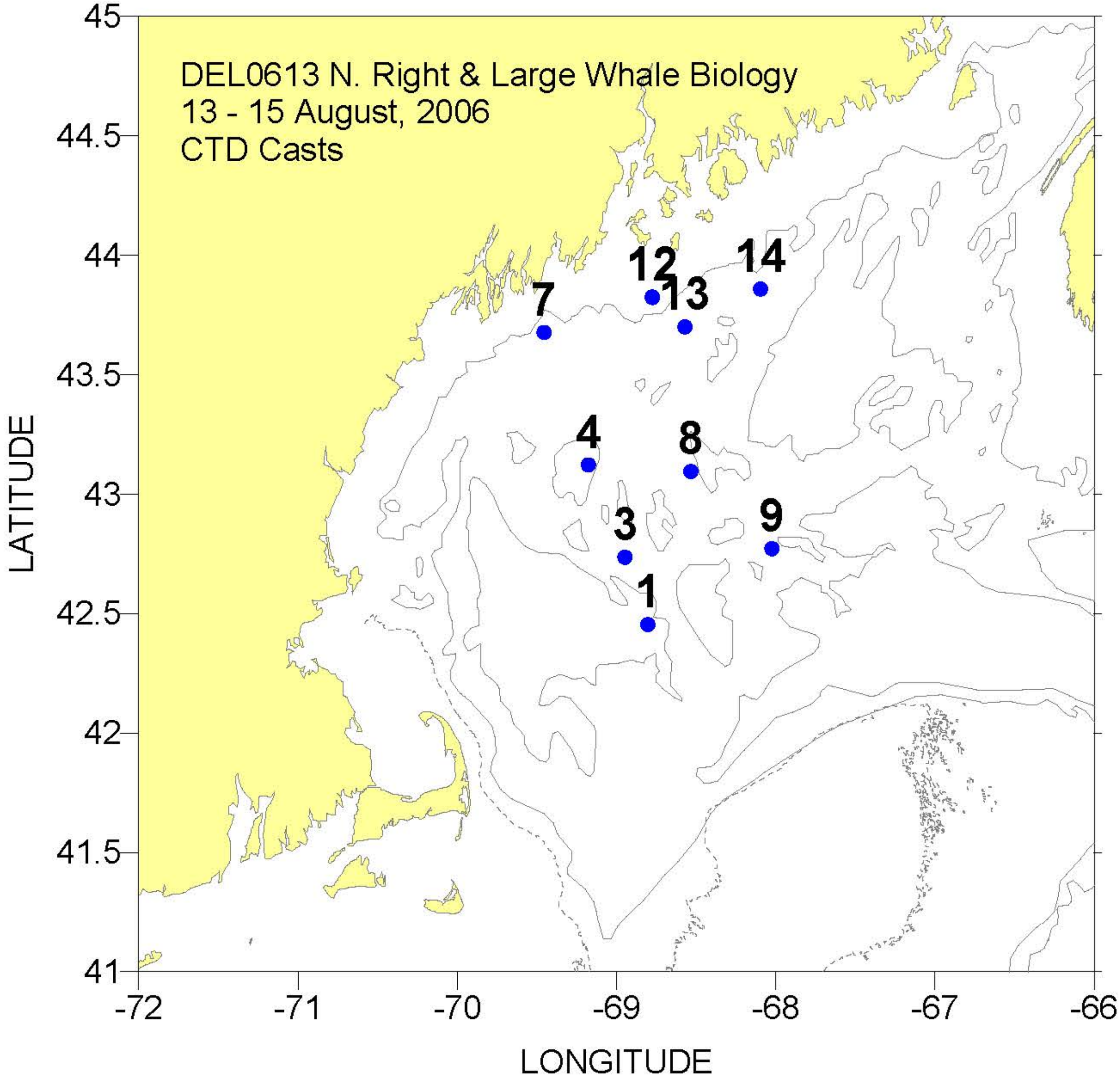
Oceanography Branch CTD Data Report
N. Right & Large Whale Biology -
DEL0613

For further information, contact Cristina Bascuñán
National Marine Fisheries Service, Northeast Fisheries Science
Center, Woods Hole, Massachusetts 02543-1097.

DATE: 13 - 15 August, 2006



DEL0613 N. Right & Large Whale Biology
13 - 15 August, 2006
CTD Casts
LATITUDE
LONGITUDE
45
44.5
44
43.5
43
42.5
42
41.5
41
-72
-71
-70
-69
-68
-67
-66
1
3
4
7
8
9
12
13
14

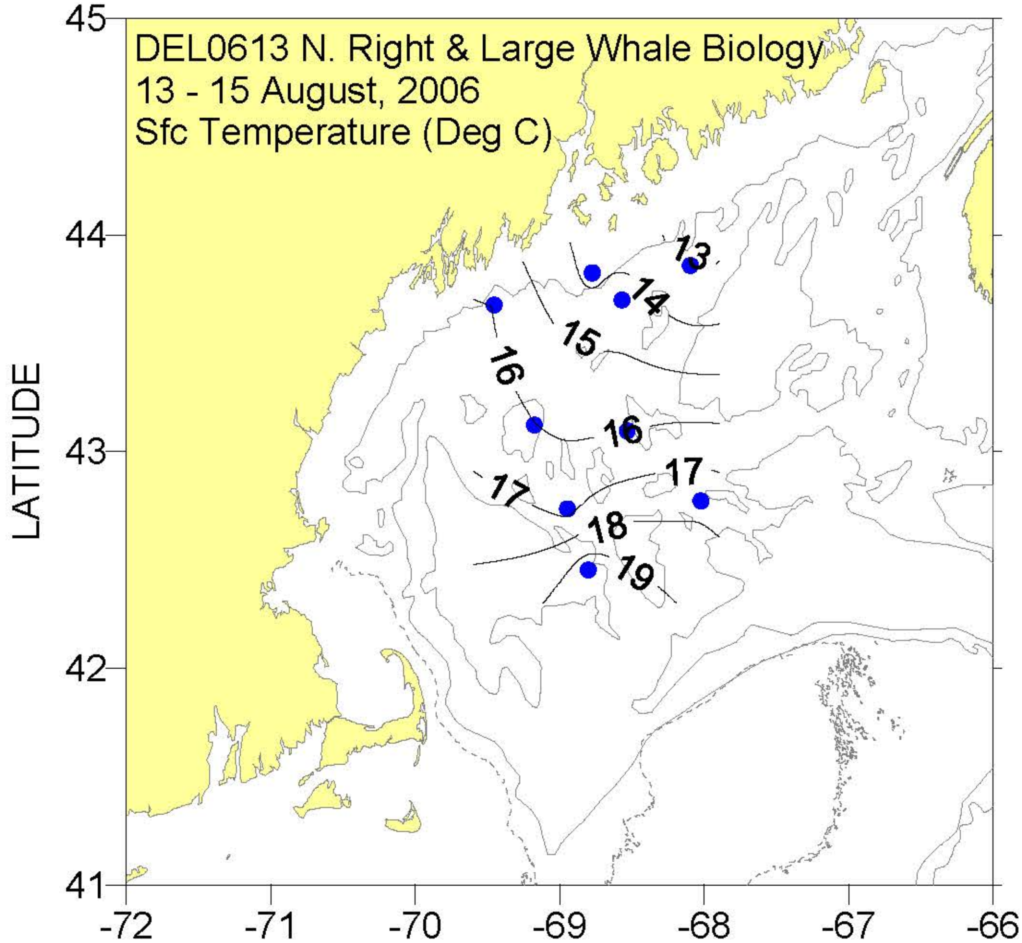
Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for DEL0613 N. Right & Large Whale Biology Survey

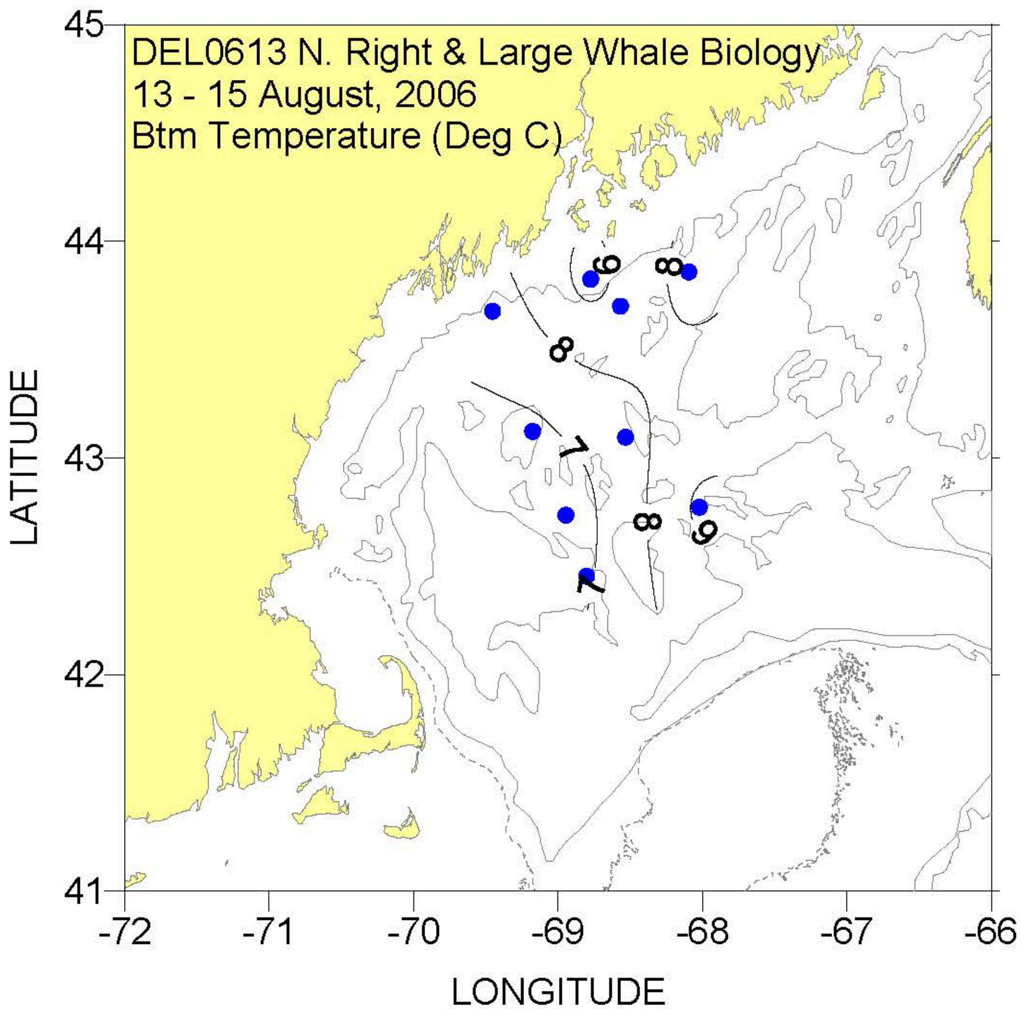
		SURFACE						BOTTOM						
CRUISE	CD	#obs	T/S	Anomaly	SDV1	SDV2	Flag	#obs	T/S	Anomaly	SDV1	SDV2	Flag	Purpose
							Gulf of Maine West							
DEL0613	226	10	15.68	1.08	0.33	0.89	1.00	9	7.86	1.13	0.29	0.63	1	90
DEL0613	226	7	31.80	-0.44	0.27	0.29	1.00	9	33.56	0.05	0.17	0.32	1	90

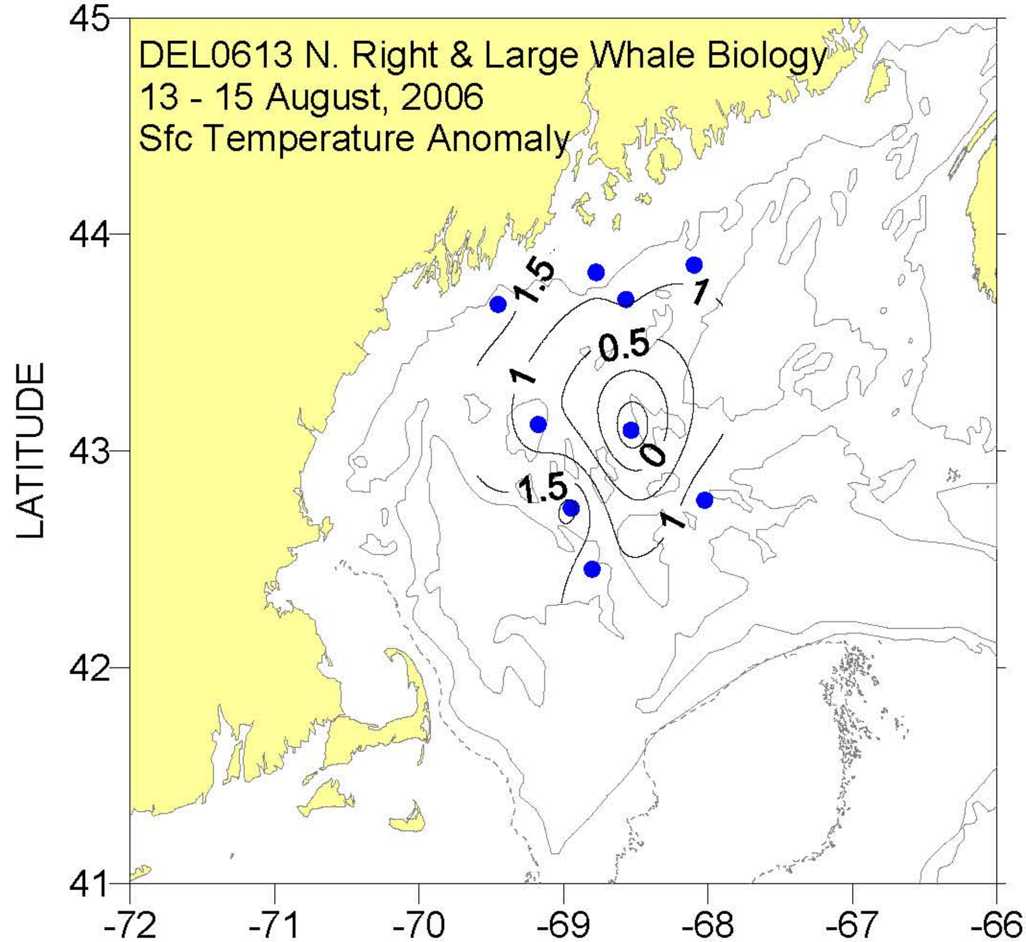
"CRUISE", the code name for a cruise: "CD", the calendar mid-date of all the stations within a region for a cruise:
"#obs", the number of observations include in each average: "T/S", the areal average temp/salt: "Anomaly", the areal average temp/salt anomaly:
"SDV1", the standard deviation associated with the average temp/salt anomaly: "SDV2", the standard deviation of the individual anomalies from which the average anomaly was derived

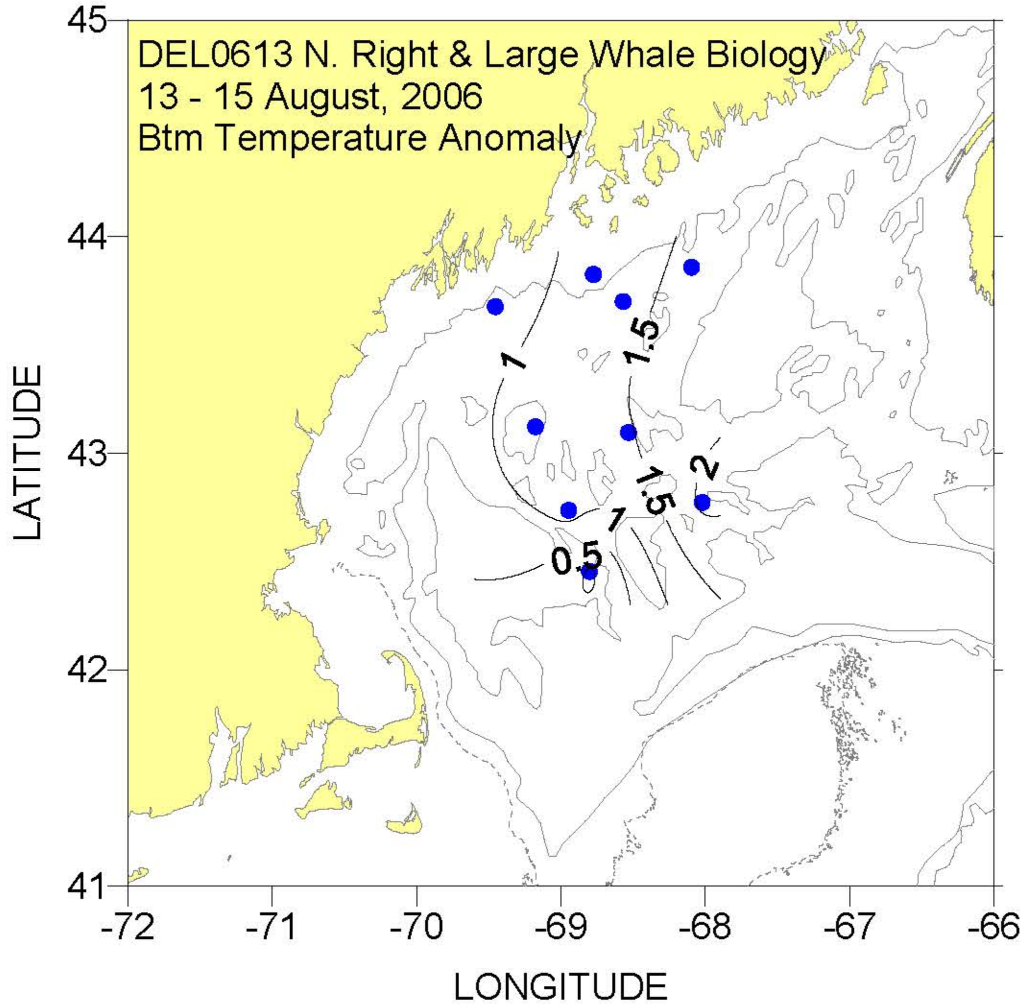
"Flag", a value of "1" indicates that a true areal average could not be calculated due to poor station coverage. The areal averages listed were derived from a simple average of the observations within the region.

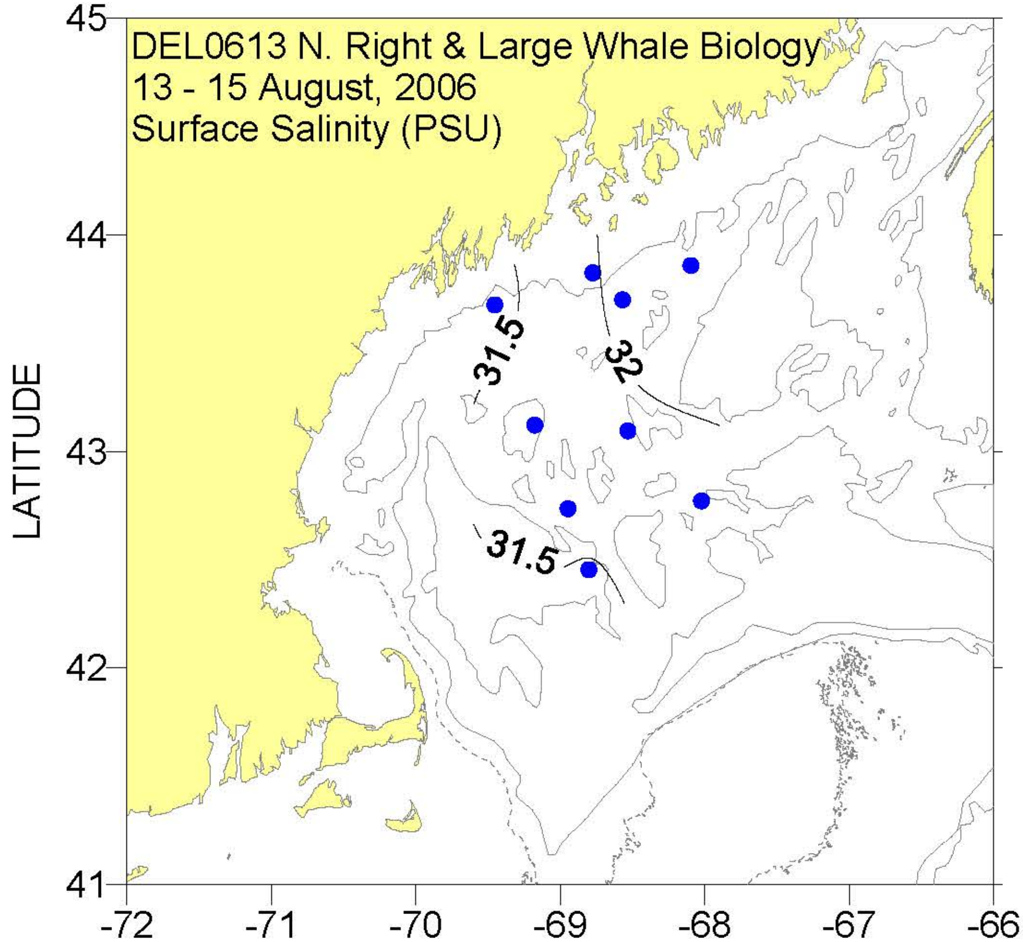
"Purpose", 2 digit code assigned by DMS to identify a unique NEFSC program survey.


DEL0613 N. Right & Large Whale Biology
13 - 15 August, 2006
Sfc Temperature (Deg C)
13
14
15
16
16
17
17
18
19
45
44
43
42
41
-72
-71
-70
-69
-68
-67
-66
LATITUDE

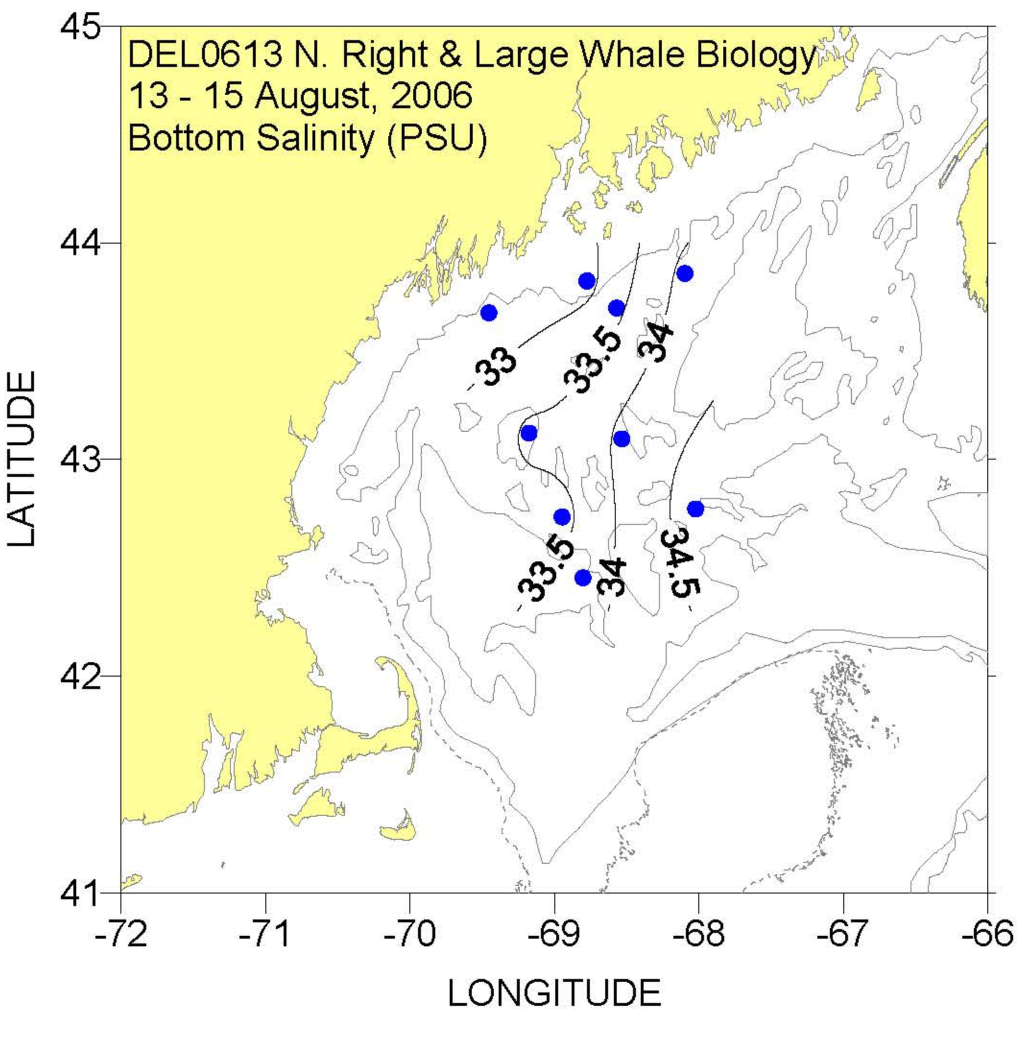

DEL0613 N. Right & Large Whale Biology
13 - 15 August, 2006
Btm Temperature (Deg C)
9
8
8
7
8
9
7
45
44
43
42
41
-72
-71
-70
-69
-68
-67
-66
LATITUDE
LONGITUDE


DEL0613 N. Right & Large Whale Biology
13 - 15 August, 2006
Sfc Temperature Anomaly
LATITUDE
45
44
43
42
41
-72
-71
-70
-69
-68
-67
-66
1.5
1
0.5
0

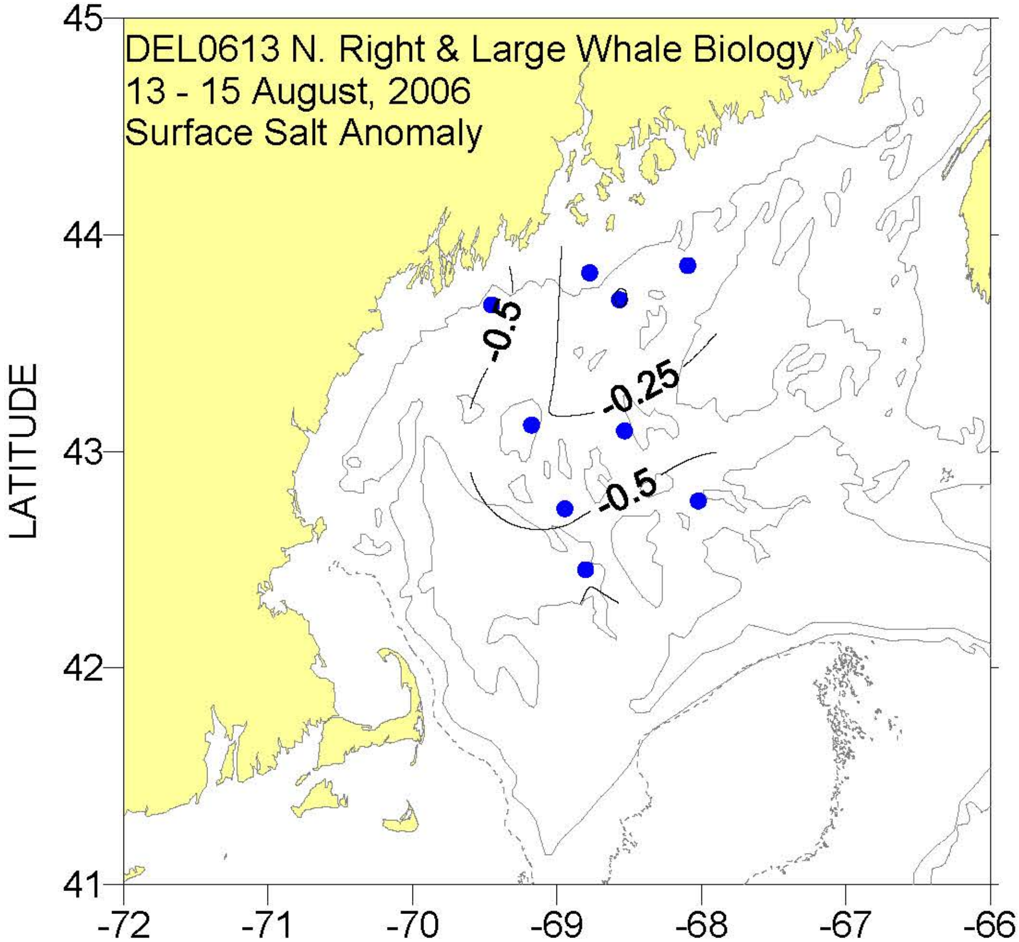

DEL0613 N. Right & Large Whale Biology
13 - 15 August, 2006
Btm Temperature Anomaly
LATITUDE
LONGITUDE
45
44
43
42
41
-72
-71
-70
-69
-68
-67
-66
1
1.5
2
0.5

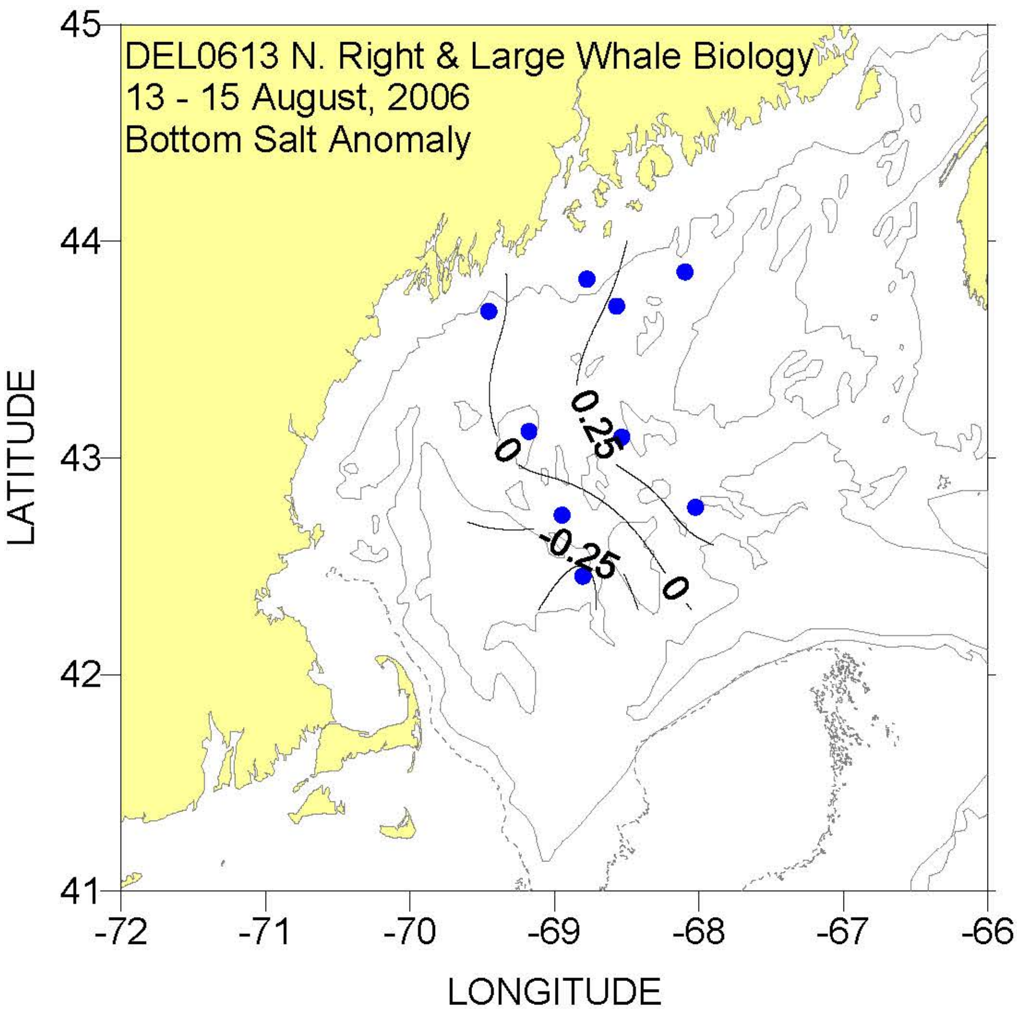


DEL0613 N. Right & Large Whale Biology
13 - 15 August, 2006
Surface Salinity (PSU)
31.5
32
31.5
LATITUDE
45
44
43
42
41
-72
-71
-70
-69
-68
-67
-66



DEL0613 N. Right & Large Whale Biology
13 - 15 August, 2006
Bottom Salinity (PSU)
33
33.5
34
33.5
34
34.5
LATITUDE
LONGITUDE
45
44
43
42
41
-72
-71
-70
-69
-68
-67
-66


DEL0613 N. Right & Large Whale Biology
13 - 15 August, 2006
Surface Salt Anomaly
-0.5
-0.25
-0.5
LATITUDE
45
44
43
42
41
-72
-71
-70
-69
-68
-67
-66


DEL0613 N. Right & Large Whale Biology
13 - 15 August, 2006
Bottom Salt Anomaly
0.25
0
-0.25
0
LATITUDE
LONGITUDE
45
44
43
42
41
-72
-71
-70
-69
-68
-67
-66

DEL0613 Northern Right & Large Whale Biology Survey
CTD Data Collected 13-14 August, 2006

Cast #	Sta #	Lat	Long	Day	Mo	Year	Time (GMT)	Btm Depth	Sfc Temp	Sfc Salt	Btm Temp	Btm Salt	Meters from Bottom
1	1	4227.2	6848.2	13	8	2006	4:11	182	19.70	31.46	6.89	33.78	14
2	3	4244.1	6856.8	13	8	2006	10:01	138	16.65	31.66	6.46	33.32	12
3	4	4307.3	6910.6	13	8	2006	14:13	181	16.03	31.84	6.77	33.60	12
4	7	4340.6	6927.3	13	8	2006	20:10	88	15.98	31.31	7.49	32.67	6
5	8	4305.7	6832.0	14	8	2006	6:45	175	15.92	99.99	7.58	34.13	11
6	9	4246.3	6801.4	14	8	2006	13:49	204	17.74	99.99	9.22	34.69	15
7	12	4349.5	6846.5	14	8	2006	22:42	88	13.82	99.99	9.35	32.83	7
8	12	4349.4	6846.5	14	8	2006	23:02	82	13.66	99.99	9.37	32.84	7
9	13	4342.0	6834.2	15	8	2006	5:19	153	14.65	32.10	7.70	33.76	16
10	14	4351.5	6805.8	15	8	2006	16:25	173	12.65	32.48	7.64	34.11	13