6	34.96	5.2	34.98	8
7	14	3921.5	7214.2	3	11	2005	18:00	291	17.8	35.15	8.4	35.14	6
8	16	3931.0	7221.8	4	11	2005	15:16	681	16.6	34.54	5.2	34.98	12
9	17	3925.3	7218.1	4	11	2005	16:49	153	17.8	35.09	11.8	35.45	3
10	20	3926.3	7223.7	4	11	2005	20:34	125	17.4	34.93	12.3	35.45	2
11	23	3928.7	7230.0	5	11	2005	0:26	114	16.3	34.61	12.4	35.42	7
12	25	3931.0	7223.2	5	11	2005	15:30	521	16.6	34.53	5.4	34.99	21
13	27	3935.3	7226.8	5	11	2005	19:10	103	15.5	33.80	12.7	35.27	4
14	31	3938.8	7228.4	5	11	2005	23:57	109	14.8	33.42	12.3	35.10	3
15	34	3940.7	7229.5	6	11	2005	3:49	98	14.8	33.42	13.3	34.45	13
16	35	3938.0	7225.6	6	11	2005	16:00	255	15.3	33.71	9.5	35.24	24
17	38	3939.7	7228.1	6	11	2005	21:23	212	14.8	33.32	10.0	35.26	10
18	41	3938.7	7225.0	7	11	2005	1:55	105	15.0	33.46	12.8	34.88	17
19	43	3937.4	7223.7	7	11	2005	4:13	127	15.7	33.96	13.5	34.96	57
20	44	3937.5	7223.4	7	11	2005	4:28	111	15.7	33.98	12.7	35.15	15
21	45	3932.7	7224.1	7	11	2005	16:30	511	15.9	34.06	5.3	34.99	16
22	47	3942.0	7222.8	8	11	2005	20:40	95	14.7	33.17	12.9	34.85	5

Areal average surface temp / salt and anomalies for the Benthic Habitat cruise DEL0514.

SURFACE						
CRUISE	CD	#obs	T / S	anoma	SDV1	SDV2
Mid-Atlantic Bight South						
DEL0514	308	21	16.53	-0.31	0.34	1.65*
DEL0514	308	21	34.41	0.04	0.22	0.98*
Mid-Atlantic Bight North						
DEL0514	309	5	16.7	0.74	0.67	3.41*
DEL0514	309	5	34.36	0.17	0.43	1.76*

(1) "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 included in each average; "T / S": the areal average temp / salt anomaly; "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 wa derived.

(*) A true areal average could not be calculated due to poor station coverage. The average values listed were derived from a simple average of the observations within the region.