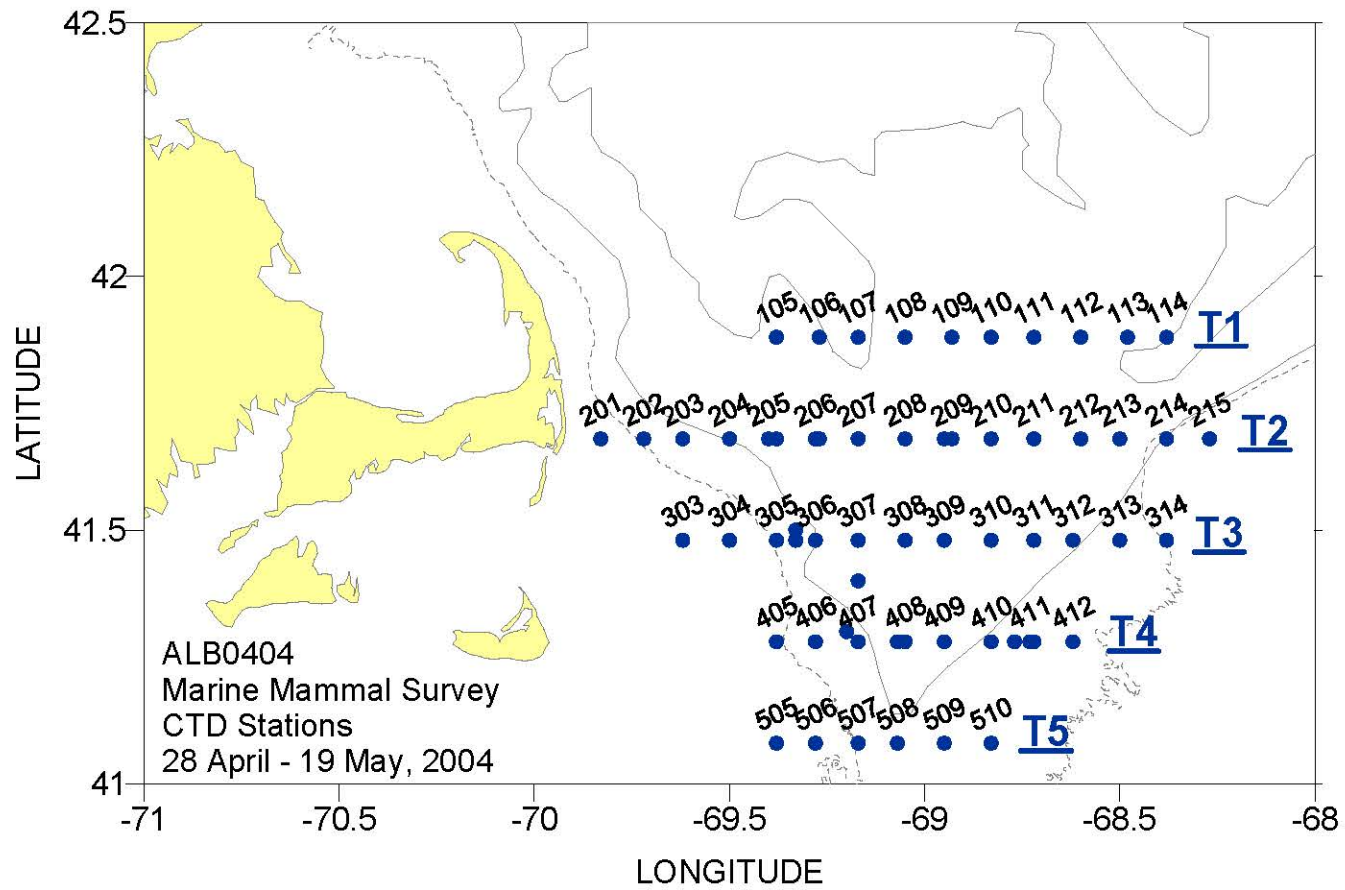


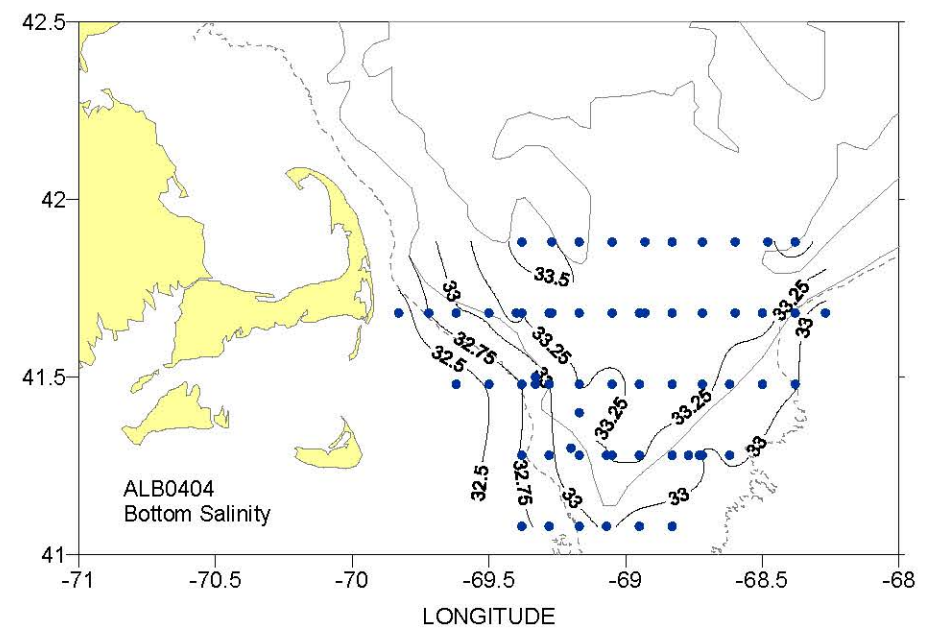
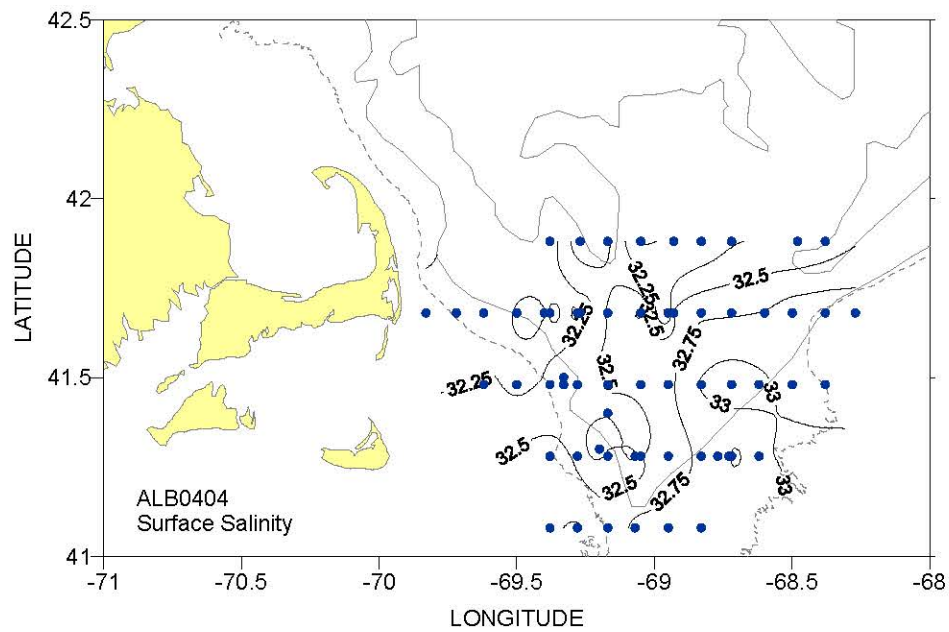
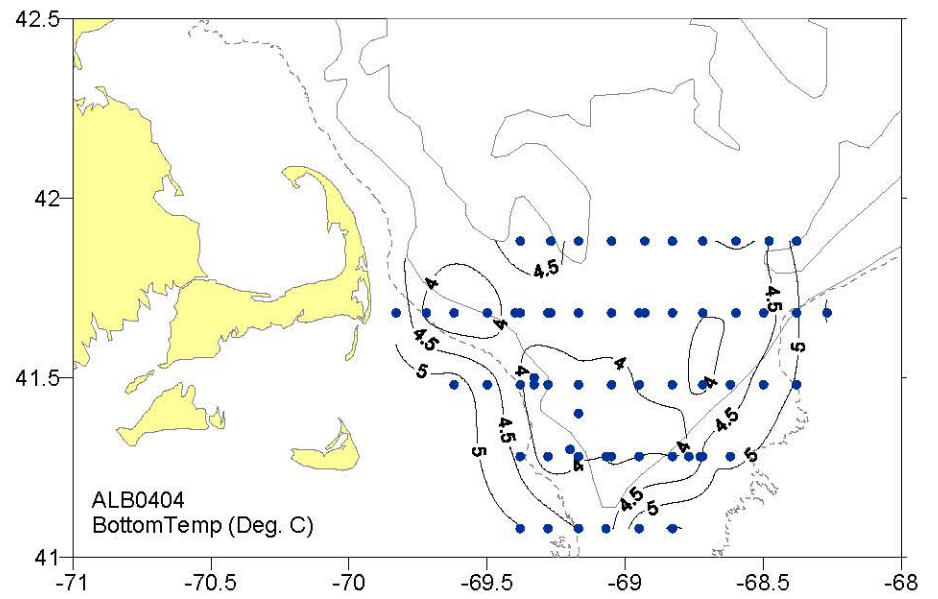
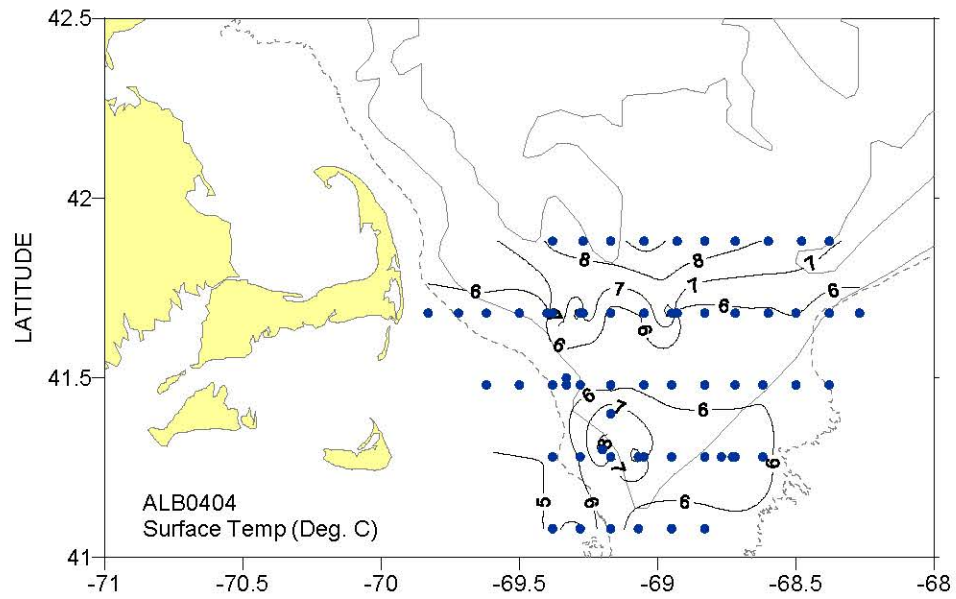
*CTD REPORT*

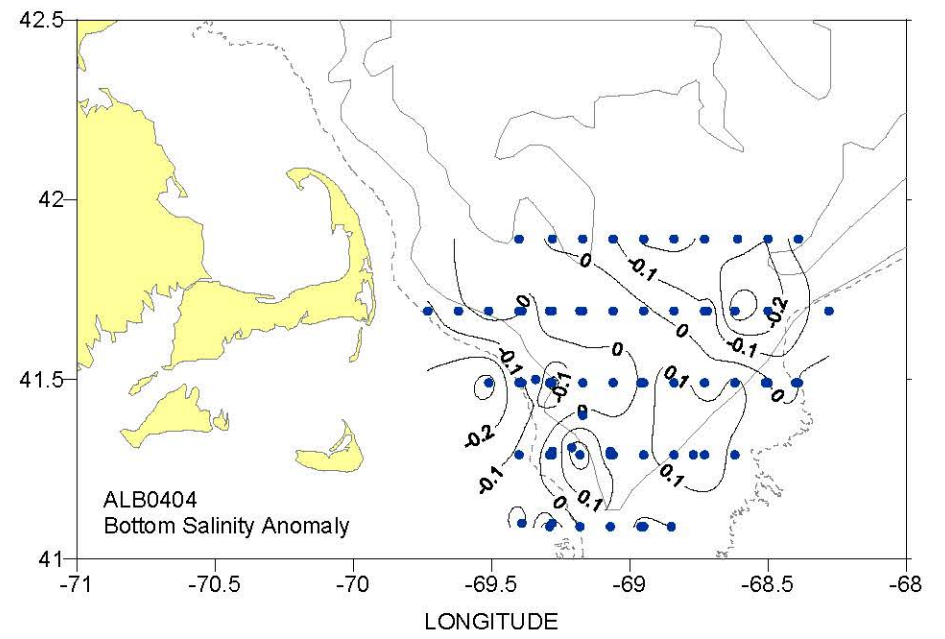
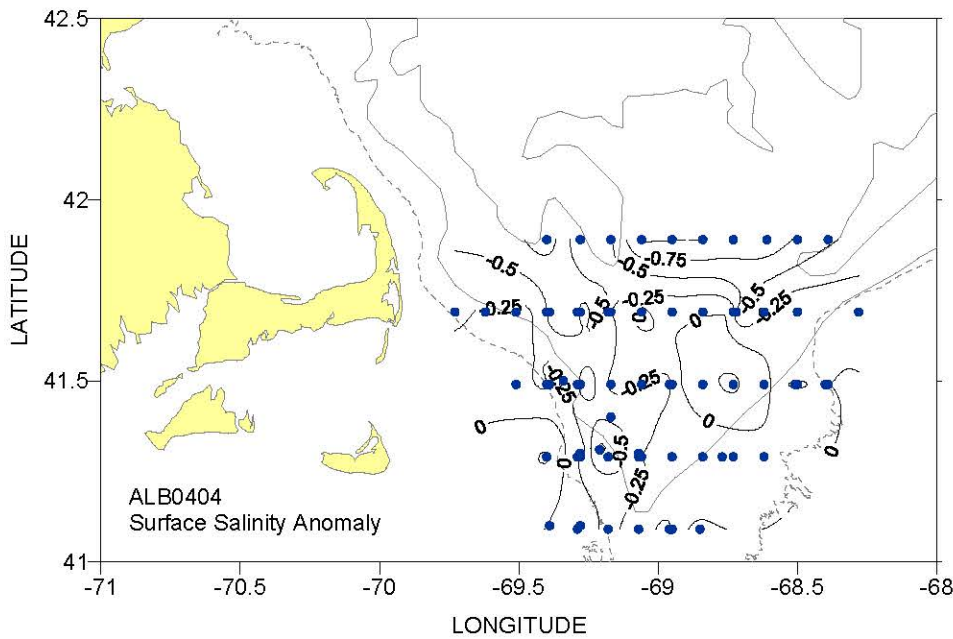
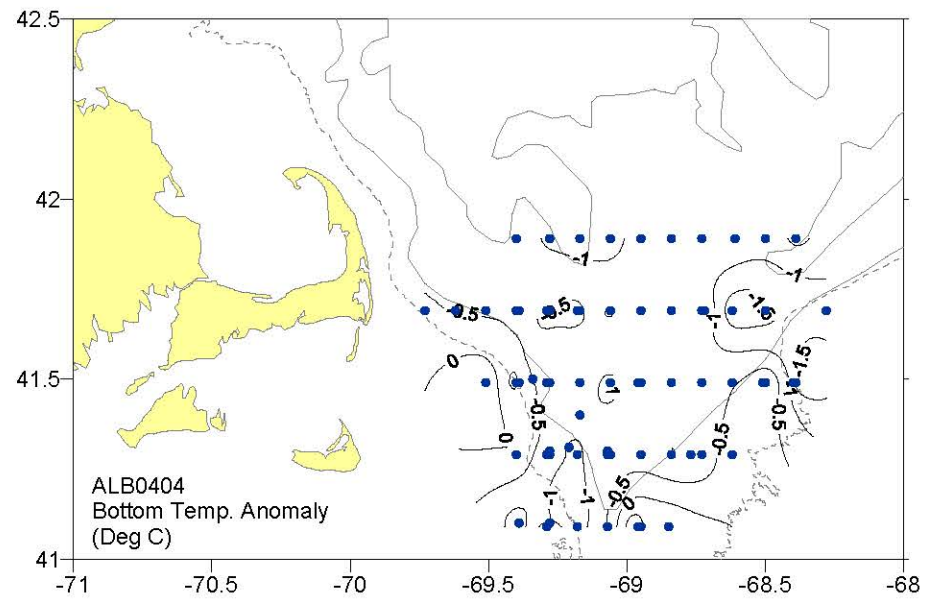
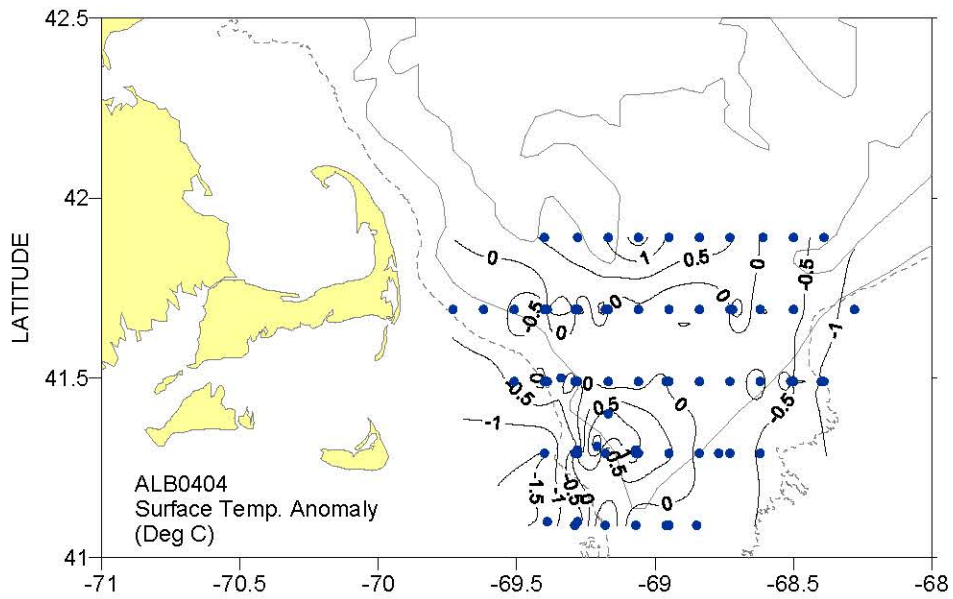
*ALB0404 Marine Mammal Survey*

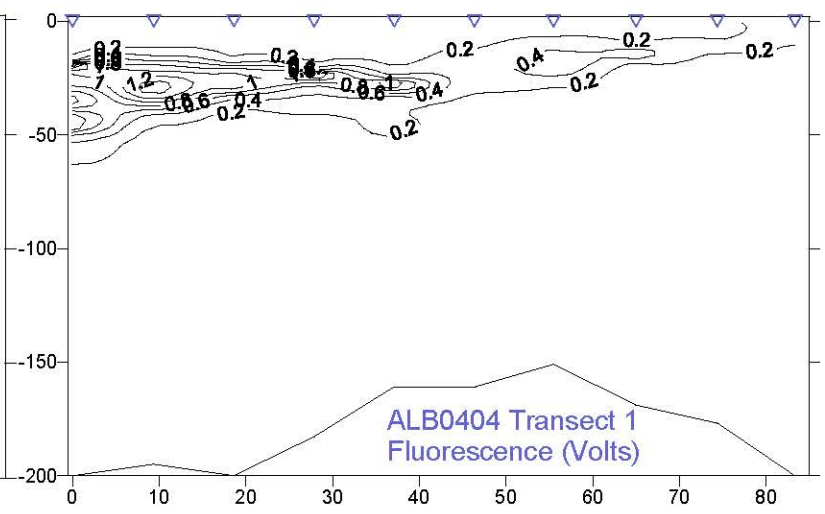
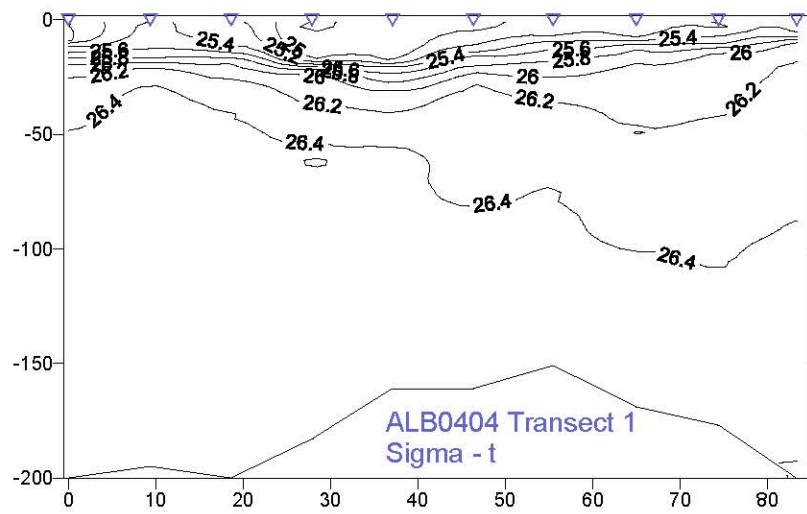
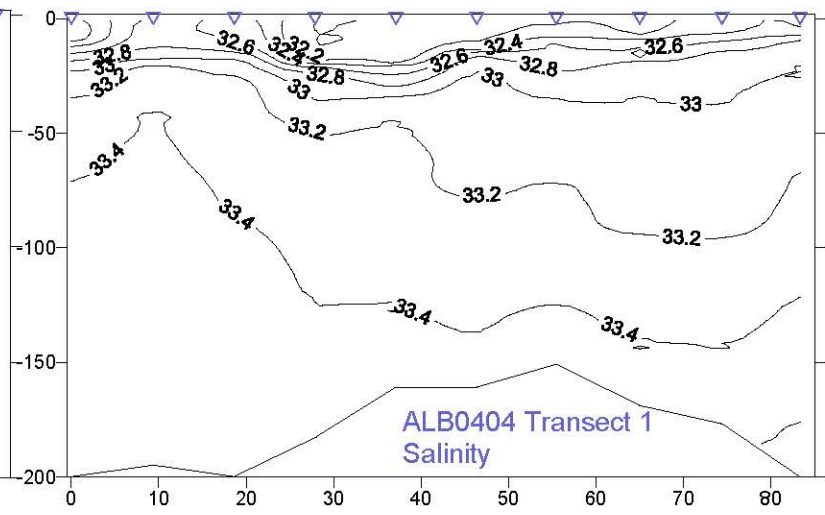
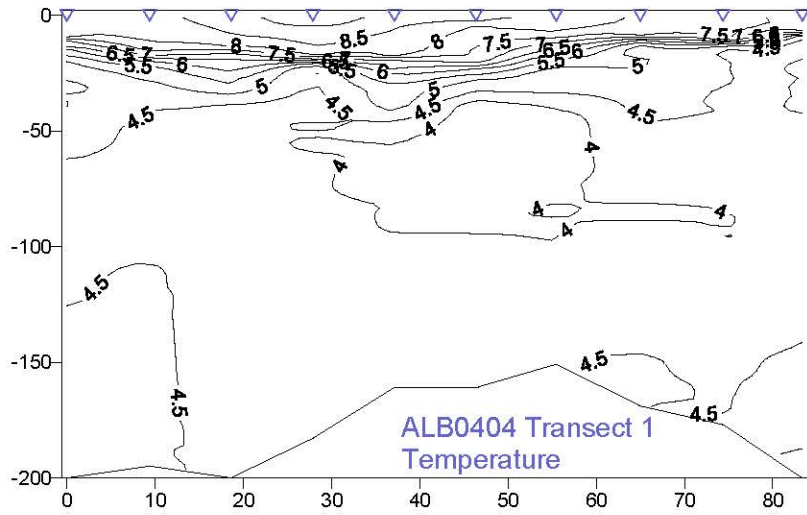
**For further information, contact Cristina Bascuñán (ext. 2243)  
National Marine Fisheries Service, Northeast Fisheries Science  
Center, Woods Hole, Massachusetts 02543-1097.**

DATE: 2004

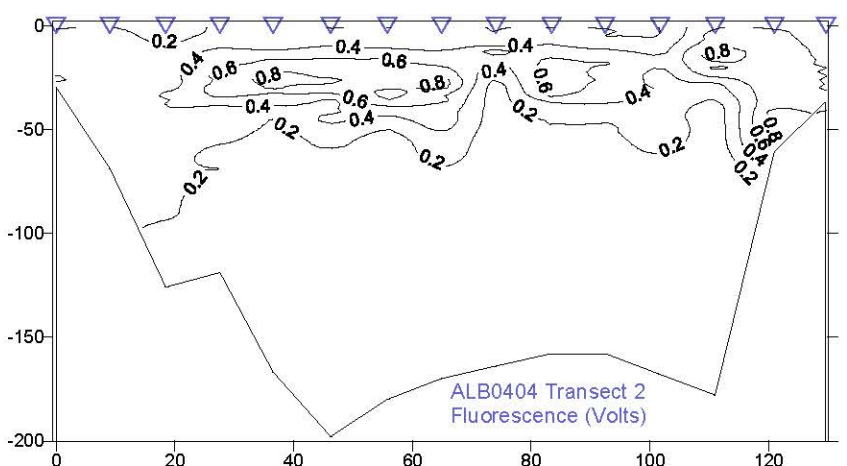
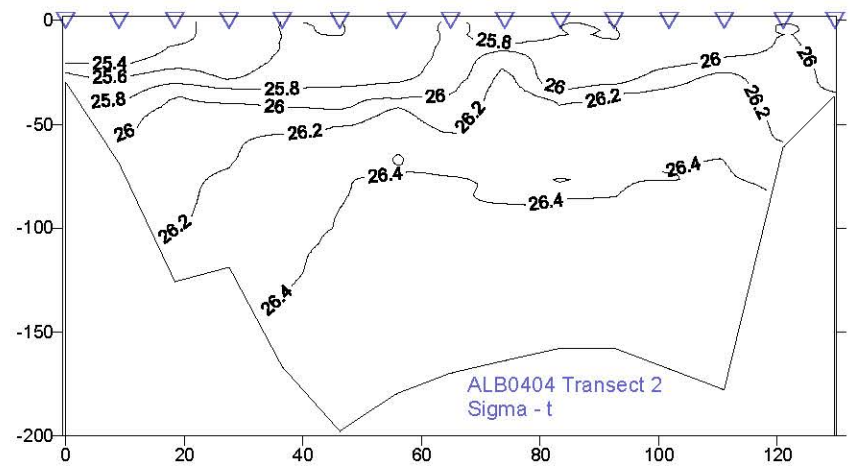
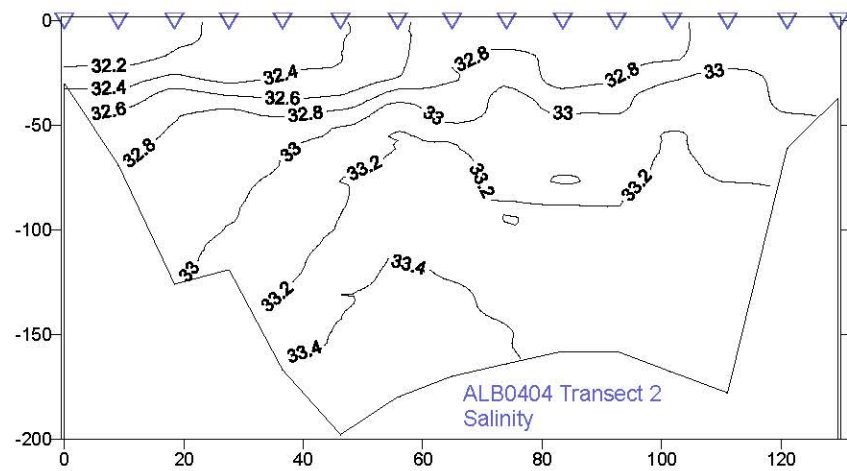
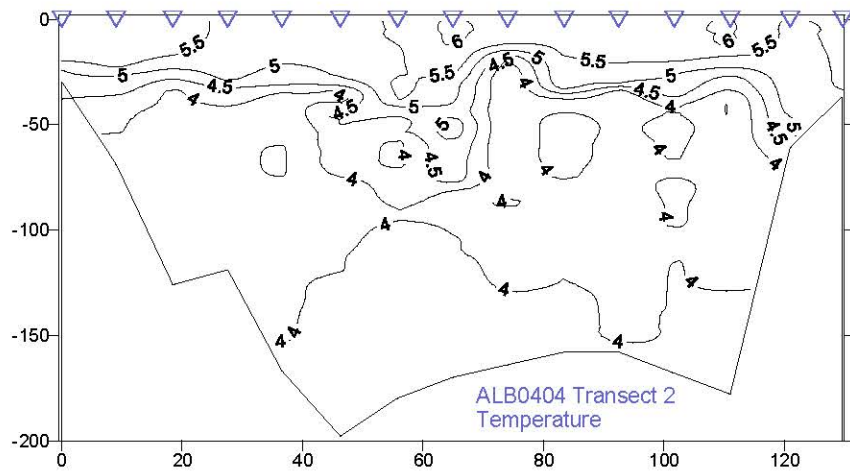


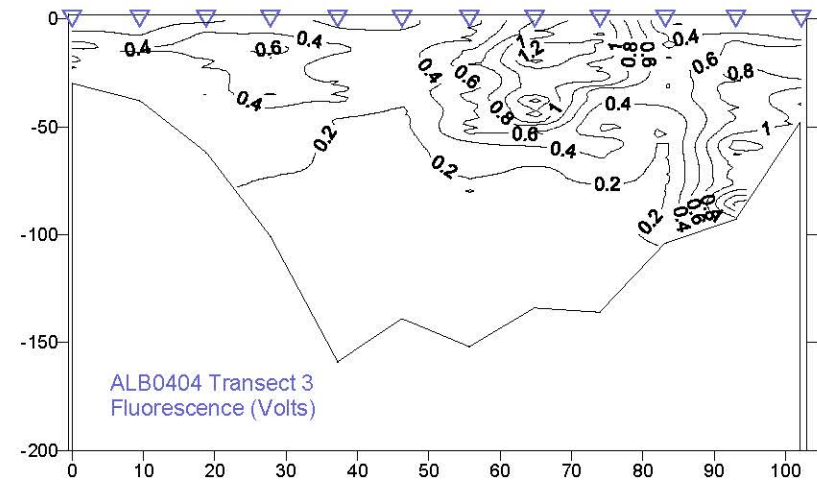
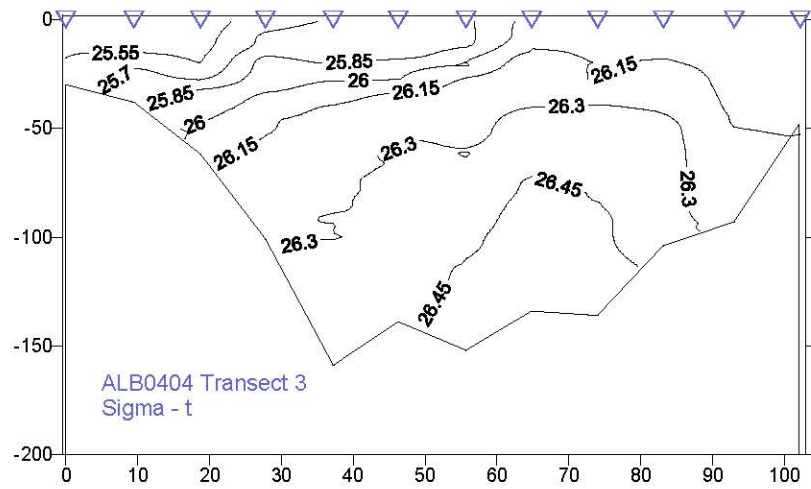
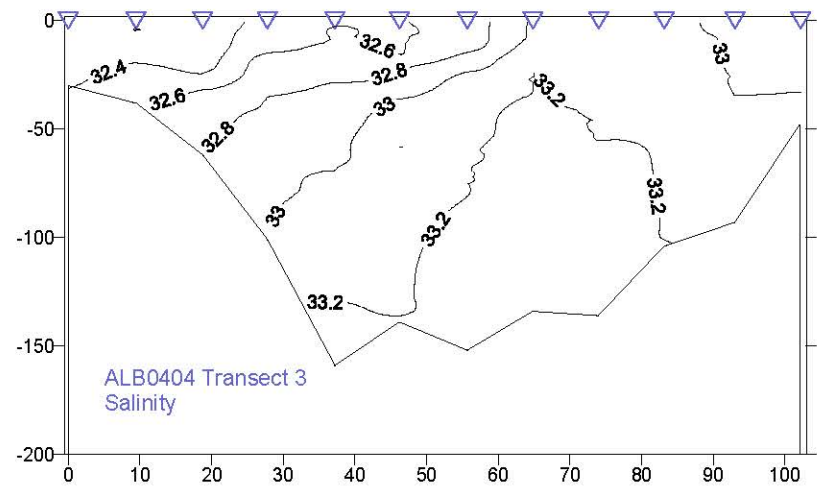
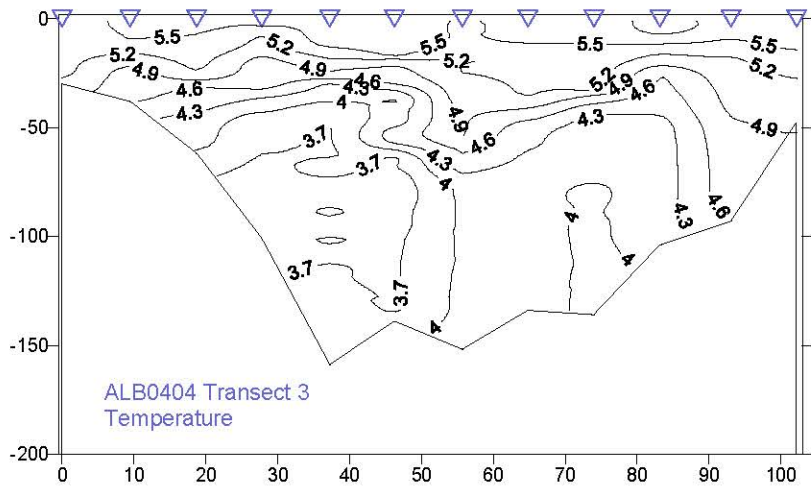


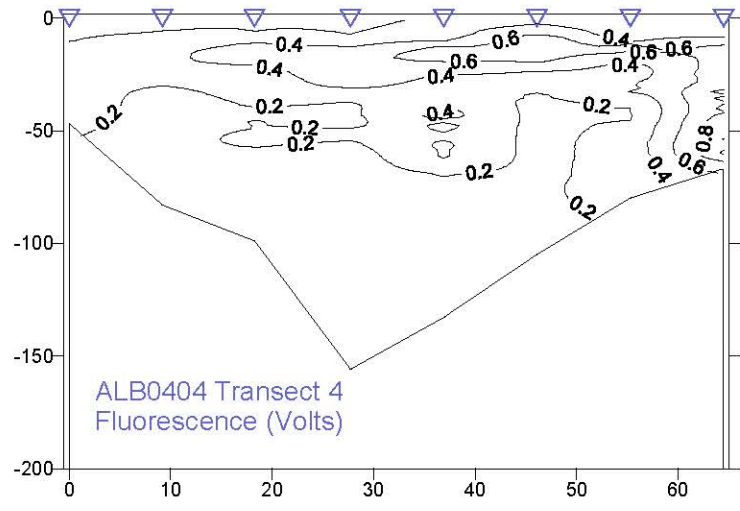
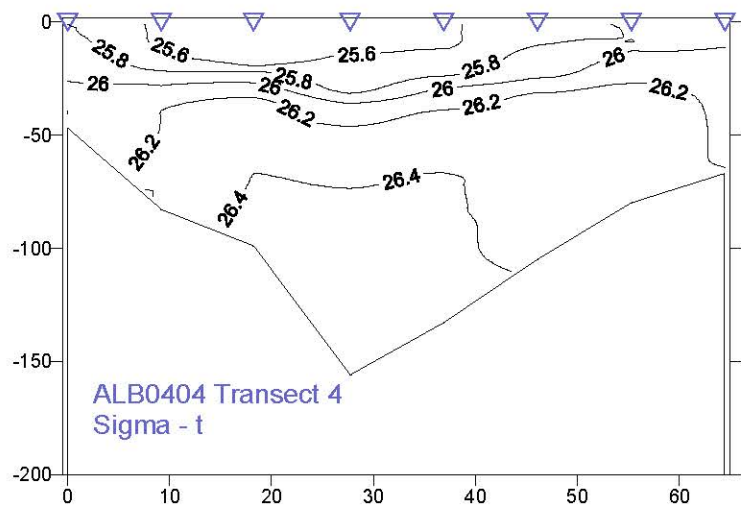
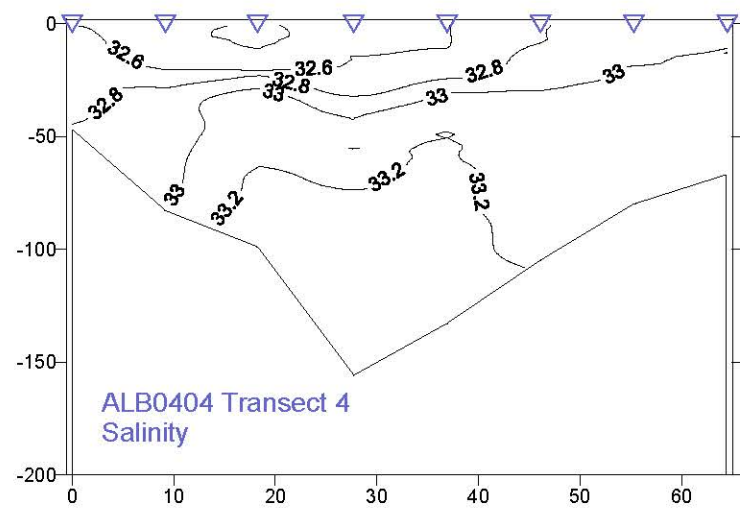
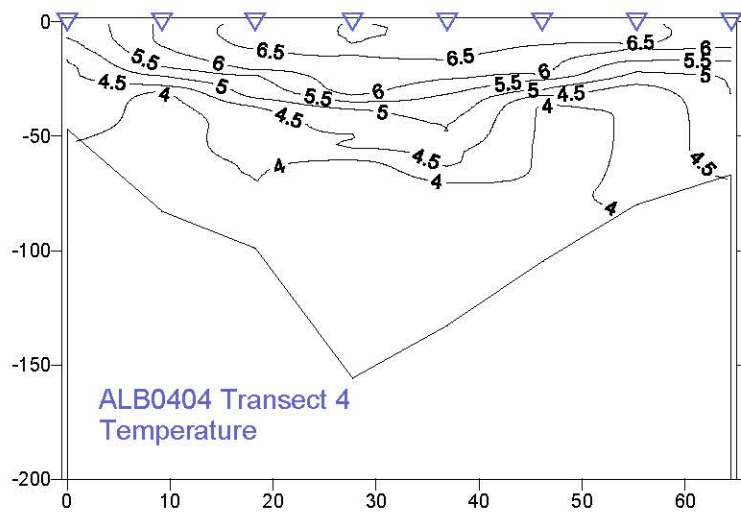




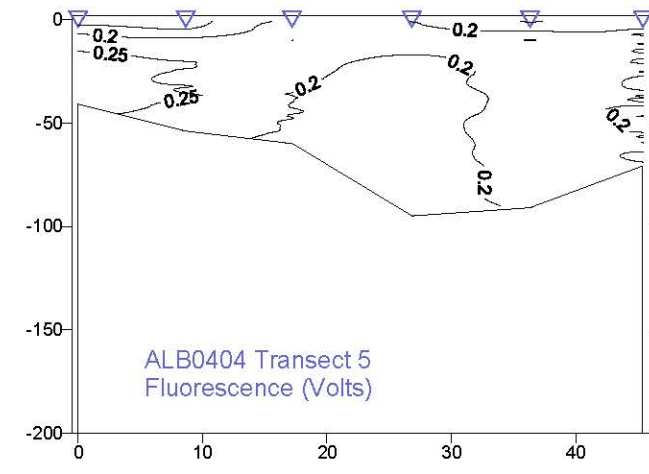
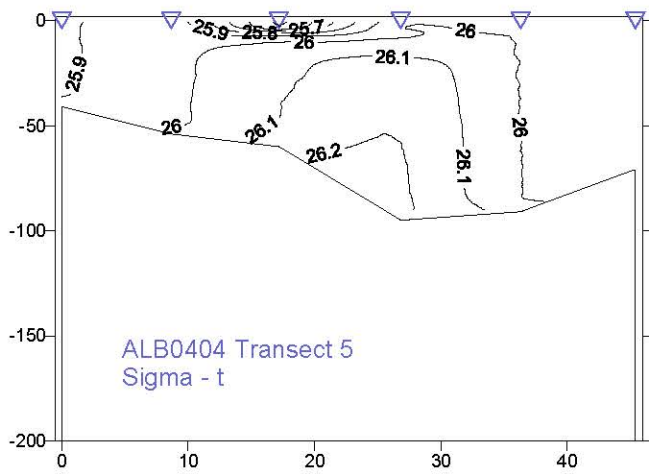
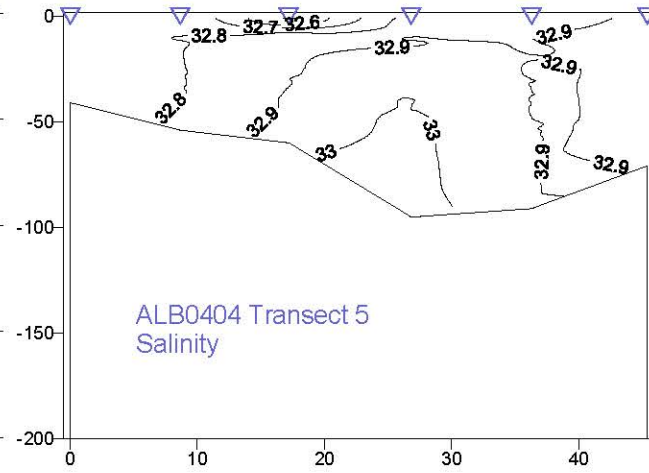
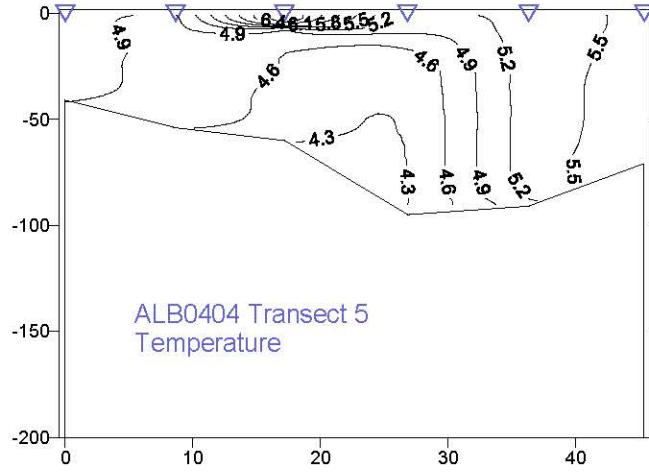












## ALB0404 Marine Mammal Survey

28 April - 19 May, 2004

| Cast # | Sta # | Lat    | Long   | Day | Mo | Yr   | Time (GMT) | Btm Depth | Sfc Temp | Sfc Salt | Btm Temp | Btm Salt | Meters from Bottom |
|--------|-------|--------|--------|-----|----|------|------------|-----------|----------|----------|----------|----------|--------------------|
| 1      | 309   | 4129.5 | 6857.0 | 28  | 4  | 2004 | 20:10      | 152       | 5.46     | 32.69    | 4.07     | 33.33    | 7                  |
| 2      | 310   | 4129.5 | 6850.4 | 28  | 4  | 2004 | 20:55      | 134       | 5.62     | 33.03    | 4.11     | 33.36    | 5                  |
| 3      | 311   | 4129.5 | 6843.8 | 28  | 4  | 2004 | 21:40      | 136       | 5.54     | 33.09    | 3.94     | 33.31    | 6                  |
| 4      | 303   | 4129.2 | 6937.1 | 29  | 4  | 2004 | 11:40      | 30        | 5.32     | 32.30    | 5.28     | 32.32    | 5                  |
| 5      | 304   | 4129.3 | 6930.3 | 29  | 4  | 2004 | 12:25      | 38        | 5.59     | 32.19    | 4.73     | 32.53    | 4                  |
| 6      | 305   | 4129.5 | 6923.6 | 29  | 4  | 2004 | 13:11      | 62        | 5.61     | 32.28    | 4.09     | 32.75    | 5                  |
| 7      | 306   | 4129.3 | 6917.1 | 29  | 4  | 2004 | 13:55      | 101       | 5.56     | 32.46    | 3.56     | 32.99    | 6                  |
| 8      | 306   | 4129.4 | 6917.1 | 29  | 4  | 2004 | 16:28      | 102       | 5.70     | 32.54    | 3.54     | 33.00    | 6                  |
| 9      | 999   | 4129.8 | 6920.5 | 29  | 4  | 2004 | 17:04      | 82        | 5.70     | 32.43    | 3.69     | 32.91    | 4                  |
| 10     | 999   | 4129.9 | 6920.4 | 29  | 4  | 2004 | 17:10      | 82        | 5.67     | 32.42    | 3.68     | 32.92    | 5                  |
| 11     | 999   | 4130.0 | 6920.5 | 29  | 4  | 2004 | 18:23      | 82        | 5.63     | 32.40    | 3.68     | 32.91    | 5                  |
| 12     | 999   | 4130.1 | 6920.4 | 29  | 4  | 2004 | 18:40      | 83        | 5.63     | 32.40    | 3.68     | 32.92    | 4                  |
| 13     | 307   | 4129.3 | 6910.3 | 29  | 4  | 2004 | 19:51      | 159       | 5.62     | 32.59    | 3.93     | 33.26    | 5                  |
| 14     | 308   | 4129.3 | 6903.8 | 29  | 4  | 2004 | 20:37      | 139       | 5.71     | 32.58    | 3.67     | 33.16    | 5                  |
| 15     | 201   | 4141.2 | 6950.4 | 30  | 4  | 2004 | 11:40      | 30        | 5.69     | 32.03    | 5.00     | 32.33    | 6                  |
| 16     | 202   | 4141.5 | 6943.9 | 30  | 4  | 2004 | 12:22      | 69        | 5.72     | 32.04    | 3.85     | 32.75    | 5                  |
| 17     | 203   | 4141.6 | 6937.1 | 30  | 4  | 2004 | 13:04      | 126       | 5.76     | 32.13    | 3.62     | 32.97    | 4                  |
| 18     | 204   | 4141.6 | 6930.5 | 30  | 4  | 2004 | 13:51      | 119       | 5.37     | 32.27    | 3.61     | 33.07    | 5                  |
| 19     | 205   | 4141.3 | 6924.0 | 30  | 4  | 2004 | 14:33      | 167       | 5.15     | 32.37    | 4.31     | 33.40    | 5                  |
| 20     | 206   | 4141.3 | 6917.0 | 30  | 4  | 2004 | 15:19      | 198       | 5.27     | 32.38    | 4.42     | 33.48    | 5                  |
| 21     | 207   | 4141.5 | 6910.1 | 30  | 4  | 2004 | 16:07      | 180       | 5.59     | 32.53    | 4.41     | 33.47    | 5                  |
| 22     | 208   | 4141.6 | 6903.5 | 30  | 4  | 2004 | 16:58      | 170       | 6.10     | 32.79    | 4.43     | 33.46    | 5                  |
| 23     | 209   | 4141.2 | 6856.9 | 30  | 4  | 2004 | 17:49      | 164       | 5.69     | 32.64    | 4.26     | 33.40    | 7                  |
| 24     | 210   | 4141.6 | 6850.1 | 30  | 4  | 2004 | 18:40      | 158       | 5.69     | 32.70    | 4.12     | 33.35    | 5                  |
| 25     | 211   | 4141.3 | 6843.6 | 30  | 4  | 2004 | 19:30      | 158       | 5.82     | 32.72    | 4.01     | 33.28    | 5                  |
| 26     | 212   | 4141.3 | 6836.9 | 30  | 4  | 2004 | 20:25      | 168       | 5.84     | 32.76    | 4.02     | 33.30    | 4                  |
| 27     | 213   | 4141.3 | 6830.2 | 30  | 4  | 2004 | 21:23      | 178       | 6.05     | 32.89    | 4.21     | 33.40    | 5                  |
| 28     | 215   | 4141.5 | 6816.7 | 1   | 5  | 2004 | 11:51      | 37        | 5.63     | 32.89    | 5.55     | 32.91    | 6                  |
| 29     | 214   | 4141.4 | 6823.0 | 1   | 5  | 2004 | 12:34      | 61        | 5.43     | 32.91    | 4.96     | 33.05    | 5                  |
| 30     | 314   | 4129.4 | 6823.5 | 1   | 5  | 2004 | 14:36      | 48        | 5.67     | 32.96    | 5.03     | 33.01    | 6                  |
| 31     | 313   | 4129.4 | 6830.1 | 1   | 5  | 2004 | 15:19      | 93        | 5.64     | 32.97    | 4.77     | 33.05    | 5                  |
| 32     | 312   | 4129.4 | 6837.2 | 1   | 5  | 2004 | 16:06      | 104       | 5.97     | 33.02    | 4.17     | 33.19    | 4                  |
| 33     | 412   | 4117.4 | 6837.4 | 1   | 5  | 2004 | 18:17      | 67        | 6.10     | 32.98    | 4.86     | 33.04    | 5                  |
| 34     | 411   | 4117.4 | 6844.0 | 1   | 5  | 2004 | 19:00      | 80        | 6.70     | 32.86    | 4.02     | 33.18    | 4                  |

| Cast # | Sta # | Lat    | Long   | Day | Mo | Yr   | Time (GMT) | Btm Depth | Sfc Temp | Sfc Salt | Btm Temp | Btm Salt | Meters from Bottom |
|--------|-------|--------|--------|-----|----|------|------------|-----------|----------|----------|----------|----------|--------------------|
| 35     | 999   | 4117.4 | 6846.4 | 1   | 5  | 2004 | 21:16      | 89        | 6.65     | 32.85    | 4.04     | 33.15    | 4                  |
| 36     | 410   | 4117.3 | 6850.6 | 2   | 5  | 2004 | 15:13      | 105       | 6.62     | 32.79    | 3.98     | 33.11    | 4                  |
| 37     | 405   | 4117.4 | 6923.7 | 4   | 5  | 2004 | 18:00      | 47        | 5.05     | 32.60    | 4.38     | 32.77    | 5                  |
| 38     | 406   | 4117.5 | 6917.1 | 4   | 5  | 2004 | 18:43      | 83        | 6.09     | 32.45    | 3.74     | 32.95    | 4                  |
| 39     | 407   | 4117.5 | 6910.6 | 4   | 5  | 2004 | 19:23      | 99        | 6.73     | 32.36    | 3.98     | 33.25    | 6                  |
| 40     | 408   | 4117.6 | 6903.8 | 4   | 5  | 2004 | 20:08      | 156       | 7.03     | 32.49    | 3.91     | 33.27    | 6                  |
| 41     | 409   | 4117.5 | 6857.2 | 4   | 5  | 2004 | 20:52      | 133       | 6.89     | 32.59    | 3.99     | 33.28    | 5                  |
| 42     | 999   | 4124.2 | 6910.1 | 6   | 5  | 2004 | 19:57      | 149       | 7.70     | 32.24    | 3.79     | 33.21    | 4                  |
| 43     | 510   | 4105.4 | 6850.7 | 7   | 5  | 2004 | 11:16      | 71        | 5.54     | 32.92    | 5.56     | 32.92    | 6                  |
| 44     | 510   | 4105.4 | 6850.9 | 7   | 5  | 2004 | 11:22      | 71        | 5.55     | 32.92    | 5.56     | 32.92    | 6                  |
| 45     | 509   | 4105.5 | 6857.2 | 7   | 5  | 2004 | 12:01      | 91        | 5.36     | 32.85    | 5.34     | 32.90    | 6                  |
| 46     | 508   | 4105.6 | 6904.0 | 7   | 5  | 2004 | 12:45      | 95        | 5.04     | 32.84    | 4.29     | 33.03    | 5                  |
| 47     | 507   | 4105.6 | 6910.9 | 7   | 5  | 2004 | 13:33      | 60        | 6.91     | 32.48    | 4.49     | 32.92    | 4                  |
| 48     | 506   | 4105.7 | 6917.0 | 7   | 5  | 2004 | 14:18      | 54        | 4.85     | 32.79    | 4.75     | 32.79    | 5                  |
| 49     | 505   | 4105.7 | 6923.2 | 7   | 5  | 2004 | 15:04      | 41        | 5.09     | 32.71    | 5.03     | 32.72    | 6                  |
| 50     | 405   | 4117.6 | 6923.8 | 7   | 5  | 2004 | 16:25      | 44        | 5.21     | 32.63    | 5.15     | 32.63    | 7                  |
| 51     | 406   | 4117.7 | 6917.0 | 7   | 5  | 2004 | 17:04      | 84        | 5.74     | 32.62    | 4.06     | 32.91    | 3                  |
| 52     | 407   | 4117.4 | 6910.5 | 7   | 5  | 2004 | 17:52      | 100       | 7.41     | 32.44    | 4.13     | 33.06    | 6                  |
| 53     | 408   | 4117.5 | 6903.8 | 7   | 5  | 2004 | 18:43      | 157       | 7.52     | 32.37    | 4.06     | 33.24    | 5                  |
| 54     | 409   | 4117.5 | 6857.2 | 7   | 5  | 2004 | 19:28      | 134       | 7.59     | 32.50    | 4.14     | 33.24    | 4                  |
| 55     | 410   | 4117.3 | 6850.6 | 7   | 5  | 2004 | 20:19      | 104       | 7.41     | 32.57    | 4.53     | 33.02    | 6                  |
| 56     | 411   | 4117.5 | 6843.9 | 7   | 5  | 2004 | 21:01      | 81        | 7.10     | 32.61    | 4.99     | 32.93    | 6                  |
| 57     | 412   | 4117.5 | 6837.2 | 7   | 5  | 2004 | 21:38      | 68        | 5.89     | 32.86    | 5.88     | 32.86    | 6                  |
| 58     | 309   | 4129.4 | 6857.3 | 11  | 5  | 2004 | 12:16      | 151       | 7.43     | 32.17    | 4.04     | 33.28    | 4                  |
| 59     | 308   | 4129.5 | 6903.7 | 11  | 5  | 2004 | 12:58      | 137       | 7.93     | 32.01    | 3.80     | 33.17    | 5                  |
| 60     | 307   | 4129.4 | 6910.4 | 11  | 5  | 2004 | 13:43      | 159       | 7.53     | 31.98    | 3.76     | 33.14    | 3                  |
| 61     | 306   | 4129.4 | 6917.0 | 11  | 5  | 2004 | 14:26      | 102       | 7.67     | 31.88    | 3.55     | 32.95    | 5                  |
| 62     | 305   | 4129.5 | 6923.7 | 11  | 5  | 2004 | 15:06      | 61        | 7.83     | 31.91    | 3.77     | 32.72    | 6                  |
| 63     | 304   | 4129.5 | 6930.5 | 11  | 5  | 2004 | 15:46      | 37        | 8.13     | 31.87    | 4.34     | 32.54    | 4                  |
| 64     | 303   | 4129.6 | 6937.1 | 11  | 5  | 2004 | 16:25      | 29        | 8.12     | 31.87    | 5.30     | 32.31    | 4                  |
| 65     | 405   | 4117.6 | 6923.7 | 11  | 5  | 2004 | 19:12      | 43        | 6.47     | 32.49    | 5.25     | 32.61    | 8                  |
| 66     | 406   | 4117.6 | 6917.0 | 11  | 5  | 2004 | 19:49      | 84        | 7.51     | 32.38    | 3.94     | 32.86    | 5                  |
| 67     | 407   | 4117.5 | 6910.5 | 11  | 5  | 2004 | 20:38      | 100       | 8.00     | 32.30    | 3.68     | 32.98    | 4                  |
| 68     | 408   | 4117.7 | 6904.0 | 11  | 5  | 2004 | 21:21      | 157       | 8.44     | 32.20    | 4.01     | 33.23    | 4                  |
| 69     | 999   | 4118.6 | 6912.7 | 12  | 5  | 2004 | 15:37      | 99        | 8.62     | 32.00    | 3.85     | 33.15    | 4                  |
| 70     | 999   | 4141.4 | 6916.9 | 13  | 5  | 2004 | 17:06      | 198       | 8.03     | 31.94    | 4.42     | 33.45    | 6                  |
| 71     | 999   | 4141.4 | 6917.3 | 13  | 5  | 2004 | 17:19      | 197       | 8.12     | 31.91    | 4.43     | 33.45    | 6                  |

| Cast # | Sta # | Lat    | Long   | Day | Mo | Yr   | Time (GMT) | Btm Depth | Sfc Temp | Sfc Salt | Btm Temp | Btm Salt | Meters from Bottom |
|--------|-------|--------|--------|-----|----|------|------------|-----------|----------|----------|----------|----------|--------------------|
| 72     | 105   | 4153.4 | 6923.7 | 14  | 5  | 2004 | 17:01      | 200       | 8.23     | 32.11    | 4.86     | 33.58    | 4                  |
| 73     | 106   | 4153.4 | 6916.9 | 14  | 5  | 2004 | 17:46      | 195       | 8.34     | 32.69    | 4.55     | 33.50    | 3                  |
| 74     | 107   | 4153.4 | 6910.2 | 14  | 5  | 2004 | 18:32      | 211       | 8.72     | 32.54    | 4.44     | 33.48    | 3                  |
| 75     | 108   | 4153.4 | 6903.5 | 14  | 5  | 2004 | 19:21      | 183       | 9.45     | 31.97    | 4.32     | 33.44    | 4                  |
| 76     | 109   | 4153.4 | 6856.8 | 14  | 5  | 2004 | 20:07      | 161       | 8.78     | 32.03    | 4.38     | 33.42    | 5                  |
| 77     | 110   | 4153.2 | 6850.1 | 14  | 5  | 2004 | 20:52      | 161       | 8.69     | 32.03    | 4.35     | 33.41    | 4                  |
| 78     | 111   | 4153.6 | 6843.5 | 14  | 5  | 2004 | 21:38      | 151       | 8.41     | 32.16    | 4.48     | 33.45    | 5                  |
| 79     | 114   | 4153.4 | 6823.3 | 15  | 5  | 2004 | 11:22      | 201       | 7.17     | 32.34    | 5.18     | 33.64    | 5                  |
| 80     | 113   | 4153.5 | 6829.8 | 15  | 5  | 2004 | 12:10      | 177       | 7.89     | 32.25    | 4.48     | 33.46    | 5                  |
| 81     | 112   | 4153.6 | 6836.6 | 15  | 5  | 2004 | 13:01      | 169       | 7.91     | 32.09    | 4.58     | 33.49    | 6                  |
| 82     | 214   | 4141.4 | 6823.6 | 15  | 5  | 2004 | 15:03      | 64        | 7.32     | 32.84    | 4.12     | 33.25    | 4                  |
| 83     | 213   | 4141.4 | 6830.0 | 15  | 5  | 2004 | 15:46      | 179       | 8.51     | 32.30    | 4.67     | 33.53    | 4                  |
| 84     | 210   | 4141.3 | 6850.3 | 15  | 5  | 2004 | 20:31      | 154       | 8.74     | 31.96    | 4.18     | 33.32    | 3                  |
| 85     | 211   | 4141.6 | 6843.3 | 15  | 5  | 2004 | 21:15      | 161       | 8.91     | 31.90    | 4.23     | 33.37    | 5                  |
| 86     | 212   | 4141.3 | 6836.9 | 15  | 5  | 2004 | 21:55      | 168       | 8.80     | 32.06    | 4.23     | 33.37    | 4                  |
| 87     | 209   | 4141.4 | 6857.0 | 16  | 5  | 2004 | 11:15      | 163       | 8.59     | 31.85    | 4.33     | 33.40    | 3                  |
| 88     | 208   | 4141.4 | 6903.5 | 16  | 5  | 2004 | 11:56      | 169       | 8.86     | 31.79    | 4.26     | 33.35    | 3                  |
| 89     | 207   | 4141.5 | 6910.6 | 16  | 5  | 2004 | 12:55      | 179       | 8.93     | 31.69    | 4.41     | 33.44    | 2                  |
| 90     | 206   | 4141.4 | 6917.0 | 16  | 5  | 2004 | 13:43      | 199       | 8.83     | 31.75    | 4.43     | 33.45    | 4                  |
| 91     | 205   | 4141.4 | 6923.4 | 16  | 5  | 2004 | 14:30      | 171       | 8.59     | 31.77    | 4.09     | 33.24    | 3                  |
| 92     | 204   | 4141.6 | 6930.5 | 16  | 5  | 2004 | 18:06      | 118       | 9.05     | 31.93    | 3.74     | 33.02    | 4                  |
| 93     | 203   | 4141.5 | 6937.1 | 16  | 5  | 2004 | 18:49      | 127       | 8.90     | 31.96    | 3.68     | 32.96    | 3                  |
| 94     | 202   | 4141.2 | 6943.6 | 16  | 5  | 2004 | 19:37      | 67        | 8.90     | 31.92    | 4.25     | 32.51    | 6                  |
| 95     | 201   | 4141.3 | 6950.5 | 16  | 5  | 2004 | 20:17      | 28        | 8.28     | 31.91    | 5.65     | 32.25    | 6                  |
| 96     | 409   | 4117.5 | 6857.1 | 17  | 5  | 2004 | 12:25      | 133       | 9.36     | 32.10    | 4.04     | 33.22    | 4                  |
| 97     | 408   | 4117.5 | 6903.9 | 17  | 5  | 2004 | 13:13      | 156       | 9.34     | 32.00    | 3.98     | 33.23    | 4                  |
| 98     | 407   | 4117.4 | 6910.5 | 17  | 5  | 2004 | 14:00      | 99        | 9.28     | 31.93    | 3.67     | 32.87    | 3                  |
| 99     | 406   | 4117.4 | 6917.1 | 17  | 5  | 2004 | 14:38      | 84        | 9.36     | 32.04    | 3.95     | 32.71    | 4                  |
| 100    | 310   | 4129.3 | 6850.6 | 18  | 5  | 2004 | 11:16      | 129       | 8.91     | 31.96    | 3.83     | 33.16    | 1                  |
| 101    | 311   | 4129.4 | 6843.5 | 18  | 5  | 2004 | 12:04      | 136       | 8.89     | 31.97    | 4.04     | 33.24    | 4                  |
| 102    | 312   | 4129.5 | 6837.2 | 18  | 5  | 2004 | 12:52      | 106       | 8.31     | 32.55    | 4.23     | 33.21    | 4                  |
| 103    | 313   | 4129.1 | 6830.8 | 18  | 5  | 2004 | 13:34      | 95        | 8.73     | 32.37    | 4.85     | 33.04    | 5                  |
| 104    | 314   | 4129.2 | 6823.7 | 18  | 5  | 2004 | 14:16      | 58        | 7.14     | 32.80    | 7.07     | 32.81    | 4                  |
| 105    | 412   | 4117.3 | 6837.4 | 18  | 5  | 2004 | 17:07      | 66        | 6.73     | 32.82    | 6.07     | 32.86    | 5                  |
| 106    | 411   | 4117.4 | 6843.9 | 18  | 5  | 2004 | 17:52      | 80        | 8.89     | 32.43    | 5.01     | 32.95    | 6                  |
| 107    | 410   | 4117.4 | 6850.5 | 18  | 5  | 2004 | 18:31      | 104       | 9.62     | 32.09    | 4.10     | 33.09    | 5                  |
| 108    | 506   | 4105.4 | 6917.2 | 19  | 5  | 2004 | 16:22      | 56        | 6.22     | 32.54    | 6.22     | 32.56    | 5                  |

| <b>Cast #</b> | <b>Sta #</b> | <b>Lat</b> | <b>Long</b> | <b>Day</b> | <b>Mo</b> | <b>Yr</b> | <b>Time (GMT)</b> | <b>Btm Depth</b> | <b>Sfc Temp</b> | <b>Sfc Salt</b> | <b>Btm Temp</b> | <b>Btm Salt</b> | <b>Meters from Bottom</b> |
|---------------|--------------|------------|-------------|------------|-----------|-----------|-------------------|------------------|-----------------|-----------------|-----------------|-----------------|---------------------------|
| 109           | 507          | 4105.4     | 6910.5      | 19         | 5         | 2004      | 16:58             | 62               | 6.17            | 32.60           | 6.06            | 32.63           | 3                         |
| 110           | 508          | 4105.4     | 6904.2      | 19         | 5         | 2004      | 17:31             | 93               | 6.26            | 32.73           | 5.16            | 32.78           | 3                         |
| 111           | 509          | 4105.4     | 6857.7      | 19         | 5         | 2004      | 18:10             | 90               | 6.49            | 32.83           | 6.45            | 32.84           | 4                         |
| 112           | 510          | 4105.3     | 6850.7      | 19         | 5         | 2004      | 18:53             | 68               | 6.71            | 32.85           | 6.70            | 32.85           | 5                         |