

Fishermen's Report

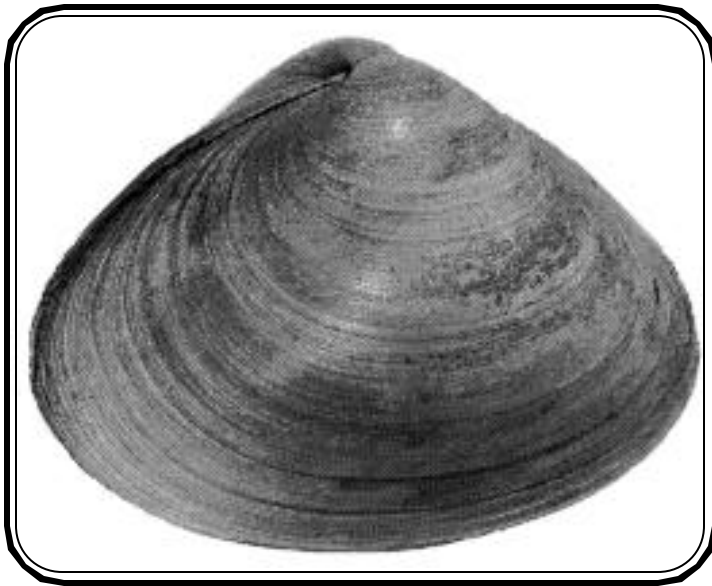
Surfclam/Ocean Quahog



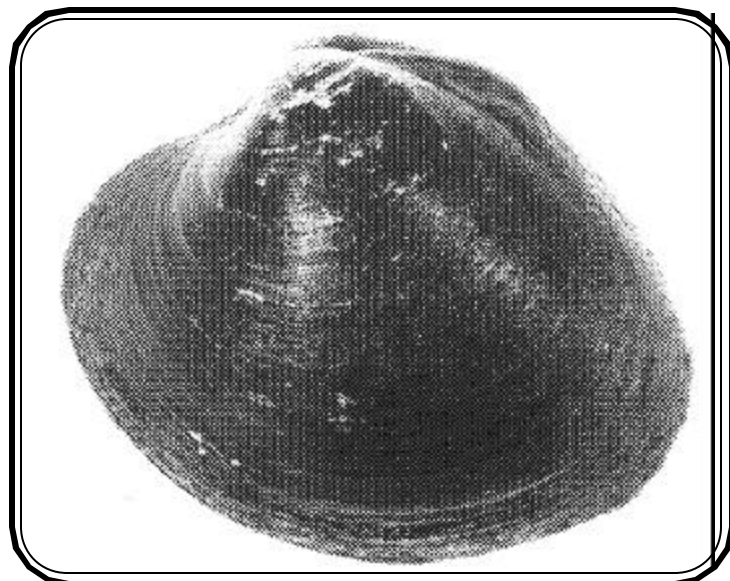
Delmarva Peninsula - Georges Bank
June 3 - July 12, 2002

FRV DELAWARE II

National Marine Fisheries Service
Northeast Fisheries Science Center
Woods Hole, MA 02543



Surfclam
(Spisula solidissima)



Ocean Quahog
(Arctica islandica)

CLAM FISHERMEN'S REPORT

Preliminary Catch Summary

National Marine Fisheries Service
Northeast Fisheries Science Center

Surfclam - Ocean Quahog Survey
FRV DELAWARE II
Delmarva Peninsula - Georges Bank
June 03 - July 12, 2002

The 2002 region-wide survey for Atlantic surfclam, *Spisula solidissima*; and Ocean Quahog, *Arctica islandica*, was conducted in continental shelf waters, from Delmarva Peninsula to Georges Bank aboard the *FRV DELAWARE II*. The survey, conducted by the NMFS, Northeast Fisheries Science Center, provides indices of abundance and recruitment for both species. In addition, tows were made at 25 non-random sites during the survey to support on-going scientific studies.

The following charts and station data describe the distribution of surfclams and ocean quahogs during the survey. Five-minute tows were made at the speed of 1.5 knots with a hydraulic jet dredge equipped with a 5-foot wide blade and submersible pump positioned on the dredge. Survey stations were randomly selected to provide unbiased abundance measurements. Therefore, these stations were not always on or near known locations of clam concentrations.

In this report, catch quantity is recorded in numbers of clams, and depth in fathoms. Percent estimates of surfclams are also given by four categories of shell height: between 0 to 4.75", 4.76 to 5.00", 5.01 to 5.50", and greater than 5.50". Distribution plots indicate relative numbers of surfclams and ocean quahogs caught on each tow.

In an effort to make this report timely, the data are summarized from unaudited catch files. Therefore, all information in this report is considered provisional and subject to change.

For further information contact Russell Brown (508-495-2380) or Linda Despres (508-495-2346), National Marine Fisheries Service, Northeast Fisheries Science Center, 166 Water Street, Woods Hole, MA 02543. To view this report on the Ecosystems Surveys Branch website, go to: <http://www.nefsc.nmfs.gov/esb/fishermens%20reports.htm>.

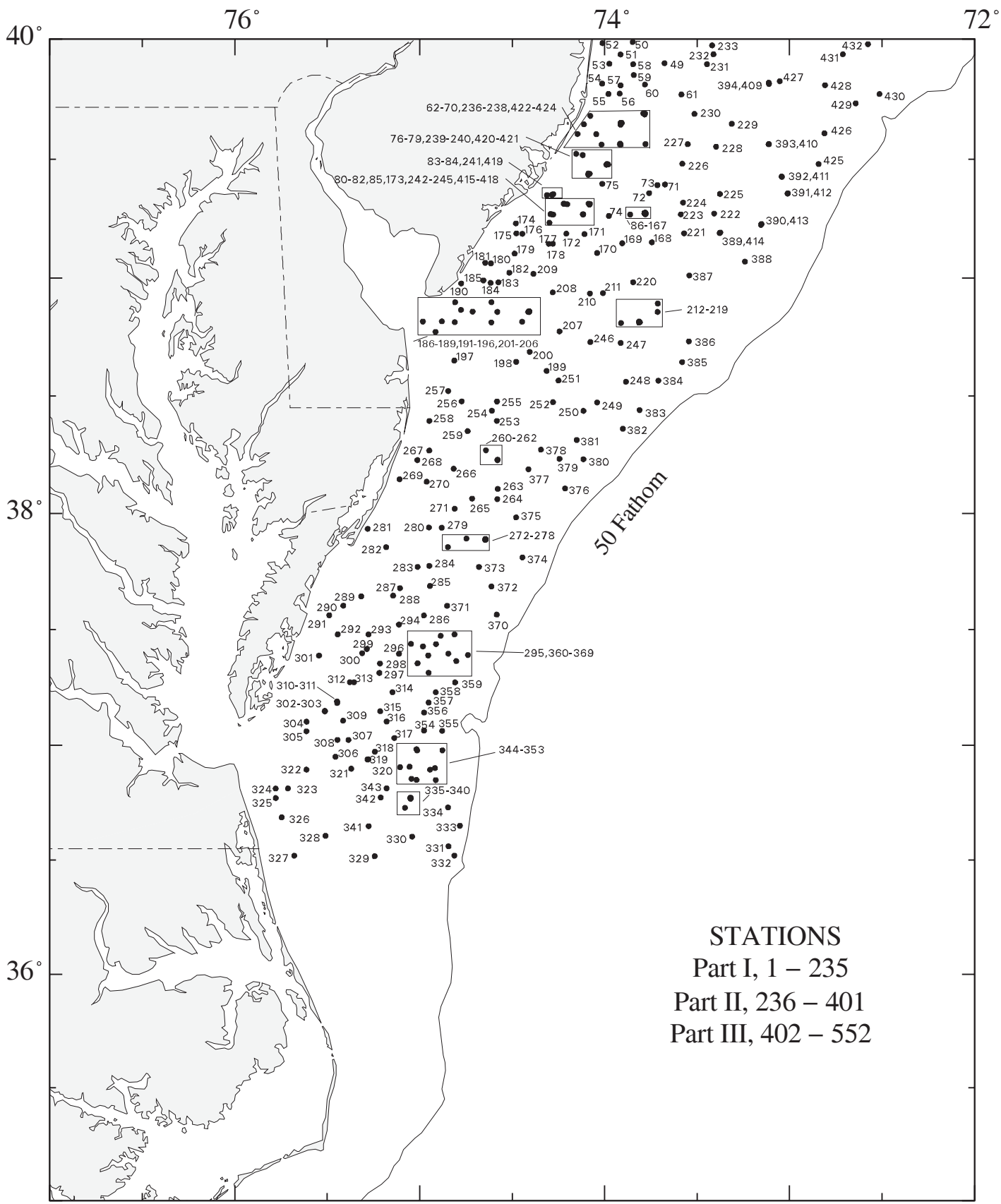


Figure 1. Dredge hauls made from R/V DELAWARE II, during National Marine Fisheries Service, Northeast Fisheries Science Center Surfclam/Ocean Quahog Survey (02 – 05), June 03 – July 12, 2002.
 Map 1 of 3

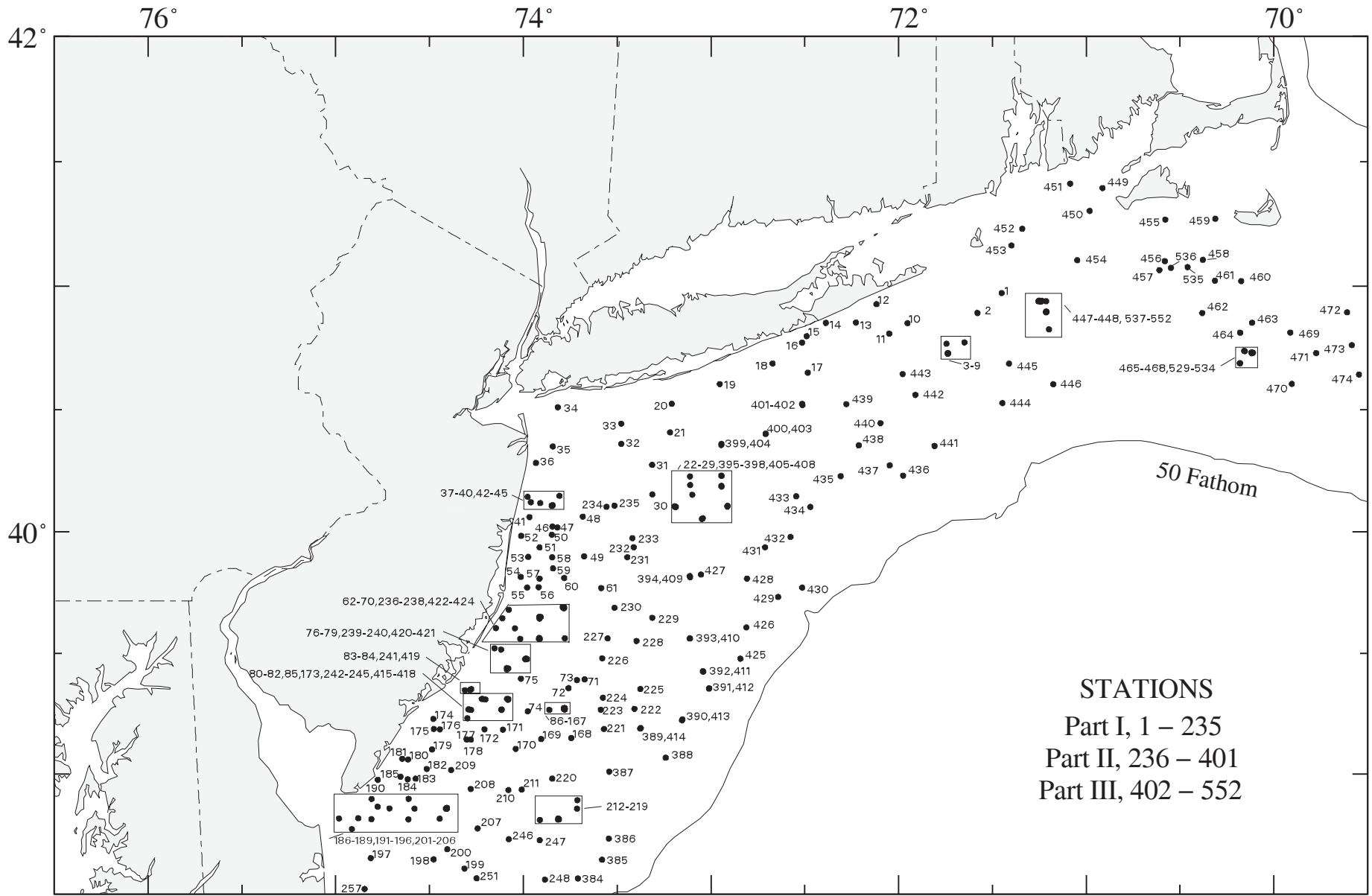


Figure 2. Dredge hauls made from R/V DELAWARE II, during National Marine Fisheries Service, Northeast Fisheries Science Center Surfclam/Ocean Quahog Survey (02 – 05), June 03 – July 12, 2002.
 Map 2 of 3

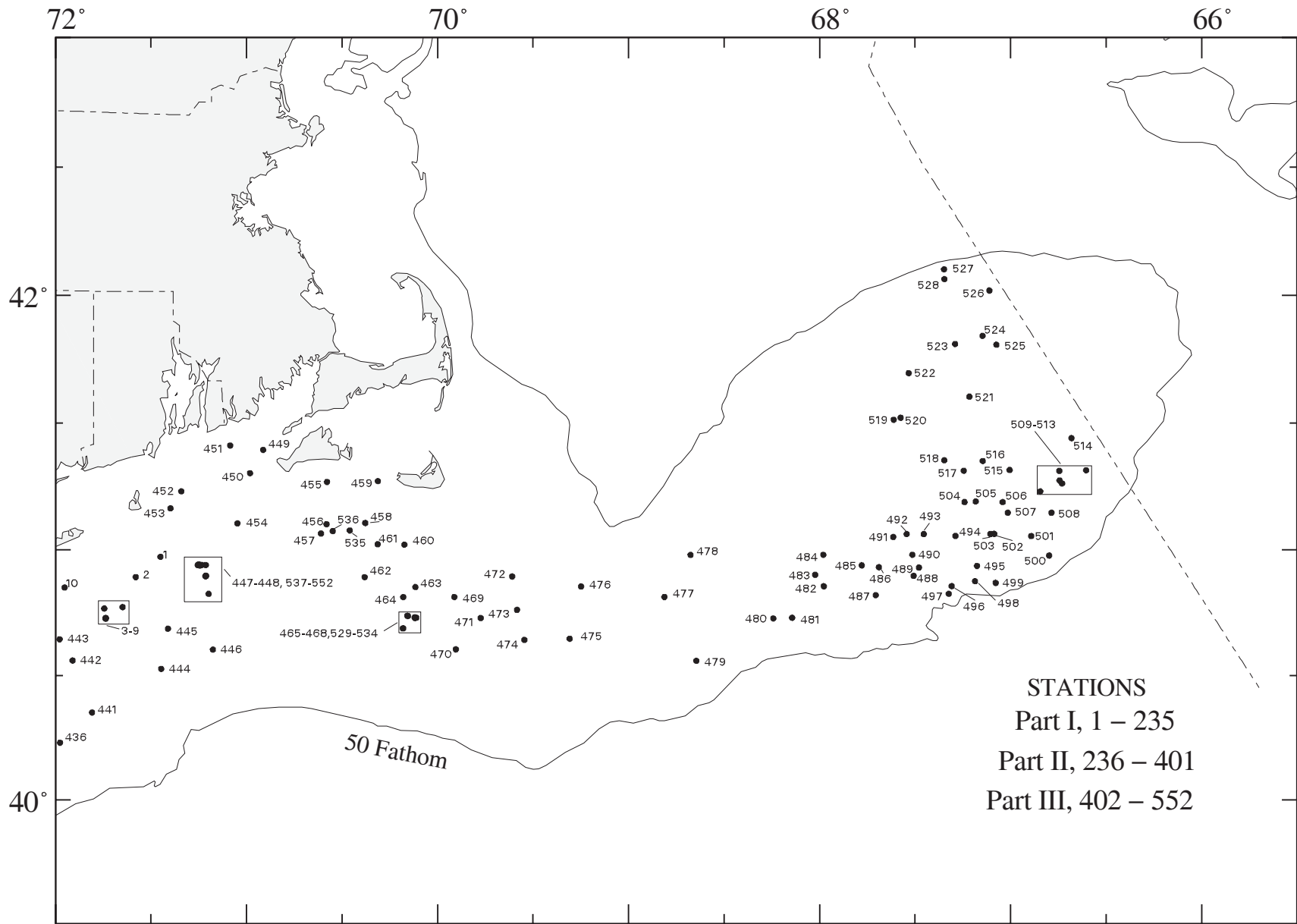


Figure 3. Dredge hauls made from R/V DELAWARE II, during National Marine Fisheries Service, Northeast Fisheries Science Center Surfclam/Ocean Quahog Survey (02 – 05), June 03 – July 12, 2002.

2002 NMFS-NEFSC Surf Clam -- Ocean Quahog Survey
R/V DELAWARE II June 03 - July 12

| Survey Stratum | Station Data | | | | | | Surf Clams Percent of Survey Catch | | | | Ocean Quahogs |
|----------------|----------------|--------------------------------|----------------------|---------|---------------|-----------------|---------------------------------------|------------|------------|--------|---------------|
| | Station Number | Position Latitude Longitude | Loran Time Delays | Heading | Depth (FM) | Catch Number | 0-4.74" | 4.76-5.00" | 5.01-5.50" | >5.50" | Catch Number |
| 01 | 0277 | 3753.4 7444.8 | X26937.2 Y42046.8 | 256 | 17.5 | 68 | 22.1 | 2.9 | 11.8 | 63.2 | 0 |
| 01 | 0375 | 3758.9 7428.7 | X26863.9 Y42127.1 | 48 | 27.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 168 |
| 01 | 0376 | 3806.3 7412.8 | X26791.0 Y42224.8 | 323 | 30.1 | 3 | 100.0 | 0.0 | 0.0 | 0.0 | 25 |
| 01 | 0377 | 3811.2 7424.7 | X26861.2 Y42264.2 | 66 | 19.7 | 158 | 79.7 | 8.2 | 3.2 | 8.9 | 11 |
| 01 | 0378 | 3816.3 7420.6 | X26846.9 Y42323.2 | 48 | 23.5 | 127 | 90.6 | 2.4 | 5.5 | 1.6 | 77 |
| 01 | 0380 | 3813.8 7406.8 | X26768.5 Y42310.3 | 338 | 35.5 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 31 |
| 02 | 0386 | 3843.9 7332.6 | X26608.4 Y42647.6 | 59 | 36.1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 66 |
| 02 | 0387 | 3900.6 7332.5 | X26626.1 Y42816.9 | 65 | 26.8 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 116 |
| 02 | 0399 | 4021.5 7256.6 | X26478.7 Y43589.1 | 34 | 21.9 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 93 |
| 02 | 0453 | 4109.8 7123.9 | X25760.6 Y43868.2 | 186 | 18.6 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 5 |
| 03 | 0004 | 4046.0 7144.6 | X25912.5 Y43716.1 | 165 | 31.2 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 30 |
| 03 | 0395 | 4003.1 7302.9 | X26500.1 Y43423.9 | 17 | 24.6 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 156 |
| 03 | 0396 | 4006.4 7254.7 | X26442.1 Y43448.7 | 36 | 26.2 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 123 |
| 03 | 0397 | 4011.3 7256.6 | X26463.3 Y43495.5 | 40 | 25.7 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 174 |
| 03 | 0398 | 4013.8 7256.6 | X26466.9 Y43518.5 | 39 | 24.6 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 142 |
| 03 | 0400 | 4024.0 7242.5 | X26369.5 Y43597.6 | 33 | 24.6 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 66 |
| 03 | 0454 | 4106.2 7102.8 | X25566.4 Y43813.5 | 112 | 18.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 05 | 0322 | 3653.6 7536.7 | X27077.3 Y41295.3 | 156 | 12.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 05 | 0328 | 3636.3 7530.5 | X27025.2 Y41117.2 | 64 | 10.4 | 5 | 100.0 | 0.0 | 0.0 | 0.0 | 0 |
| 05 | 0329 | 3631.0 7514.6 | X26953.1 Y41098.0 | 169 | 15.9 | 51 | 78.4 | 0.0 | 15.7 | 5.9 | 0 |
| 05 | 0330 | 3636.1 7502.4 | X26909.2 Y41181.3 | 132 | 13.7 | 1 | 0.0 | 0.0 | 0.0 | 100.0 | 0 |
| 05 | 0331 | 3633.6 7450.6 | X26857.0 Y41183.8 | 136 | 24.6 | 8 | 100.0 | 0.0 | 0.0 | 0.0 | 0 |
| 05 | 0340 | 3643.7 7504.7 | X26928.4 Y41256.3 | 241 | 14.8 | 107 | 72.9 | 2.8 | 19.6 | 4.7 | 0 |
| 05 | 0341 | 3638.9 7516.5 | X26971.4 Y41177.9 | 93 | 17.5 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 05 | 0342 | 3646.3 7512.6 | X26965.2 Y41266.4 | 96 | 16.4 | 14 | 0.0 | 14.3 | 42.9 | 42.9 | 0 |
| 06 | 0332 | 3631.2 7448.7 | X26846.4 Y41163.9 | 192 | 29.5 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 06 | 0333 | 3639.0 7446.9 | X26847.4 Y41248.3 | 351 | 32.8 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 2 |
| 06 | 0502 | 4103.7 6705.1 | WL13174.4 Y43564.2 | 294 | 36.1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 298 |
| 09 | 0014 | 4051.0 7223.2 | X26249.9 Y43806.0 | 259 | 7.7 | 25 | 32.0 | 0.0 | 0.0 | 68.0 | 1 |
| 09 | 0283 | 3746.2 7500.6 | X27003.1 Y41945.7 | 133 | 15.3 | 37 | 5.4 | 0.0 | 27.0 | 67.6 | 0 |
| 09 | 0284 | 3746.4 7456.8 | X26985.0 Y41953.3 | 95 | 15.9 | 11 | 0.0 | 0.0 | 36.4 | 63.6 | 0 |
| 09 | 0285 | 3741.2 7456.6 | X26975.4 Y41896.1 | 217 | 18.6 | 36 | 36.1 | 36.1 | 27.8 | 0.0 | 0 |
| 09 | 0286 | 3733.6 7458.6 | X26972.7 Y41809.3 | 178 | 15.9 | 50 | 4.0 | 4.0 | 44.0 | 48.0 | 0 |
| 09 | 0287 | 3740.7 7506.4 | X27021.4 Y41876.0 | 230 | 15.9 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 09 | 0288 | 3738.7 7508.6 | X27028.4 Y41850.4 | 235 | 14.8 | 1 | 100.0 | 0.0 | 0.0 | 0.0 | 0 |
| 09 | 0289 | 3738.6 7518.9 | X27076.5 Y41833.8 | 252 | 9.8 | 2 | 100.0 | 0.0 | 0.0 | 0.0 | 0 |
| 09 | 0293 | 3728.7 7516.6 | X27048.2 Y41725.9 | 90 | 14.2 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 09 | 0294 | 3731.3 7506.7 | X27006.9 Y41770.9 | 266 | 17.0 | 1 | 100.0 | 0.0 | 0.0 | 0.0 | 0 |
| 09 | 0295 | 3726.3 7502.8 | X26980.8 Y41722.0 | 170 | 17.5 | 17 | 29.4 | 29.4 | 23.5 | 17.6 | 0 |
| 09 | 0296 | 3723.7 7506.7 | X26994.6 Y41686.7 | 273 | 17.5 | 5 | 80.0 | 0.0 | 20.0 | 0.0 | 0 |
| * 09 | 0297 | 3718.8 7513.0 | X27015.4 Y41621.5 | 255 | 14.8 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 09 | 0300 | 3723.9 7518.6 | X27049.1 Y41668.7 | 215 | 15.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 09 | 0303 | 3708.8 7530.7 | X27077.0 Y41477.7 | 12 | 9.8 | 1 | 100.0 | 0.0 | 0.0 | 0.0 | 0 |
| 09 | 0307 | 3701.4 7523.1 | X27032.1 Y41409.6 | 294 | 15.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 09 | 0308 | 3701.4 7526.6 | X27047.2 Y41402.7 | 45 | 12.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 09 | 0309 | 3706.4 7524.8 | X27047.4 Y41461.9 | 8 | 14.8 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 09 | 0310 | 3711.4 7526.8 | X27064.4 Y41514.1 | 348 | 13.1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 09 | 0312 | 3716.4 7522.6 | X27054.3 Y41577.8 | 29 | 12.6 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 09 | 0314 | 3713.7 7508.8 | X26988.5 Y41572.7 | 313 | 16.4 | 4 | 25.0 | 25.0 | 25.0 | 25.0 | 0 |

* Signifies a non-random station

2002 NMFS-NEFSC Surf Clam -- Ocean Quahog Survey
R/V DELAWARE II June 03 - July 12

| Survey Stratum | Station Data | | | | | | Surf Clams Percent of Survey Catch | | | | Ocean Quahogs | |
|----------------|----------------|--------------------------------|----------------------|----------|---------------|-----------------|---------------------------------------|------------|------------|--------|---------------|-----|
| | Station Number | Position Latitude Longitude | Loran Time Delays | Heading | Depth (FM) | Catch Number | 0-4.74" | 4.76-5.00" | 5.01-5.50" | >5.50" | Catch Number | |
| 09 | 0315 | 3708.8 7512.8 | X26998.8 | Y41511.3 | 9 | 17.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 09 | 0316 | 3706.1 7510.7 | X26985.4 | Y41485.7 | 168 | 19.1 | 1 | 0.0 | 100.0 | 0.0 | 0.0 | 0 |
| 09 | 0319 | 3656.3 7516.6 | X26996.5 | Y41366.5 | 241 | 14.2 | 3 | 0.0 | 0.0 | 33.3 | 66.7 | 0 |
| 09 | 0320 | 3656.3 7516.9 | X26997.8 | Y41365.9 | 86 | 13.7 | 2 | 0.0 | 50.0 | 50.0 | 0.0 | 0 |
| 09 | 0321 | 3653.9 7522.2 | X27016.8 | Y41328.6 | 277 | 15.3 | 4 | 100.0 | 0.0 | 0.0 | 0.0 | 0 |
| 09 | 0335 | 3646.0 7502.9 | X26923.8 | Y41284.8 | 282 | 16.4 | 320 | 50.0 | 11.9 | 31.2 | 6.9 | 0 |
| 09 | 0343 | 3648.7 7510.7 | X26960.5 | Y41296.5 | 97 | 13.1 | 7 | 71.4 | 0.0 | 0.0 | 28.6 | 0 |
| 09 | 0344 | 3654.3 7506.3 | X26949.3 | Y41366.3 | 78 | 20.8 | 2 | 0.0 | 0.0 | 50.0 | 50.0 | 0 |
| 09 | 0346 | 3651.2 7502.6 | X26929.2 | Y41340.9 | 191 | 17.0 | 31 | 0.0 | 3.2 | 67.7 | 29.0 | 0 |
| 09 | 0348 | 3650.9 7454.7 | X26894.8 | Y41354.9 | 219 | 19.1 | 59 | 37.3 | 30.5 | 30.5 | 1.7 | 0 |
| 09 | 0349 | 3653.6 7456.6 | X26906.4 | Y41379.4 | 91 | 19.7 | 26 | 26.9 | 46.2 | 26.9 | 0.0 | 0 |
| 09 | 0352 | 3658.6 7500.8 | X26931.3 | Y41424.1 | 293 | 22.4 | 37 | 54.1 | 40.5 | 5.4 | 0.0 | 0 |
| 09 | 0354 | 3703.8 7458.5 | X26928.3 | Y41484.7 | 67 | 23.0 | 126 | 54.0 | 28.6 | 15.1 | 2.4 | 0 |
| 09 | 0358 | 3713.7 7454.7 | X26924.9 | Y41598.7 | 40 | 23.5 | 5 | 80.0 | 20.0 | 0.0 | 0.0 | 0 |
| 09 | 0360 | 3721.8 7448.1 | X26905.9 | Y41698.1 | 35 | 26.8 | 35 | 94.3 | 2.9 | 2.9 | 0.0 | 2 |
| 09 | 0364 | 3721.3 7500.7 | X26963.4 | Y41670.6 | 66 | 19.7 | 9 | 22.2 | 22.2 | 33.3 | 22.2 | 0 |
| 09 | 0367 | 3726.2 7454.7 | X26943.0 | Y41734.5 | 89 | 21.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 5 |
| 09 | 0369 | 3728.7 7448.7 | X26918.5 | Y41771.7 | 67 | 25.7 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 134 |
| 09 | 0371 | 3736.1 7451.0 | X26940.4 | Y41848.6 | 263 | 19.1 | 352 | 51.4 | 16.5 | 21.9 | 10.2 | 0 |
| 10 | 0334 | 3643.8 7450.7 | X26869.0 | Y41289.3 | 357 | 25.2 | 12 | 91.7 | 8.3 | 0.0 | 0.0 | 0 |
| 10 | 0351 | 3658.7 7452.6 | X26895.5 | Y41442.1 | 182 | 26.8 | 5 | 100.0 | 0.0 | 0.0 | 0.0 | 0 |
| 10 | 0355 | 3703.7 7452.6 | X26901.9 | Y41495.3 | 93 | 27.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 1 |
| 11 | 0370 | 3733.8 7435.0 | X26860.2 | Y41848.7 | 305 | 33.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 71 |
| 11 | 0372 | 3741.1 7436.7 | X26878.5 | Y41924.5 | 105 | 29.5 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 74 |
| 13 | 0197 | 3839.0 7448.7 | X27042.5 | Y42548.0 | 33 | 10.9 | 96 | 2.1 | 1.0 | 4.2 | 92.7 | 0 |
| 13 | 0253 | 3823.6 7434.9 | X26936.6 | Y42388.9 | 264 | 15.3 | 59 | 15.3 | 1.7 | 1.7 | 81.4 | 0 |
| 13 | 0254 | 3826.2 7436.5 | X26950.0 | Y42416.0 | 271 | 16.4 | 38 | 18.4 | 2.6 | 7.9 | 71.1 | 0 |
| 13 | 0255 | 3828.5 7434.9 | X26945.4 | Y42442.6 | 71 | 16.4 | 29 | 24.1 | 3.4 | 6.9 | 65.5 | 0 |
| 13 | 0256 | 3828.6 7446.4 | X27008.5 | Y42433.9 | 278 | 14.2 | 9 | 22.2 | 11.1 | 11.1 | 55.6 | 0 |
| 13 | 0259 | 3821.0 7444.4 | X26983.1 | Y42351.4 | 172 | 14.2 | 76 | 7.9 | 1.3 | 6.6 | 84.2 | 0 |
| 13 | 0260 | 3816.1 7438.5 | X26942.7 | Y42303.2 | 158 | 17.5 | 79 | 3.8 | 2.5 | 6.3 | 87.3 | 0 |
| 13 | 0261 | 3813.6 7434.7 | X26918.3 | Y42279.7 | 192 | 22.4 | 3 | 33.3 | 0.0 | 0.0 | 66.7 | 28 |
| 13 | 0262 | 3813.7 7434.7 | X26918.4 | Y42280.8 | 134 | 22.4 | 14 | 7.1 | 0.0 | 7.1 | 85.7 | 51 |
| 13 | 0263 | 3806.2 7434.6 | X26905.6 | Y42199.1 | 209 | 19.1 | 7 | 57.1 | 0.0 | 0.0 | 42.9 | 1 |
| 13 | 0264 | 3803.6 7434.8 | X26902.5 | Y42170.6 | 347 | 19.1 | 29 | 65.5 | 10.3 | 10.3 | 13.8 | 1 |
| 13 | 0265 | 3803.7 7442.9 | X26944.5 | Y42162.2 | 272 | 13.7 | 6 | 33.3 | 16.7 | 0.0 | 50.0 | 0 |
| 13 | 0266 | 3811.4 7448.9 | X26989.1 | Y42240.4 | 295 | 9.3 | 41 | 26.8 | 7.3 | 9.8 | 56.1 | 0 |
| 13 | 0271 | 3801.1 7448.6 | X26969.2 | Y42126.7 | 164 | 16.4 | 16 | 25.0 | 0.0 | 12.5 | 62.5 | 0 |
| 13 | 0272 | 3753.4 7438.6 | X26906.1 | Y42055.0 | 207 | 23.5 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 285 |
| 13 | 0278 | 3751.2 7450.8 | X26963.5 | Y42014.6 | 316 | 18.6 | 60 | 10.0 | 11.7 | 18.3 | 60.0 | 0 |
| 13 | 0279 | 3756.2 7452.8 | X26981.9 | Y42067.2 | 280 | 12.6 | 49 | 2.0 | 2.0 | 16.3 | 79.6 | 0 |
| 13 | 0280 | 3756.3 7457.0 | X27003.1 | Y42063.0 | 298 | 13.7 | 64 | 0.0 | 1.6 | 23.4 | 75.0 | 0 |
| 14 | 0373 | 3746.1 7440.7 | X26905.5 | Y41972.8 | 340 | 26.8 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 278 |
| 14 | 0379 | 3813.9 7414.6 | X26811.0 | Y42303.6 | 37 | 23.5 | 144 | 92.4 | 2.8 | 4.9 | 0.0 | 21 |
| 15 | 0374 | 3748.6 7426.6 | X26838.7 | Y42019.3 | 118 | 32.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 60 |
| 15 | 0381 | 3818.7 7409.0 | X26787.1 | Y42360.0 | 305 | 31.7 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 |
| 17 | 0187 | 3851.3 7434.8 | X26989.3 | Y42693.3 | 123 | 14.2 | 3 | 0.0 | 0.0 | 0.0 | 100.0 | 0 |
| 17 | 0188 | 3848.7 7436.7 | X26994.9 | Y42663.6 | 226 | 8.2 | 6 | 50.0 | 0.0 | 33.3 | 16.7 | 0 |
| 17 | 0198 | 3838.7 7428.7 | X26929.5 | Y42559.0 | 60 | 18.6 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 1 |

* Signifies a non-random station

2002 NMFS-NEFSC Surf Clam -- Ocean Quahog Survey
R/V DELAWARE II June 03 - July 12

| Survey Stratum | Station Number | Position | | Loran | | Depth (FM) | Catch Number | Surf Clams Percent of Survey Catch | | | | Ocean Quahogs Catch Number | | |
|----------------|----------------|----------|-----------|----------|----------|------------|--------------|---------------------------------------|---------|------------|------------|-------------------------------|--------|---|
| | | Latitude | Longitude | Time | Delays | | | Heading | 0-4.74" | 4.76-5.00" | 5.01-5.50" | | >5.50" | |
| 17 | 0199 | 3836.3 | 7418.8 | X26868.8 | Y42539.9 | 57 | 22.4 | 4 | 50.0 | 0.0 | 25.0 | 25.0 | 23 | |
| 17 | 0200 | 3841.2 | 7424.3 | X26908.9 | Y42589.2 | 71 | 17.5 | 18 | 44.4 | 5.6 | 0.0 | 50.0 | 1 | |
| 17 | 0201 | 3848.8 | 7426.7 | X26937.0 | Y42670.4 | 44 | 10.9 | 15 | 20.0 | 13.3 | 13.3 | 53.3 | 0 | |
| 17 | 0202 | 3851.4 | 7424.4 | X26928.6 | Y42699.9 | 64 | 16.4 | 96 | 3.1 | 0.0 | 3.1 | 93.8 | 0 | |
| 17 | 0207 | 3846.4 | 7414.6 | X26861.7 | Y42651.2 | 37 | 20.8 | 16 | 56.2 | 0.0 | 0.0 | 43.8 | 16 | |
| 17 | 0246 | 3843.7 | 7404.6 | X26798.4 | Y42628.1 | 181 | 25.2 | 2 | 50.0 | 0.0 | 0.0 | 50.0 | 66 | |
| 17 | 0247 | 3843.5 | 7354.7 | X26739.6 | Y42631.6 | 210 | 22.4 | 13 | 92.3 | 7.7 | 0.0 | 0.0 | 33 | |
| 17 | 0251 | 3833.9 | 7414.9 | X26842.6 | Y42517.0 | 332 | 25.2 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 103 | |
| 17 | 0252 | 3828.4 | 7416.7 | X26844.1 | Y42456.6 | 222 | 22.4 | 19 | 89.5 | 0.0 | 5.3 | 5.3 | 21 | |
| 18 | 0248 | 3833.6 | 7353.1 | X26717.2 | Y42529.4 | 265 | 30.1 | 1 | 100.0 | 0.0 | 0.0 | 0.0 | 93 | |
| 18 | 0249 | 3828.3 | 7402.4 | X26763.4 | Y42467.0 | 206 | 28.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 60 | |
| 18 | 0250 | 3826.2 | 7406.8 | X26785.3 | Y42441.3 | 24 | 30.1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 1 | |
| 19 | 0382 | 3821.6 | 7354.0 | X26707.6 | Y42403.9 | 60 | 36.1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | |
| 19 | 0383 | 3826.4 | 7348.6 | X26682.8 | Y42458.1 | 65 | 34.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 237 | |
| 19 | 0384 | 3833.9 | 7342.5 | X26656.1 | Y42539.8 | 62 | 33.9 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | |
| 21 | 0061 | 3946.1 | 7335.0 | X26709.3 | Y43276.6 | 284 | 19.1 | 38 | 36.8 | 5.3 | 7.9 | 50.0 | 69 | |
| 21 | 0062 | 3941.4 | 7346.9 | X26784.5 | Y43233.2 | 6 | 10.4 | 232 | 5.6 | 2.2 | 4.3 | 87.9 | 1 | |
| 21 | 0070 | 3933.7 | 7346.7 | X26768.6 | Y43154.2 | 34 | 13.7 | 24 | 37.5 | 12.5 | 4.2 | 45.8 | 0 | |
| 21 | 0071 | 3923.5 | 7340.4 | X26708.7 | Y43049.0 | 145 | 19.1 | 69 | 23.2 | 7.2 | 17.4 | 52.2 | 0 | |
| 21 | 0072 | 3921.4 | 7345.5 | X26739.2 | Y43027.7 | 275 | 19.7 | 62 | 8.1 | 1.6 | 12.9 | 77.4 | 5 | |
| * | 21 | 0073 | 3923.4 | 7342.8 | X26724.5 | Y43048.1 | 330 | 18.6 | 147 | 10.2 | 4.8 | 15.6 | 69.4 | 0 |
| 21 | 0074 | 3915.6 | 7358.6 | X26814.7 | Y42966.7 | 200 | 15.3 | 47 | 8.5 | 2.1 | 4.3 | 85.1 | 0 | |
| * | 21 | 0086 | 3916.0 | 7351.7 | X26770.8 | Y42971.6 | 224 | 19.7 | 107 | 11.2 | 2.8 | 15.0 | 71.0 | 8 |
| 21 | 0087 | 3916.2 | 7346.7 | X26738.6 | Y42974.0 | 238 | 20.2 | 242 | 6.2 | 5.0 | 21.1 | 67.8 | 29 | |
| * | 21 | 0092 | 3916.3 | 7346.8 | X26739.4 | Y42975.1 | 61 | 19.7 | 148 | 6.8 | 0.7 | 34.5 | 58.1 | 5 |
| 21 | 0168 | 3909.0 | 7344.6 | X26714.0 | Y42900.0 | 270 | 18.6 | 35 | 62.9 | 5.7 | 8.6 | 22.9 | 12 | |
| 21 | 0169 | 3908.7 | 7354.3 | X26775.3 | Y42895.1 | 270 | 25.2 | 23 | 95.7 | 0.0 | 0.0 | 4.3 | 484 | |
| 21 | 0170 | 3906.3 | 7402.4 | X26822.3 | Y42868.1 | 274 | 19.1 | 29 | 34.5 | 3.4 | 13.8 | 48.3 | 19 | |
| 21 | 0171 | 3911.0 | 7406.5 | X26856.7 | Y42917.0 | 320 | 12.0 | 8 | 25.0 | 12.5 | 0.0 | 62.5 | 0 | |
| 21 | 0208 | 3856.3 | 7416.8 | X26892.6 | Y42756.5 | 41 | 18.6 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 84 | |
| * | 21 | 0209 | 3901.0 | 7423.1 | X26939.8 | Y42804.8 | 52 | 13.1 | 56 | 10.7 | 1.8 | 1.8 | 85.7 | 0 |
| 21 | 0210 | 3856.0 | 7404.7 | X26818.8 | Y42758.4 | 65 | 18.0 | 12 | 83.3 | 0.0 | 16.7 | 0.0 | 3 | |
| 21 | 0211 | 3856.1 | 7400.5 | X26793.4 | Y42761.1 | 129 | 19.7 | 28 | 32.1 | 7.1 | 3.6 | 57.1 | 52 | |
| 21 | 0212 | 3848.5 | 7354.7 | X26746.7 | Y42683.9 | 171 | 23.5 | 1 | 100.0 | 0.0 | 0.0 | 0.0 | 114 | |
| 21 | 0213 | 3848.9 | 7348.8 | X26711.7 | Y42690.9 | 7 | 24.6 | 5 | 60.0 | 0.0 | 20.0 | 20.0 | 275 | |
| 21 | 0219 | 3853.5 | 7342.7 | X26680.6 | Y42741.0 | 27 | 21.9 | 10 | 60.0 | 20.0 | 0.0 | 20.0 | 12 | |
| 21 | 0220 | 3858.8 | 7350.7 | X26737.3 | Y42792.9 | 53 | 20.8 | 9 | 33.3 | 0.0 | 11.1 | 55.6 | 70 | |
| 21 | 0221 | 3911.2 | 7334.2 | X26650.1 | Y42924.1 | 97 | 24.1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | |
| 21 | 0222 | 3916.2 | 7324.4 | X26592.4 | Y42975.1 | 104 | 24.1 | 24 | 91.7 | 4.2 | 0.0 | 4.2 | 44 | |
| 21 | 0223 | 3916.0 | 7335.2 | X26663.2 | Y42972.7 | 279 | 27.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 7 | |
| 21 | 0224 | 3919.0 | 7334.5 | X26662.8 | Y43003.1 | 48 | 24.1 | 9 | 55.6 | 0.0 | 22.2 | 22.2 | 3 | |
| 21 | 0225 | 3921.1 | 7322.6 | X26586.4 | Y43023.9 | 137 | 25.7 | 17 | 88.2 | 11.8 | 0.0 | 0.0 | 46 | |
| 21 | 0226 | 3928.8 | 7334.7 | X26678.6 | Y43102.3 | 304 | 17.5 | 88 | 8.0 | 1.1 | 9.1 | 81.8 | 1 | |
| 21 | 0227 | 3933.7 | 7333.0 | X26674.5 | Y43151.4 | 256 | 19.7 | 21 | 9.5 | 4.8 | 4.8 | 81.0 | 1 | |
| 21 | 0228 | 3933.1 | 7323.8 | X26610.1 | Y43143.4 | 255 | 18.0 | 98 | 24.5 | 4.1 | 11.2 | 60.2 | 1 | |
| 21 | 0230 | 3941.3 | 7330.8 | X26671.4 | Y43227.0 | 284 | 23.0 | 9 | 66.7 | 11.1 | 22.2 | 0.0 | 0 | |
| 22 | 0218 | 3851.3 | 7342.8 | X26678.5 | Y42718.4 | 40 | 24.6 | 2 | 100.0 | 0.0 | 0.0 | 0.0 | 39 | |
| 22 | 0389 | 3911.4 | 7322.4 | X26573.8 | Y42927.3 | 63 | 26.8 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 59 | |
| 23 | 0385 | 3838.6 | 7334.8 | X26616.0 | Y42592.6 | 65 | 32.8 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | |

* Signifies a non-random station

2002 NMFS-NEFSC Surf Clam -- Ocean Quahog Survey
R/V DELAWARE II June 03 - July 12

| Survey Stratum | Station Data | | | | | | Surf Clams Percent of Survey Catch | | | | Ocean Quahogs |
|----------------|----------------|--------------------------------|----------------------|-------------------|---------------|-----------------|---------------------------------------|------------|------------|--------|---------------|
| | Station Number | Position Latitude Longitude | Loran Time Delays | Heading | Depth (FM) | Catch Number | 0-4.74" | 4.76-5.00" | 5.01-5.50" | >5.50" | Catch Number |
| 23 | 0388 | 3904.1 7314.4 | X26515.1 Y42856.1 | 83 | 36.1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 616 |
| 23 | 0390 | 3913.6 7309.1 | X26489.2 Y42950.0 | 240 | 34.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 190 |
| 23 | 0391 | 3921.3 7300.6 | X26439.1 Y43024.5 | 50 | 36.6 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 371 |
| 25 | 0038 | 4008.8 7348.4 | X26854.4 Y43512.3 | 47 | 17.0 | 14 | 7.1 | 21.4 | 7.1 | 64.3 | 10 |
| 25 | 0047 | 4001.1 7349.1 | X26841.7 Y43435.0 | 14 | 13.7 | 48 | 12.5 | 2.1 | 8.3 | 77.1 | 0 |
| 25 | 0048 | 4003.7 7341.0 | X26787.7 Y43456.0 | 346 | 17.5 | 295 | 13.2 | 8.8 | 31.5 | 46.4 | 7 |
| 25 | 0049 | 3954.0 7340.5 | X26763.8 Y43358.4 | 16 | 16.4 | 70 | 10.0 | 0.0 | 10.0 | 80.0 | 3 |
| 25 | 0229 | 3938.8 7318.7 | X26582.3 Y43198.2 | 265 | 20.8 | 120 | 51.7 | 5.8 | 14.2 | 28.3 | 8 |
| 25 | 0231 | 3953.7 7326.7 | X26662.7 Y43348.2 | 268 | 23.0 | 87 | 100.0 | 0.0 | 0.0 | 0.0 | 44 |
| 25 | 0232 | 3956.2 7324.6 | X26651.6 Y43371.6 | 258 | 24.6 | 9 | 88.9 | 11.1 | 0.0 | 0.0 | 5 |
| 25 | 0235 | 4006.4 7330.8 | X26716.9 Y43475.6 | 354 | 23.5 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 186 |
| 25 | 0393 | 3933.7 7306.7 | X26492.1 Y43145.1 | 50 | 23.5 | 37 | 89.2 | 0.0 | 8.1 | 2.7 | 67 |
| 26 | 0233 | 3958.4 7325.1 | X26659.2 Y43393.4 | 230 | 28.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 143 |
| 26 | 0234 | 4006.1 7333.4 | X26735.9 Y43474.5 | 288 | 37.2 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 2 |
| 26 | 0394 | 3948.8 7306.6 | X26508.7 Y43290.3 | 49 | 29.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 |
| 27 | 0392 | 3925.5 7302.5 | X26455.4 Y43065.1 | 67 | 36.1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 336 |
| 27 | 0425 | 3928.7 7250.5 | X26375.9 Y43093.6 | 112 | 32.8 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 33 |
| 27 | 0426 | 3936.4 7248.6 | X26367.9 Y43165.6 | 23 | 35.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 77 |
| 27 | 0427 | 3949.5 7303.1 | X26484.1 Y43295.3 | 134 | 38.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 232 |
| 29 | 0017 | 4038.9 7229.0 | X26279.7 Y43712.1 | 319 | 20.8 | 3 | 100.0 | 0.0 | 0.0 | 0.0 | 175 |
| 29 | 0018 | 4041.2 7240.3 | X26378.2 Y43745.7 | 336 | 17.5 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 125 |
| 29 | 0021 | 4024.4 7313.0 | X26614.7 Y43632.3 | 37 | 17.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 |
| 29 | 0022 | 4013.6 7306.7 | X26545.4 Y43525.4 | 183 | 23.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 107 |
| 29 | 0023 | 4011.5 7306.6 | X26541.2 Y43505.6 | 187 | 22.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 136 |
| * | 29 | 0024 | 4009.1 7305.9 | X26532.0 Y43482.5 | 193 | 24.6 | 0 | 0.0 | 0.0 | 0.0 | 140 |
| 29 | 0030 | 4009.2 7318.7 | X26630.4 Y43493.6 | 6 | 21.9 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 34 |
| 29 | 0031 | 4016.4 7318.8 | X26644.7 Y43562.5 | 353 | 19.1 | 1 | 100.0 | 0.0 | 0.0 | 0.0 | 51 |
| 29 | 0032 | 4021.6 7328.7 | X26733.0 Y43621.5 | 21 | 15.9 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 |
| 29 | 0401 | 4031.3 7230.8 | X26284.1 Y43649.1 | 22 | 23.5 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 403 |
| 30 | 0428 | 3948.5 7248.4 | X26375.9 Y43278.6 | 143 | 33.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 191 |
| 31 | 0429 | 3943.9 7238.5 | X26301.1 Y43231.5 | 25 | 39.9 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 31 | 0430 | 3946.2 7230.8 | X26246.9 Y43249.1 | 326 | 36.1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 |
| 31 | 0431 | 3956.2 7242.7 | X26340.5 Y43346.6 | 343 | 30.6 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 92 |
| 31 | 0432 | 3958.7 7234.5 | X26281.1 Y43364.2 | 95 | 33.9 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 522 |
| 31 | 0433 | 4008.7 7232.7 | X26275.1 Y43452.6 | 42 | 31.7 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 563 |
| 31 | 0434 | 4006.1 7228.2 | X26238.5 Y43426.0 | 63 | 32.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 433 |
| 31 | 0435 | 4013.6 7218.5 | X26168.4 Y43484.0 | 97 | 32.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 434 |
| 31 | 0438 | 4021.2 7212.7 | X26127.3 Y43544.1 | 343 | 33.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 370 |
| 33 | 0010 | 4051.0 7157.1 | X26025.0 Y43771.2 | 252 | 20.8 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 66 |
| 33 | 0011 | 4048.4 7202.9 | X26071.5 Y43758.0 | 241 | 21.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 47 |
| 33 | 0013 | 4051.1 7213.6 | X26167.5 Y43793.8 | 275 | 16.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 95 |
| 33 | 0016 | 4046.2 7230.8 | X26306.6 Y43776.1 | 228 | 15.3 | 1 | 100.0 | 0.0 | 0.0 | 0.0 | 4 |
| 34 | 0439 | 4031.3 7216.7 | X26168.1 Y43633.7 | 22 | 29.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 737 |
| 34 | 0443 | 4038.6 7158.7 | X26025.5 Y43673.8 | 347 | 27.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 167 |
| 35 | 0436 | 4013.8 7158.5 | X26012.8 Y43469.0 | 0 | 35.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 178 |
| 35 | 0437 | 4016.3 7202.8 | X26046.8 Y43493.6 | 351 | 34.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 396 |
| 35 | 0440 | 4028.7 7204.6 | X26066.9 Y43599.1 | 121 | 31.7 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 1418 |
| 35 | 0441 | 4021.0 7148.5 | X25935.2 Y43519.9 | 136 | 40.5 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 35 | 0442 | 4033.5 7154.6 | X25987.9 Y43627.9 | 8 | 32.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 189 |

* Signifies a non-random station

2002 NMFS-NEFSC Surf Clam -- Ocean Quahog Survey
R/V DELAWARE II June 03 - July 12

| Survey Stratum | Station Number | Position | | Loran | | Depth (FM) | Catch Number | Surf Clams Percent of Survey Catch | | | | Ocean Quahogs Catch Number | | |
|----------------|----------------|----------|-----------|--------|----------|------------|--------------|---------------------------------------|---------|------------|------------|-------------------------------|--------|------|
| | | Latitude | Longitude | Time | Delays | | | Heading | 0-4.74" | 4.76-5.00" | 5.01-5.50" | | >5.50" | |
| | 37 | 0450 | 4118.1 | 7058.9 | X25552.8 | Y43891.2 | 357 | 18.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 334 |
| | 37 | 0452 | 4113.8 | 7120.4 | X25737.0 | Y43892.0 | 60 | 18.6 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 152 |
| | 38 | 0001 | 4058.3 | 7127.0 | X25771.6 | Y43787.9 | 211 | 27.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 336 |
| | 38 | 0447 | 4053.7 | 7112.7 | X25643.9 | Y43735.7 | 20 | 28.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 552 |
| | 38 | 0448 | 4056.3 | 7112.8 | X25646.0 | Y43755.0 | 2 | 27.9 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 400 |
| * | 38 | 0543 | 4056.3 | 7114.6 | X25661.6 | Y43757.2 | 187 | 28.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 838 |
| * | 38 | 0544 | 4056.4 | 7114.7 | X25662.5 | Y43758.1 | 188 | 29.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 473 |
| * | 38 | 0545 | 4056.4 | 7114.9 | X25664.3 | Y43758.3 | 23 | 28.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 520 |
| * | 38 | 0546 | 4056.3 | 7115.0 | X25665.1 | Y43757.7 | 190 | 29.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 685 |
| * | 38 | 0547 | 4056.3 | 7115.2 | X25666.8 | Y43758.0 | 13 | 29.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 79 |
| * | 38 | 0548 | 4056.4 | 7115.1 | X25666.0 | Y43758.6 | 196 | 28.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 316 |
| * | 38 | 0549 | 4056.2 | 7114.6 | X25661.5 | Y43756.5 | 6 | 27.9 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 153 |
| * | 38 | 0550 | 4056.3 | 7114.5 | X25660.7 | Y43757.1 | 187 | 28.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 603 |
| * | 38 | 0551 | 4056.3 | 7114.2 | X25658.1 | Y43756.7 | 10 | 28.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 275 |
| * | 38 | 0552 | 4056.3 | 7114.1 | X25657.3 | Y43756.6 | 184 | 29.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 249 |
| | 39 | 0002 | 4053.5 | 7134.7 | X25833.9 | Y43761.7 | 192 | 29.5 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 765 |
| | 39 | 0003 | 4046.3 | 7138.9 | X25864.2 | Y43711.6 | 257 | 36.1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 9 |
| | 39 | 0444 | 4031.5 | 7126.8 | X25761.5 | Y43583.1 | 20 | 37.2 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 1 |
| | 39 | 0445 | 4041.1 | 7124.6 | X25742.1 | Y43655.0 | 137 | 32.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 236 |
| | 39 | 0446 | 4036.1 | 7110.5 | X25629.1 | Y43601.9 | 123 | 36.1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 9 |
| * | 39 | 0542 | 4049.5 | 7111.9 | X25636.1 | Y43703.8 | 205 | 33.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| | 41 | 0456 | 4106.0 | 7034.8 | X25317.9 | Y43776.4 | 211 | 21.9 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 211 |
| | 41 | 0457 | 4103.8 | 7036.6 | X25333.4 | Y43763.5 | 71 | 23.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 264 |
| | 41 | 0458 | 4106.3 | 7022.7 | X25212.6 | Y43763.7 | 27 | 20.2 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 301 |
| * | 41 | 0461 | 4101.3 | 7018.8 | X25187.0 | Y43725.5 | 277 | 20.8 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 139 |
| | 41 | 0462 | 4053.4 | 7022.9 | X25235.0 | Y43676.3 | 208 | 24.6 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 2 |
| | 41 | 0464 | 4048.7 | 7010.7 | X25168.1 | Y43631.4 | 247 | 20.2 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 183 |
| * | 41 | 0465 | 4044.2 | 7009.2 | X25175.2 | Y43599.2 | 225 | 21.9 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 227 |
| * | 41 | 0466 | 4041.2 | 7010.8 | X25194.3 | Y43580.1 | 182 | 23.5 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 69 |
| * | 41 | 0467 | 4041.2 | 7010.8 | X25194.3 | Y43580.1 | 209 | 24.1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 122 |
| | 41 | 0468 | 4043.8 | 7006.6 | X25162.8 | Y43594.0 | 49 | 21.9 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 272 |
| * | 41 | 0534 | 4044.2 | 7009.4 | X25176.3 | Y43599.4 | 155 | 22.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 234 |
| * | 41 | 0535 | 4104.5 | 7027.5 | X25254.7 | Y43757.3 | 343 | 22.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 212 |
| * | 41 | 0536 | 4104.4 | 7032.9 | X25301.2 | Y43763.1 | 259 | 22.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 148 |
| | 45 | 0469 | 4048.7 | 6954.7 | W14039.8 | Y43615.6 | 153 | 15.3 | 11 | 0.0 | 0.0 | 0.0 | 100.0 | 2 |
| | 45 | 0471 | 4043.7 | 6946.4 | W14013.8 | Y43574.6 | 153 | 24.6 | 25 | 16.0 | 4.0 | 24.0 | 56.0 | 52 |
| | 45 | 0472 | 4053.6 | 6936.5 | W13924.4 | Y43630.1 | 179 | 20.8 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| * | 45 | 0473 | 4045.6 | 6935.0 | W13946.8 | Y43576.8 | 42 | 25.2 | 1 | 100.0 | 0.0 | 0.0 | 0.0 | 6 |
| | 46 | 0474 | 4038.5 | 6932.7 | W13961.1 | Y43528.4 | 166 | 27.3 | 34 | 61.8 | 17.6 | 17.6 | 2.9 | 54 |
| | 46 | 0475 | 4038.7 | 6918.5 | W13887.8 | Y43518.2 | 143 | 28.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 5 |
| | 47 | 0470 | 4036.2 | 6954.2 | W14081.8 | Y43531.1 | 107 | 31.7 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 115 |
| | 47 | 0476 | 4051.2 | 6914.9 | W13821.7 | Y43594.8 | 316 | 29.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| | 55 | 0477 | 4048.7 | 6848.7 | W13700.9 | Y43556.9 | 310 | 37.7 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 302 |
| | 55 | 0478 | 4058.7 | 6840.5 | W13620.0 | Y43610.5 | 4 | 34.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| | 55 | 0479 | 4033.4 | 6838.7 | W13712.8 | Y43455.6 | 161 | 37.2 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 340 |
| | 57 | 0480 | 4043.6 | 6814.5 | W13559.6 | Y43500.4 | 149 | 36.1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 796 |
| | 57 | 0481 | 4043.7 | 6808.6 | W13532.3 | Y43496.9 | 106 | 38.8 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 1019 |
| | 59 | 0482 | 4051.3 | 6758.6 | W13455.8 | Y43533.9 | 44 | 33.4 | 1 | 0.0 | 0.0 | 0.0 | 100.0 | 1628 |
| | 59 | 0485 | 4056.2 | 6746.7 | W13382.2 | Y43553.0 | 90 | 30.6 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 713 |

* Signifies a non-random station

2002 NMFS-NEFSC Surf Clam -- Ocean Quahog Survey
R/V DELAWARE II June 03 - July 12

| Survey Stratum | Station Number | Position | | Loran | | Depth (FM) | Catch Number | Surf Clams Percent of Survey Catch | | | | Ocean Quahogs Catch Number | |
|----------------|----------------|----------|-----------|----------|----------|------------|--------------|---------------------------------------|---------|------------|------------|-------------------------------|--------|
| | | Latitude | Longitude | Time | Delays | | | Heading | 0-4.74" | 4.76-5.00" | 5.01-5.50" | | >5.50" |
| 59 | 0488 | 4053.7 | 6730.4 | W13322.7 | Y43527.5 | 106 | 41.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 177 |
| 59 | 0490 | 4058.8 | 6730.8 | W13302.3 | Y43555.9 | 326 | 36.6 | 27 | 88.9 | 3.7 | 7.4 | 0.0 | 455 |
| 59 | 0492 | 4103.7 | 6732.6 | W13288.5 | Y43584.1 | 93 | 33.4 | 48 | 18.8 | 4.2 | 35.4 | 41.7 | 1010 |
| 60 | 0495 | 4056.1 | 6710.5 | W13229.7 | Y43527.3 | 135 | 44.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 415 |
| 60 | 0496 | 4051.3 | 6718.5 | W13283.2 | Y43506.4 | 248 | 47.6 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 416 |
| 60 | 0497 | 4049.4 | 6719.4 | W13295.0 | Y43496.6 | 106 | 49.2 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 171 |
| 60 | 0498 | 4052.5 | 6711.1 | W13247.7 | Y43508.2 | 128 | 47.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 107 |
| 60 | 0499 | 4052.1 | 6704.7 | W13223.5 | Y43502.0 | 39 | 48.1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 230 |
| 61 | 0504 | 4111.3 | 6714.5 | W13178.5 | Y43611.4 | 52 | 31.2 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 668 |
| 61 | 0506 | 4111.3 | 6702.5 | W13129.8 | Y43602.5 | 154 | 36.1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 1045 |
| 61 | 0509 | 4113.8 | 6650.7 | W13071.8 | Y43606.9 | 39 | 38.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 |
| 61 | 0511 | 4116.4 | 6644.6 | W13036.3 | Y43615.8 | 36 | 41.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 219 |
| 61 | 0515 | 4118.9 | 6700.3 | W13086.2 | Y43640.4 | 254 | 35.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 979 |
| 62 | 0500 | 4058.6 | 6647.9 | W13129.0 | Y43525.9 | 69 | 40.5 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 76 |
| 62 | 0512 | 4118.7 | 6644.7 | W13026.0 | Y43627.6 | 162 | 39.9 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 |
| 62 | 0513 | 4118.8 | 6636.2 | W12993.2 | Y43621.9 | 62 | 46.5 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 77 |
| 62 | 0514 | 4126.4 | 6640.8 | W12975.2 | Y43663.6 | 353 | 44.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 958 |
| 65 | 0527 | 4206.1 | 6720.9 | W12936.4 | Y43897.5 | 76 | 36.1 | 25 | 100.0 | 0.0 | 0.0 | 0.0 | 0 |
| 70 | 0483 | 4054.0 | 6801.3 | W13456.5 | Y43551.3 | 117 | 25.7 | 5 | 100.0 | 0.0 | 0.0 | 0.0 | 2 |
| 70 | 0484 | 4058.8 | 6758.8 | W13424.7 | Y43576.8 | 2 | 29.5 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 71 | 0526 | 4201.1 | 6706.6 | W12904.1 | Y43858.4 | 275 | 27.9 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 71 | 0528 | 4203.8 | 6720.8 | W12948.1 | Y43886.1 | 48 | 26.8 | 4 | 75.0 | 25.0 | 0.0 | 0.0 | 0 |
| 73 | 0518 | 4121.2 | 6720.8 | W13159.1 | Y43668.8 | 322 | 24.6 | 191 | 4.2 | 1.6 | 8.9 | 85.3 | 0 |
| 73 | 0519 | 4130.8 | 6736.7 | W13181.4 | Y43733.4 | 260 | 19.1 | 11 | 90.9 | 0.0 | 9.1 | 0.0 | 0 |
| 73 | 0520 | 4131.2 | 6734.5 | W13170.0 | Y43733.5 | 78 | 17.5 | 25 | 28.0 | 4.0 | 12.0 | 56.0 | 0 |
| 73 | 0521 | 4136.2 | 6712.9 | W13054.9 | Y43739.9 | 345 | 24.1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 73 | 0522 | 4141.7 | 6732.0 | W13108.2 | Y43786.0 | 36 | 24.1 | 5 | 0.0 | 0.0 | 40.0 | 60.0 | 0 |
| 73 | 0523 | 4148.6 | 6717.4 | W13012.1 | Y43807.1 | 81 | 26.8 | 228 | 18.9 | 14.9 | 33.3 | 32.9 | 0 |
| 74 | 0516 | 4121.0 | 6708.7 | W13110.2 | Y43657.9 | 249 | 30.6 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 175 |
| 74 | 0517 | 4118.7 | 6714.7 | W13145.4 | Y43650.7 | 335 | 25.7 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 5 |
| 74 | 0524 | 4150.5 | 6708.8 | W12967.3 | Y43808.3 | 117 | 30.6 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 74 | 0525 | 4148.4 | 6704.4 | W12960.1 | Y43793.7 | 120 | 32.3 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 81 | 0323 | 3648.7 | 7542.7 | X27094.1 | Y41227.9 | 254 | 8.7 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 81 | 0324 | 3648.7 | 7546.7 | X27110.4 | Y41219.6 | 127 | 9.8 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 81 | 0325 | 3646.2 | 7546.7 | X27106.3 | Y41191.4 | 148 | 8.7 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 81 | 0326 | 3641.2 | 7544.7 | X27090.1 | Y41139.5 | 166 | 6.6 | 5 | 100.0 | 0.0 | 0.0 | 0.0 | 0 |
| 81 | 0327 | 3631.1 | 7540.7 | X27058.5 | Y41036.3 | 151 | 12.6 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 82 | 0304 | 3706.1 | 7536.7 | X27098.1 | Y41436.1 | 214 | 9.8 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 82 | 0305 | 3703.6 | 7536.7 | X27093.8 | Y41407.8 | 199 | 10.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 83 | 0292 | 3728.7 | 7526.6 | X27093.7 | Y41709.7 | 87 | 8.7 | 1 | 100.0 | 0.0 | 0.0 | 0.0 | 0 |
| 83 | 0301 | 3723.3 | 7532.6 | X27110.7 | Y41638.5 | 174 | 7.7 | 3 | 100.0 | 0.0 | 0.0 | 0.0 | 0 |
| 84 | 0281 | 3755.9 | 7516.8 | X27099.6 | Y42032.9 | 263 | 5.5 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 2 |
| 84 | 0282 | 3751.2 | 7510.8 | X27061.5 | Y41987.6 | 243 | 7.1 | 33 | 100.0 | 0.0 | 0.0 | 0.0 | 0 |
| 84 | 0290 | 3736.2 | 7524.7 | X27098.9 | Y41797.8 | 268 | 8.7 | 7 | 85.7 | 2.0 | 14.3 | 0.0 | 0 |
| 84 | 0291 | 3733.7 | 7529.3 | X27115.3 | Y41762.3 | 213 | 7.1 | 6 | 100.0 | 0.0 | 0.0 | 0.0 | 0 |
| 85 | 0258 | 3823.6 | 7456.8 | X27054.2 | Y42368.6 | 260 | 10.4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 85 | 0267 | 3816.0 | 7456.8 | X27038.9 | Y42283.3 | 250 | 7.7 | 7 | 100.0 | 0.0 | 0.0 | 0.0 | 0 |
| 85 | 0268 | 3813.6 | 7500.7 | X27054.3 | Y42252.2 | 238 | 9.3 | 39 | 100.0 | 0.0 | 0.0 | 0.0 | 0 |
| 85 | 0269 | 3808.7 | 7506.5 | X27074.1 | Y42190.6 | 130 | 8.2 | 1 | 100.0 | 0.0 | 0.0 | 0.0 | 0 |

* Signifies a non-random station

2002 NMFS-NEFSC Surf Clam -- Ocean Quahog Survey
R/V DELAWARE II June 03 - July 12

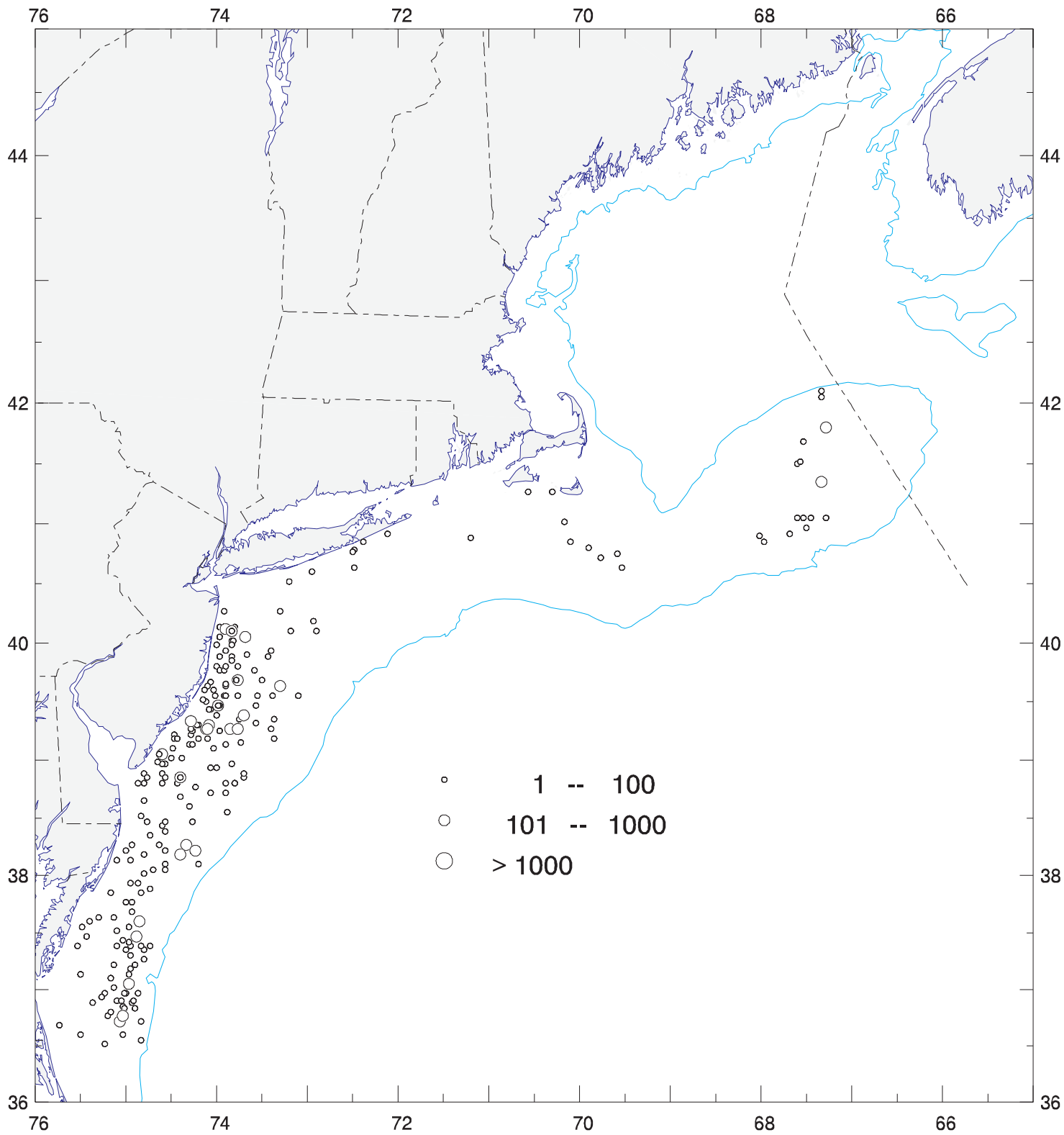
| Survey Stratum | Station Number | Position | | Loran | | Depth (FM) | Catch Number | Surf Clams Percent of Survey Catch | | | | Ocean Quahogs Catch Number | |
|----------------|----------------|----------|-----------|----------|----------|------------|--------------|---------------------------------------|---------|------------|------------|-------------------------------|--------|
| | | Latitude | Longitude | Time | Delays | | | Heading | 0-4.74" | 4.76-5.00" | 5.01-5.50" | | >5.50" |
| 85 | 0270 | 3808.0 | 7457.7 | X27028.1 | Y42192.7 | 158 | 12.0 | 9 | 100.0 | 0.0 | 0.0 | 0.0 | 0 |
| 86 | 0195 | 3848.9 | 7458.9 | X27121.7 | Y42652.4 | 337 | 6.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 86 | 0196 | 3846.3 | 7454.8 | X27092.6 | Y42625.7 | 3 | 7.7 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 86 | 0257 | 3831.2 | 7450.7 | X27037.1 | Y42459.2 | 322 | 10.9 | 4 | 25.0 | 25.0 | 50.0 | 0.0 | 0 |
| 87 | 0177 | 3908.6 | 7418.1 | X26924.6 | Y42888.7 | 102 | 12.0 | 8 | 12.5 | 0.0 | 0.0 | 87.5 | 0 |
| 87 | 0178 | 3908.6 | 7416.7 | X26915.9 | Y42889.0 | 259 | 11.5 | 75 | 4.0 | 10.7 | 13.3 | 72.0 | 0 |
| 87 | 0179 | 3906.1 | 7429.2 | X26987.6 | Y42858.3 | 236 | 10.4 | 42 | 14.3 | 0.0 | 2.4 | 83.3 | 0 |
| 87 | 0180 | 3903.6 | 7436.8 | X27027.9 | Y42828.1 | 261 | 9.8 | 194 | 1.0 | 7.7 | 60.8 | 30.4 | 0 |
| 87 | 0181 | 3903.8 | 7438.7 | X27039.7 | Y42829.6 | 127 | 7.1 | 2 | 50.0 | 0.0 | 0.0 | 50.0 | 0 |
| 87 | 0182 | 3901.3 | 7430.9 | X26987.5 | Y42805.1 | 119 | 9.3 | 23 | 47.8 | 13.0 | 13.0 | 26.1 | 0 |
| 87 | 0183 | 3858.8 | 7434.4 | X27002.9 | Y42776.1 | 240 | 7.7 | 20 | 45.0 | 20.0 | 25.0 | 10.0 | 0 |
| 87 | 0184 | 3858.7 | 7436.9 | X27017.5 | Y42773.9 | 355 | 5.5 | 20 | 40.0 | 20.0 | 30.0 | 10.0 | 0 |
| 87 | 0185 | 3859.3 | 7439.3 | X27033.1 | Y42779.5 | 304 | 6.6 | 2 | 100.0 | 0.0 | 0.0 | 0.0 | 0 |
| 87 | 0186 | 3853.8 | 7436.7 | X27005.7 | Y42719.9 | 183 | 8.7 | 9 | 55.6 | 0.0 | 22.2 | 22.2 | 0 |
| 87 | 0189 | 3851.4 | 7442.8 | X27035.9 | Y42690.0 | 229 | 8.7 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 87 | 0190 | 3858.5 | 7446.5 | X27073.5 | Y42767.3 | 283 | 7.1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 87 | 0191 | 3853.8 | 7448.5 | X27074.2 | Y42713.7 | 328 | 4.9 | 4 | 25.0 | 0.0 | 25.0 | 50.0 | 0 |
| 87 | 0192 | 3851.8 | 7446.6 | X27058.7 | Y42692.4 | 7 | 7.7 | 28 | 3.6 | 0.0 | 0.0 | 96.4 | 0 |
| 87 | 0193 | 3848.7 | 7448.6 | X27063.1 | Y42656.5 | 18 | 8.7 | 6 | 100.0 | 0.0 | 0.0 | 0.0 | 0 |
| 87 | 0194 | 3848.9 | 7452.8 | X27087.4 | Y42656.2 | 346 | 7.1 | 25 | 100.0 | 0.0 | 0.0 | 0.0 | 0 |
| 88 | 0066 | 3936.2 | 7408.7 | X26923.1 | Y43184.3 | 228 | 8.2 | 2 | 0.0 | 0.0 | 0.0 | 100.0 | 0 |
| 88 | 0067 | 3936.2 | 7402.7 | X26882.6 | Y43183.2 | 194 | 10.9 | 71 | 18.3 | 1.4 | 14.1 | 66.2 | 0 |
| 88 | 0068 | 3933.6 | 7401.0 | X26865.6 | Y43155.6 | 225 | 12.6 | 18 | 16.7 | 22.2 | 16.7 | 44.4 | 0 |
| 88 | 0069 | 3933.6 | 7355.0 | X26825.0 | Y43154.7 | 240 | 13.7 | 96 | 10.4 | 0.0 | 5.2 | 84.4 | 0 |
| 88 | 0075 | 3923.7 | 7400.7 | X26843.6 | Y43051.7 | 254 | 12.0 | 18 | 0.0 | 16.7 | 27.8 | 55.6 | 0 |
| 88 | 0076 | 3928.5 | 7359.4 | X26844.4 | Y43102.0 | 251 | 12.0 | 133 | 4.5 | 3.0 | 5.3 | 87.2 | 0 |
| 88 | 0077 | 3930.9 | 7407.1 | X26900.7 | Y43128.0 | 242 | 9.3 | 21 | 33.3 | 4.8 | 4.8 | 57.1 | 0 |
| 88 | 0078 | 3931.3 | 7409.2 | X26915.6 | Y43132.4 | 258 | 8.2 | 25 | 12.0 | 12.0 | 12.0 | 64.0 | 0 |
| 88 | 0079 | 3926.2 | 7404.8 | X26875.6 | Y43078.1 | 153 | 10.9 | 46 | 8.7 | 0.0 | 2.2 | 89.1 | 0 |
| 88 | 0080 | 3918.5 | 7404.9 | X26860.8 | Y42996.7 | 253 | 13.7 | 48 | 10.4 | 4.2 | 6.2 | 79.2 | 0 |
| 88 | 0081 | 3916.0 | 7407.0 | X26869.5 | Y42970.0 | 247 | 14.8 | 153 | 5.2 | 3.9 | 4.6 | 86.3 | 0 |
| 88 | 0082 | 3918.7 | 7413.0 | X26913.3 | Y42998.1 | 249 | 11.5 | 24 | 0.0 | 4.2 | 16.7 | 79.2 | 0 |
| 88 | 0083 | 3920.9 | 7417.0 | X26943.7 | Y43021.3 | 260 | 8.2 | 192 | 3.1 | 1.6 | 16.7 | 78.6 | 0 |
| 88 | 0084 | 3920.9 | 7418.7 | X26954.6 | Y43021.2 | 251 | 8.2 | 6 | 0.0 | 0.0 | 16.7 | 83.3 | 0 |
| 88 | 0085 | 3916.1 | 7417.3 | X26935.3 | Y42969.7 | 264 | 9.8 | 72 | 4.2 | 6.9 | 4.2 | 84.7 | 0 |
| 88 | 0172 | 3911.1 | 7412.4 | X26894.1 | Y42916.9 | 280 | 11.5 | 29 | 27.6 | 0.0 | 34.5 | 37.9 | 0 |
| 88 | 0173 | 3913.9 | 7417.9 | X26934.4 | Y42945.9 | 74 | 8.7 | 14 | 42.9 | 14.3 | 21.4 | 21.4 | 0 |
| 88 | 0174 | 3913.7 | 7428.7 | X27001.5 | Y42941.5 | 272 | 8.2 | 50 | 2.0 | 0.0 | 12.0 | 84.0 | 0 |
| 88 | 0175 | 3911.2 | 7428.6 | X26995.2 | Y42914.2 | 185 | 8.7 | 13 | 7.7 | 7.7 | 0.0 | 84.6 | 0 |
| 88 | 0176 | 3911.1 | 7426.6 | X26982.6 | Y42913.6 | 113 | 9.3 | 31 | 12.9 | 6.5 | 9.7 | 71.0 | 0 |
| 89 | 0037 | 4008.6 | 7358.6 | X26929.8 | Y43517.6 | 56 | 9.3 | 43 | 18.6 | 4.7 | 9.3 | 67.4 | 0 |
| 89 | 0039 | 4007.3 | 7357.6 | X26919.1 | Y43503.6 | 12 | 11.5 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 89 | 0040 | 4007.0 | 7354.6 | X26896.1 | Y43498.5 | 38 | 11.5 | 105 | 42.9 | 1.9 | 1.9 | 53.3 | 0 |
| 89 | 0041 | 4003.6 | 7358.0 | X26912.8 | Y43466.0 | 40 | 11.5 | 72 | 20.8 | 0.0 | 1.4 | 77.8 | 0 |
| 89 | 0046 | 4001.3 | 7350.7 | X26853.9 | Y43438.0 | 15 | 12.6 | 32 | 9.4 | 0.0 | 12.5 | 78.1 | 0 |
| 89 | 0050 | 3959.3 | 7350.9 | X26850.7 | Y43417.8 | 23 | 14.2 | 70 | 20.0 | 0.0 | 2.9 | 77.1 | 0 |
| 89 | 0051 | 3956.2 | 7354.8 | X26871.9 | Y43388.2 | 15 | 12.6 | 47 | 38.3 | 2.1 | 6.4 | 53.2 | 0 |
| 89 | 0052 | 3959.0 | 7400.7 | X26921.0 | Y43420.2 | 359 | 10.9 | 93 | 48.4 | 5.4 | 4.3 | 41.9 | 0 |
| 89 | 0053 | 3953.8 | 7358.4 | X26892.1 | Y43365.2 | 52 | 10.4 | 43 | 14.0 | 9.3 | 4.7 | 72.1 | 0 |

* Signifies a non-random station

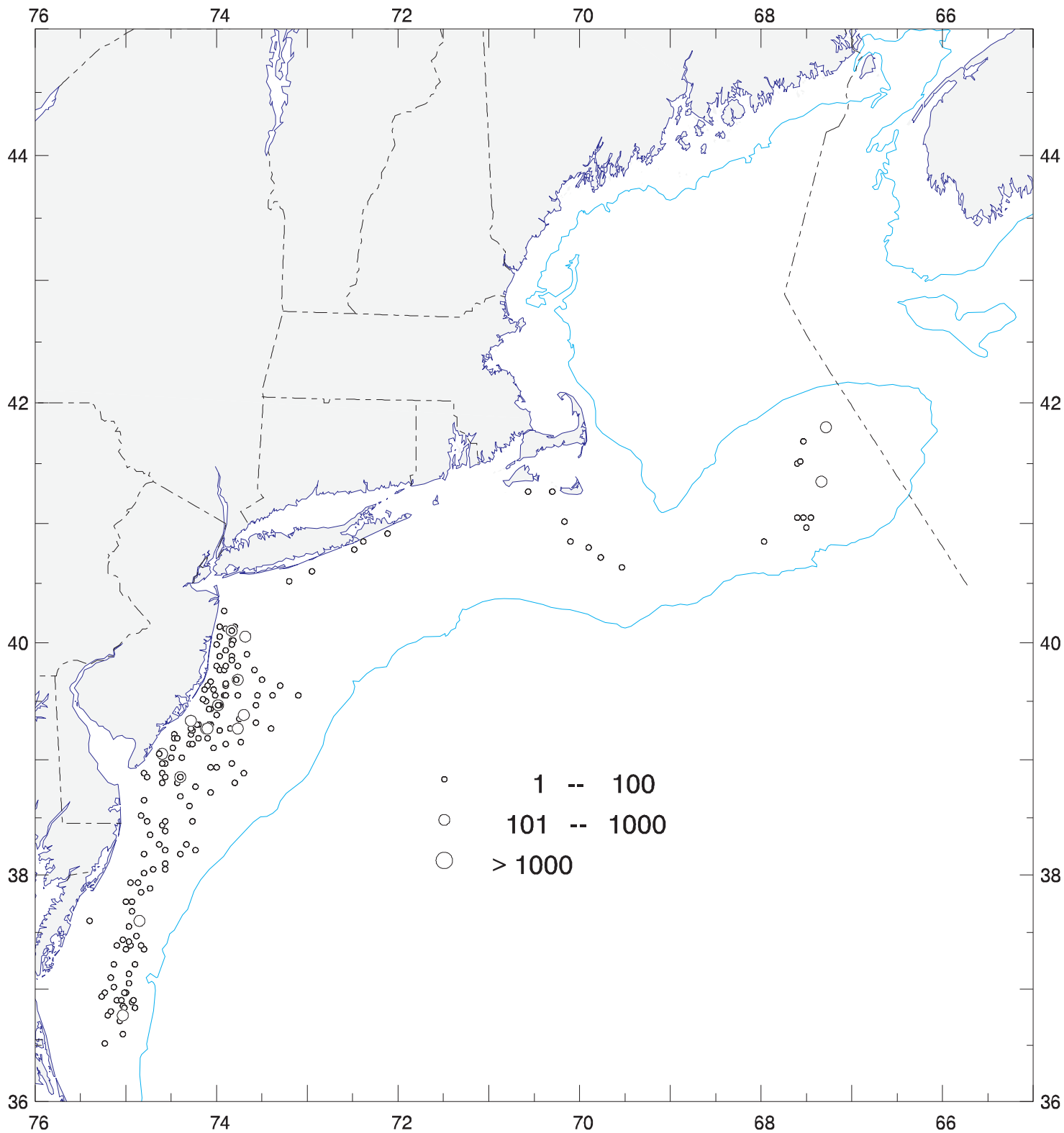
2002 NMFS-NEFSC Surf Clam -- Ocean Quahog Survey
R/V DELAWARE II June 03 - July 12

| Survey Stratum | Station Number | Position | | Loran | | Depth (FM) | Catch Number | Surf Clams Percent of Survey Catch | | | | Ocean Quahogs Catch Number | |
|----------------|----------------|----------|-----------|----------|----------|------------|--------------|---------------------------------------|---------|------------|------------|-------------------------------|--------|
| | | Latitude | Longitude | Time | Delays | | | Heading | 0-4.74" | 4.76-5.00" | 5.01-5.50" | | >5.50" |
| 89 | 0054 | 3948.9 | 7400.8 | X26897.7 | Y43315.4 | 352 | 9.8 | 24 | 12.5 | 8.3 | 12.5 | 66.7 | 0 |
| 89 | 0055 | 3946.3 | 7358.7 | X26877.1 | Y43287.6 | 105 | 10.4 | 81 | 8.6 | 6.2 | 9.9 | 75.3 | 0 |
| 89 | 0056 | 3946.4 | 7355.1 | X26852.1 | Y43287.4 | 24 | 12.6 | 11 | 54.5 | 0.0 | 9.1 | 36.4 | 0 |
| 89 | 0057 | 3948.4 | 7354.8 | X26854.4 | Y43307.9 | 18 | 11.5 | 98 | 30.6 | 9.2 | 17.3 | 42.9 | 0 |
| 89 | 0058 | 3953.7 | 7350.7 | X26836.8 | Y43360.5 | 49 | 13.1 | 28 | 53.6 | 3.6 | 7.1 | 35.7 | 0 |
| 89 | 0059 | 3951.0 | 7350.5 | X26829.5 | Y43332.8 | 133 | 14.2 | 91 | 25.3 | 1.1 | 3.3 | 70.3 | 0 |
| 89 | 0060 | 3948.6 | 7346.9 | X26798.8 | Y43306.7 | 147 | 15.3 | 62 | 16.1 | 0.0 | 3.2 | 80.6 | 0 |
| 89 | 0063 | 3939.0 | 7354.4 | X26831.7 | Y43210.6 | 355 | 14.2 | 87 | 12.6 | 1.1 | 8.0 | 78.2 | 0 |
| 89 | 0064 | 3940.8 | 7404.6 | X26905.7 | Y43231.9 | 215 | 7.7 | 53 | 5.7 | 0.0 | 1.9 | 92.5 | 0 |
| 89 | 0065 | 3938.7 | 7406.7 | X26915.2 | Y43210.3 | 211 | 8.2 | 32 | 9.4 | 0.0 | 15.6 | 75.0 | 0 |
| 90 | 0035 | 4020.9 | 7350.5 | X26900.5 | Y43635.4 | 20 | 13.1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 5 |
| 90 | 0036 | 4016.9 | 7355.9 | X26931.1 | Y43600.0 | 39 | 9.3 | 20 | 10.0 | 10.0 | 20.0 | 60.0 | 0 |
| 91 | 0020 | 4031.3 | 7312.5 | X26624.8 | Y43695.9 | 234 | 12.0 | 8 | 50.0 | 0.0 | 25.0 | 25.0 | 1 |
| 91 | 0033 | 4026.5 | 7328.7 | X26744.1 | Y43668.5 | 36 | 12.6 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 91 | 0034 | 4030.5 | 7348.9 | X26913.7 | Y43728.9 | 9 | 8.7 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 1 |
| 92 | 0015 | 4047.8 | 7229.4 | X26297.5 | Y43787.7 | 240 | 13.1 | 2 | 0.0 | 50.0 | 0.0 | 50.0 | 4 |
| 92 | 0019 | 4036.2 | 7257.1 | X26508.8 | Y43722.5 | 288 | 13.1 | 53 | 18.9 | 3.8 | 15.1 | 62.3 | 1 |
| 93 | 0012 | 4055.6 | 7207.0 | X26117.6 | Y43821.0 | 247 | 11.5 | 9 | 44.4 | 0.0 | 0.0 | 55.6 | 159 |
| 94 | 0449 | 4123.6 | 7054.8 | X25531.2 | Y43922.8 | 238 | 12.6 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 54 |
| 94 | 0451 | 4124.7 | 7105.1 | X25627.1 | Y43945.5 | 350 | 10.9 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 404 |
| 95 | 0455 | 4116.0 | 7034.7 | X25328.9 | Y43843.8 | 181 | 13.1 | 14 | 14.3 | 0.0 | 0.0 | 85.7 | 60 |
| 95 | 0459 | 4116.2 | 7018.7 | X25184.3 | Y43824.4 | 33 | 7.1 | 33 | 0.0 | 0.0 | 3.0 | 97.0 | 0 |
| 95 | 0460 | 4101.2 | 7010.4 | X25125.1 | Y43715.3 | 87 | 13.1 | 19 | 0.0 | 0.0 | 0.0 | 100.0 | 22 |
| 95 | 0463 | 4051.1 | 7006.9 | X25138.1 | Y43643.8 | 193 | 14.2 | 19 | 0.0 | 0.0 | 0.0 | 100.0 | 63 |

NEFSC CLAM SURVEY - 2002
SURFCLAMS - Number/Tow
Total Number



NEFSC CLAM SURVEY - 2002
SURFCLAMS - Number/Tow
Greater Than 5 inches



NEFSC CLAM SURVEY - 2002
OCEAN QUAHOG - Number/Tow
Total Number

