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David Rudders
Virginia Institute of Marine Science

Sally Roman
Virginia Institute of Marine Science

Erin Mohr
Virginia Institute of Marine Science

Kaitlyn Clark
Virginia Institute of Marine Science

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Results for the 2019 VIMS Industry Cooperative Surveys of the Mid-Atlantic, Nantucket Lightship Closed Area, Closed Area I, and Closed Area II Resource Areas

Submitted to:

Sea Scallop Fishing Industry

David B. Rudders, Sally Roman, Erin Mohr, and Kaitlyn Clark

Virginia Institute of Marine Science

William & Mary

Gloucester Point, VA 23062

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The Virginia Institute of Marine Science (VIMS) conducted high resolution sea scallop dredge surveys of the entire Mid-Atlantic (MAB), the Nantucket Lightship (NLCA), Closed Area I (CAI), and Closed Area II (CAII) during May–July 2019. These surveys were funded by the Sea Scallop Research Set-Aside Program (RSA). Exploitable biomass for each survey is shown in Table 1 for each spatially explicit SAMS Area (Scallop Area Management Simulator). SAMS Areas represent management relevant spatial subunits of the resource and explicitly account for differences in recruitment, vital rates, and fishing effort in the forward projection of survey information. Maps of SAMS Areas are provided in Figures 1-5. At the time of the surveys, exploitable biomass estimated from the commercial dredge was 18,884 mt or 41.6 million pounds for the Open Elephant Trunk (ET-Open) SAMS Area and 18,691 mt or 41.2 million pounds in the Elephant Trunk Flex (ET-Flex) SAMS Area. For open bottom in the Long Island (LI) SAMS Area, exploitable biomass was estimated at 9,437 mt or 20.8 million pounds. In the western NLCA SAMS Area (NLS-West), the exploitable biomass was 1,052 mt or 2.3 million pounds.

The MAB survey was conducted aboard two commercial vessels: *F/V Italian Princess* and *F/V Carolina Capes II* during May 2019. Each vessel completed one survey leg and occupied a total of 450 stations throughout the MAB survey area. The CAI and CAII survey was conducted onboard the *F/V Polaris* in May 2019 and a total of 200 stations were completed. The *F/V Socatean* conducted the NLCA survey during July 2019 and occupied a total of 135 survey stations. All vessels towed a NMFS 8-foot survey dredge along with either a 14-foot Coonamessett Farm Turtle Deflector Dredge (CFTDD) equipped with a 10-inch diamond mesh twine top with a 1.76 hanging ratio (60 meshes, 34 rings) and 8.5 meshes on the side or a 13- or 14-foot New Bedford style commercial dredge. While the comparison of catches between the survey dredge and the commercial dredge are informative on a relative basis, for the purposes of this report, we present only the catch data from the commercial dredges as this information is more applicable to the resource conditions that the industry is likely to encounter. Dredge data were obtained during 15-minute survey tows at 3.8–4.0 kts with a 3:1 scope (Table 2).

Catch data in tabular form is shown in Table 2. The density and number of scallops caught in three size classes (<35 mm, 35–75 mm, and >75 mm) for each tow is shown in Figures 6–8. In Figures 9–11, the shell height frequency distribution from both dredges (survey and commercial) for the different surveys and SAMS Areas are shown.

In addition to the catch data that informed our understanding of scallop abundance and biomass, we also monitored meat quality during each survey. This protocol allowed us to determine the prevalence and intensity of a parasitic nematode observed in the scallop meat. Infected scallops typically present with rust colored lesions on the exterior of the adductor muscle, often opposite the sweet meat. Nematode infected scallops were observed only during the MAB survey with a typical number of nematodes observed per scallop meat ranging from 1–11. The spatial distribution of the nematode prevalence (percent of sampled scallops at a given station with at least one lesion) by year is shown in Figure 12. In 2019, the prevalence of nematodes declined compared to previous survey years, with high numbers of infected scallops present in only the ET-Open and ET-Flex SAMS Areas.

Table 1: Exploitable biomass for scallops captured in the commercial dredges during the VIMS/Industry cooperative surveys by survey and SAMS Area during May–August 2019.

| Survey | SAMS Area | Exploitable Biomass (mt) | 95% CI Lower Bound | 95% CI Upper Bound |
|---------|-------------------|--------------------------|--------------------|--------------------|
| MAB | BI | 705.68 | 454.43 | 956.93 |
| | DMV | 173.98 | 42.68 | 305.28 |
| | ET_Flex | 18,691.29 | 13,434.55 | 23,948.03 |
| | ET_Open | 18,883.50 | 16,065.23 | 21,701.77 |
| | HCS | 10,986.92 | 8,786.19 | 13,187.65 |
| | LI | 9,437.00 | 8,364.96 | 10,509.04 |
| | MAB_Nearshore | 861.19 | 483.44 | 1,238.94 |
| | NYB | 3,880.14 | 3,361.35 | 4,398.93 |
| | VIR | 0.00 | 0.00 | 0.00 |
| NL | NLS_North | 4,030.00 | 3,385.16 | 4,674.84 |
| | NLS_South_Deep | 2,279.00 | 1,483.24 | 3,074.76 |
| | NLS_South_Shallow | 356.00 | 167.84 | 544.16 |
| | NLS_West | 1,052.00 | 456.16 | 1,647.84 |
| | VIMS_45 | 37.00 | 0.00 | 78.16 |
| CA I II | CAI_Access | 957.27 | 690.74 | 1,223.80 |
| | CAI_Sliver | 6,438.48 | 4,327.59 | 8,549.37 |
| | CAII_Access | 9,690.29 | 8,087.19 | 11,293.39 |
| | CAII_Ext | 3,258.13 | 2,304.57 | 4,211.69 |
| | SF | 4,193.63 | 2,813.64 | 5,573.62 |

Table 2: Catch data for the commercial dredges from the VIMS/Industry cooperative surveys completed during May–August 2019. Nematode prevalence (percentage of scallops sampled at a given station infected with nematodes) is also provided for each station.

| Survey | StationID | Latitude (degrees) | Latitude (minutes) | Longitude (degrees) | Longitude (minutes) | Scallops (number) | Scallops (lbs) | Scallops (baskets) | Scallop density (m2) | Nematode Prevalence |
|--------|-----------|-----------------------|-----------------------|------------------------|------------------------|----------------------|-------------------|-----------------------|-------------------------|------------------------|
| MAB | 201905001 | 36 | 39.87 | 74 | 45.00 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905002 | 37 | 1.07 | 74 | 43.90 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905003 | 37 | 2.04 | 74 | 54.02 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905004 | 37 | 4.91 | 74 | 53.05 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905005 | 37 | 4.38 | 74 | 43.58 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905006 | 37 | 10.23 | 74 | 35.74 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905007 | 37 | 14.96 | 74 | 41.09 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905008 | 37 | 14.84 | 74 | 45.25 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905009 | 37 | 17.42 | 74 | 44.74 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905010 | 37 | 22.43 | 74 | 43.01 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905011 | 37 | 26.63 | 74 | 32.95 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905012 | 37 | 29.57 | 74 | 39.77 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905013 | 37 | 31.11 | 74 | 45.59 | 0 | 0.00 | 0.10 | 0.00 | 0 |
| MAB | 201905014 | 37 | 33.57 | 74 | 42.84 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905015 | 37 | 36.33 | 74 | 48.76 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905016 | 37 | 38.52 | 74 | 44.24 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905017 | 37 | 41.91 | 74 | 37.14 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905018 | 37 | 41.62 | 74 | 35.69 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905019 | 37 | 40.77 | 74 | 33.10 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905020 | 37 | 38.99 | 74 | 33.47 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905021 | 37 | 38.57 | 74 | 27.78 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905022 | 37 | 36.34 | 74 | 20.03 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905023 | 37 | 39.81 | 74 | 24.31 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905024 | 37 | 41.16 | 74 | 21.00 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905025 | 37 | 46.06 | 74 | 28.61 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905026 | 37 | 46.36 | 74 | 35.71 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905027 | 37 | 49.79 | 74 | 47.31 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905028 | 37 | 55.10 | 74 | 38.01 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905029 | 37 | 50.93 | 74 | 31.55 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905030 | 37 | 52.40 | 74 | 25.64 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905031 | 37 | 51.90 | 74 | 15.54 | 4 | 0.25 | 0.10 | 0.00 | 0 |
| MAB | 201905032 | 37 | 54.66 | 74 | 21.95 | 1 | 0.06 | 0.10 | 0.00 | 0 |
| MAB | 201905034 | 37 | 59.40 | 74 | 15.14 | 118 | 7.13 | 1.10 | 0.03 | 27 |
| MAB | 201905035 | 37 | 59.19 | 74 | 16.74 | 2 | 0.14 | 0.10 | 0.00 | 100 |
| MAB | 201905036 | 37 | 58.00 | 74 | 32.79 | 1 | 0.06 | 0.10 | 0.00 | 100 |
| MAB | 201905037 | 37 | 58.78 | 74 | 36.14 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905038 | 38 | 0.61 | 74 | 39.37 | 0 | 0.00 | 0.00 | 0.00 | 0 |

Table 2: continued

| Survey | StationID | Latitude (degrees) | Latitude (minutes) | Longitude (degrees) | Longitude (minutes) | Scallops (number) | Scallops (lbs) | Scallops (baskets) | Scallop density (m2) | Nematode Prevalence |
|--------|-----------|-----------------------|-----------------------|------------------------|------------------------|----------------------|-------------------|-----------------------|-------------------------|------------------------|
| MAB | 201905039 | 38 | 6.19 | 74 | 45.00 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905040 | 38 | 5.67 | 74 | 25.81 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905041 | 38 | 7.64 | 74 | 23.61 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905042 | 38 | 9.71 | 74 | 20.74 | 3 | 0.21 | 0.10 | 0.00 | 67 |
| MAB | 201905044 | 38 | 11.54 | 74 | 15.02 | 11 | 0.58 | 0.20 | 0.00 | 0 |
| MAB | 201905045 | 38 | 8.01 | 74 | 4.67 | 143 | 7.94 | 1.50 | 0.03 | 7 |
| MAB | 201905046 | 38 | 14.13 | 74 | 1.64 | 2 | 0.14 | 0.10 | 0.00 | 0 |
| MAB | 201905048 | 38 | 14.46 | 73 | 56.72 | 1357 | 84.44 | 13.75 | 0.38 | 0 |
| MAB | 201905049 | 38 | 16.80 | 73 | 57.18 | 95 | 5.73 | 1.25 | 0.02 | 0 |
| MAB | 201905050 | 38 | 20.53 | 74 | 0.20 | 70 | 4.47 | 1.00 | 0.02 | 0 |
| MAB | 201905051 | 38 | 22.19 | 74 | 7.56 | 1500 | 96.22 | 17.00 | 0.36 | 0 |
| MAB | 201905052 | 38 | 19.65 | 74 | 15.59 | 457 | 28.60 | 5.00 | 0.10 | 13 |
| MAB | 201905054 | 38 | 21.15 | 74 | 18.84 | 2 | 0.17 | 0.10 | 0.00 | 50 |
| MAB | 201905055 | 38 | 21.73 | 74 | 13.14 | 518 | 33.80 | 6.00 | 0.13 | 20 |
| MAB | 201905056 | 38 | 23.60 | 74 | 11.69 | 1372 | 79.93 | 22.00 | 0.33 | 27 |
| MAB | 201905057 | 38 | 24.58 | 74 | 8.90 | 1391 | 91.25 | 17.00 | 0.34 | 33 |
| MAB | 201905058 | 38 | 24.25 | 74 | 5.71 | 710 | 41.14 | 9.25 | 0.15 | 53 |
| MAB | 201905059 | 38 | 24.22 | 74 | 4.36 | 5002 | 292.29 | 56.00 | 1.21 | 47 |
| MAB | 201905060 | 38 | 24.39 | 74 | 2.06 | 3951 | 256.61 | 46.00 | 0.96 | 13 |
| MAB | 201905061 | 38 | 26.44 | 74 | 3.68 | 8258 | 487.23 | 84.00 | 2.28 | 19 |
| MAB | 201905062 | 38 | 27.08 | 74 | 8.10 | 444 | 29.16 | 5.50 | 0.10 | 44 |
| MAB | 201905063 | 38 | 25.79 | 74 | 12.75 | 377 | 27.08 | 4.00 | 0.08 | 23 |
| MAB | 201905064 | 38 | 28.08 | 74 | 19.53 | 15 | 1.01 | 0.10 | 0.00 | 56 |
| MAB | 201905065 | 38 | 28.79 | 74 | 17.26 | 6 | 0.41 | 0.10 | 0.00 | 0 |
| MAB | 201905066 | 38 | 27.93 | 74 | 13.20 | 1646 | 116.79 | 21.00 | 0.40 | 33 |
| MAB | 201905067 | 38 | 29.36 | 74 | 10.60 | 124 | 7.97 | 1.20 | 0.03 | 57 |
| MAB | 201905069 | 38 | 28.64 | 74 | 6.08 | 3972 | 240.75 | 40.00 | 0.85 | 39 |
| MAB | 201905070 | 38 | 28.81 | 74 | 3.83 | 4340 | 265.30 | 52.00 | 0.93 | 33 |
| MAB | 201905071 | 38 | 27.73 | 74 | 0.47 | 4365 | 272.10 | 58.00 | 1.20 | 60 |
| MAB | 201905072 | 38 | 26.74 | 74 | 0.02 | 2789 | 166.49 | 36.00 | 0.67 | 40 |
| MAB | 201905073 | 38 | 28.49 | 73 | 58.35 | 5142 | 327.21 | 60.00 | 1.24 | 40 |
| MAB | 201905074 | 38 | 29.52 | 74 | 1.38 | 3319 | 200.17 | 38.00 | 0.71 | 14 |
| MAB | 201905075 | 38 | 31.16 | 73 | 55.78 | 5620 | 348.12 | 64.00 | 1.21 | 43 |
| MAB | 201905076 | 38 | 31.81 | 73 | 58.70 | 6682 | 379.03 | 66.00 | 1.29 | 33 |
| MAB | 201905077 | 38 | 31.20 | 74 | 2.82 | 3246 | 174.86 | 62.00 | 0.78 | 53 |
| MAB | 201905078 | 38 | 32.58 | 74 | 5.26 | 173 | 11.03 | 2.00 | 0.04 | 39 |
| MAB | 201905079 | 38 | 31.89 | 74 | 7.47 | 624 | 43.47 | 12.00 | 0.13 | 23 |
| MAB | 201905080 | 38 | 32.05 | 74 | 12.06 | 140 | 10.82 | 2.00 | 0.03 | 50 |
| MAB | 201905081 | 38 | 31.77 | 74 | 22.44 | 4 | 0.28 | 0.10 | 0.00 | 0 |

Table 2: continued

| Survey | StationID | Latitude (degrees) | Latitude (minutes) | Longitude (degrees) | Longitude (minutes) | Scallops (number) | Scallops (lbs) | Scallops (baskets) | Scallop density (m2) | Nematode Prevalence |
|--------|-----------|-----------------------|-----------------------|------------------------|------------------------|----------------------|-------------------|-----------------------|-------------------------|------------------------|
| MAB | 201905082 | 38 | 33.10 | 74 | 20.77 | 2 | 0.14 | 0.10 | 0.00 | 0 |
| MAB | 201905083 | 38 | 32.87 | 74 | 16.70 | 28 | 2.60 | 0.50 | 0.01 | 0 |
| MAB | 201905085 | 38 | 33.47 | 74 | 13.61 | 126 | 10.49 | 1.75 | 0.03 | 37 |
| MAB | 201905087 | 38 | 33.27 | 74 | 9.37 | 422 | 31.75 | 7.00 | 0.09 | 7 |
| MAB | 201905088 | 38 | 33.91 | 74 | 7.53 | 153 | 14.75 | 2.00 | 0.03 | 53 |
| MAB | 201905089 | 38 | 34.49 | 74 | 11.49 | 212 | 19.30 | 2.50 | 0.05 | 20 |
| MAB | 201905090 | 38 | 35.09 | 74 | 14.53 | 90 | 8.35 | 1.10 | 0.02 | 20 |
| MAB | 201905092 | 38 | 36.35 | 74 | 9.66 | 239 | 19.71 | 2.50 | 0.05 | 20 |
| MAB | 201905093 | 38 | 36.65 | 74 | 8.21 | 1023 | 89.50 | 13.50 | 0.22 | 7 |
| MAB | 201905095 | 38 | 35.09 | 74 | 4.73 | 2751 | 219.05 | 29.00 | 0.67 | 13 |
| MAB | 201905096 | 38 | 35.31 | 74 | 3.51 | 7790 | 544.03 | 80.00 | 1.88 | 30 |
| MAB | 201905097 | 38 | 35.00 | 74 | 0.84 | 10122 | 726.47 | 90.00 | 2.80 | 27 |
| MAB | 201905098 | 38 | 34.14 | 73 | 58.83 | 11914 | 866.09 | 115.00 | 2.88 | 37 |
| MAB | 201905099 | 38 | 34.30 | 73 | 56.39 | 3070 | 214.44 | 32.00 | 0.74 | 40 |
| MAB | 201905100 | 38 | 35.38 | 73 | 51.58 | 7201 | 474.32 | 90.00 | 1.74 | 71 |
| MAB | 201905101 | 38 | 34.66 | 73 | 47.25 | 2339 | 156.81 | 42.00 | 0.57 | 0 |
| MAB | 201905102 | 38 | 35.24 | 73 | 44.30 | 3766 | 298.75 | 42.00 | 0.91 | 73 |
| MAB | 201905103 | 38 | 38.64 | 73 | 43.92 | 2040 | 152.11 | 25.00 | 0.56 | 47 |
| MAB | 201905104 | 38 | 39.87 | 73 | 43.42 | 1387 | 108.32 | 21.00 | 0.33 | 57 |
| MAB | 201905105 | 38 | 40.82 | 73 | 40.25 | 1489 | 117.61 | 20.00 | 0.36 | 50 |
| MAB | 201905106 | 38 | 40.38 | 73 | 46.03 | 385 | 28.45 | 4.50 | 0.09 | 33 |
| MAB | 201905107 | 38 | 39.48 | 73 | 49.29 | 320 | 28.82 | 3.25 | 0.08 | 33 |
| MAB | 201905108 | 38 | 38.27 | 73 | 53.54 | 485 | 40.92 | 6.00 | 0.13 | 31 |
| MAB | 201905109 | 38 | 37.77 | 73 | 57.85 | 7365 | 548.14 | 77.00 | 2.04 | 21 |
| MAB | 201905110 | 38 | 37.64 | 74 | 0.32 | 6289 | 403.48 | 78.00 | 1.73 | 27 |
| MAB | 201905111 | 38 | 37.73 | 74 | 5.75 | 1541 | 102.95 | 20.00 | 0.33 | 0 |
| MAB | 201905112 | 38 | 39.06 | 74 | 3.41 | 9616 | 678.59 | 96.00 | 2.33 | 27 |
| MAB | 201905113 | 38 | 39.98 | 74 | 1.48 | 4103 | 263.12 | 46.00 | 0.99 | 0 |
| MAB | 201905114 | 38 | 39.23 | 73 | 56.41 | 336 | 24.76 | 4.00 | 0.08 | 27 |
| MAB | 201905115 | 38 | 40.22 | 73 | 56.02 | 177 | 12.71 | 2.00 | 0.04 | 7 |
| MAB | 201905116 | 38 | 41.85 | 73 | 51.19 | 272 | 20.07 | 3.50 | 0.07 | 23 |
| MAB | 201905117 | 38 | 41.54 | 73 | 46.98 | 422 | 32.41 | 6.50 | 0.09 | 0 |
| MAB | 201905118 | 38 | 44.41 | 73 | 49.94 | 156 | 11.98 | 2.10 | 0.04 | 13 |
| MAB | 201905119 | 38 | 46.11 | 73 | 45.52 | 143 | 10.81 | 2.10 | 0.03 | 7 |
| MAB | 201905120 | 38 | 47.86 | 73 | 40.59 | 179 | 13.09 | 3.00 | 0.04 | 0 |
| MAB | 201905121 | 38 | 46.00 | 73 | 35.01 | 719 | 52.33 | 10.00 | 0.17 | 0 |
| MAB | 201905122 | 38 | 48.56 | 73 | 32.40 | 438 | 32.50 | 6.75 | 0.12 | 0 |
| MAB | 201905123 | 38 | 49.14 | 73 | 35.30 | 208 | 14.80 | 3.00 | 0.04 | 13 |
| MAB | 201905124 | 38 | 49.42 | 73 | 37.99 | 407 | 30.33 | 6.25 | 0.10 | 0 |

Table 2: continued

| Survey | StationID | Latitude (degrees) | Latitude (minutes) | Longitude (degrees) | Longitude (minutes) | Scallops (number) | Scallops (lbs) | Scallops (baskets) | Scallop density (m2) | Nematode Prevalence |
|--------|-----------|-----------------------|-----------------------|------------------------|------------------------|----------------------|-------------------|-----------------------|-------------------------|------------------------|
| MAB | 201905125 | 38 | 51.27 | 73 | 36.01 | 393 | 29.14 | 5.00 | 0.08 | 0 |
| MAB | 201905126 | 38 | 52.58 | 73 | 37.78 | 204 | 16.38 | 2.50 | 0.05 | 0 |
| MAB | 201905128 | 38 | 53.48 | 73 | 32.77 | 239 | 18.36 | 3.00 | 0.05 | 0 |
| MAB | 201905130 | 38 | 51.75 | 73 | 29.11 | 274 | 18.62 | 3.50 | 0.08 | 33 |
| MAB | 201905131 | 38 | 52.29 | 73 | 27.77 | 348 | 24.50 | 4.50 | 0.10 | 25 |
| MAB | 201905132 | 38 | 55.10 | 73 | 24.75 | 345 | 20.70 | 3.70 | 0.10 | 7 |
| MAB | 201905133 | 38 | 55.99 | 73 | 27.58 | 277 | 19.06 | 3.20 | 0.07 | 0 |
| MAB | 201905134 | 38 | 55.97 | 73 | 30.95 | 161 | 11.86 | 1.90 | 0.03 | 7 |
| MAB | 201905135 | 38 | 58.68 | 73 | 31.27 | 127 | 9.19 | 1.80 | 0.04 | 20 |
| MAB | 201905136 | 39 | 1.16 | 73 | 31.32 | 173 | 11.96 | 2.00 | 0.04 | 0 |
| MAB | 201905137 | 39 | 0.84 | 73 | 27.44 | 241 | 17.63 | 2.90 | 0.06 | 13 |
| MAB | 201905138 | 38 | 59.25 | 73 | 23.78 | 580 | 36.01 | 6.20 | 0.14 | 20 |
| MAB | 201905139 | 39 | 2.65 | 73 | 23.35 | 264 | 16.69 | 2.90 | 0.06 | 7 |
| MAB | 201905140 | 39 | 3.25 | 73 | 27.90 | 197 | 14.28 | 2.50 | 0.05 | 7 |
| MAB | 201905141 | 39 | 4.77 | 73 | 26.46 | 214 | 15.66 | 2.90 | 0.06 | 13 |
| MAB | 201905142 | 39 | 5.26 | 73 | 23.67 | 205 | 13.22 | 2.50 | 0.05 | 7 |
| MAB | 201905143 | 39 | 4.16 | 73 | 21.31 | 257 | 16.64 | 2.80 | 0.06 | 7 |
| MAB | 201905144 | 39 | 5.63 | 73 | 19.02 | 506 | 31.87 | 5.50 | 0.11 | 27 |
| MAB | 201905145 | 39 | 6.00 | 73 | 15.12 | 280 | 16.77 | 3.00 | 0.07 | 7 |
| MAB | 201905146 | 39 | 8.57 | 73 | 14.83 | 211 | 14.13 | 2.80 | 0.05 | 13 |
| MAB | 201905147 | 39 | 8.82 | 73 | 18.10 | 77 | 4.95 | 1.00 | 0.02 | 0 |
| MAB | 201905148 | 39 | 9.01 | 73 | 20.54 | 224 | 14.87 | 2.50 | 0.05 | 20 |
| MAB | 201905149 | 39 | 9.28 | 73 | 24.84 | 205 | 13.72 | 2.60 | 0.04 | 0 |
| MAB | 201905150 | 39 | 12.98 | 73 | 22.37 | 85 | 6.30 | 1.10 | 0.02 | 0 |
| MAB | 201905151 | 39 | 11.54 | 73 | 16.09 | 193 | 12.51 | 2.50 | 0.05 | 33 |
| MAB | 201905152 | 39 | 11.45 | 73 | 10.28 | 912 | 52.51 | 9.50 | 0.22 | 13 |
| MAB | 201905153 | 39 | 12.80 | 73 | 12.75 | 204 | 12.99 | 3.00 | 0.05 | 0 |
| MAB | 201905154 | 39 | 13.82 | 73 | 16.10 | 274 | 18.59 | 4.00 | 0.06 | 7 |
| MAB | 201905155 | 39 | 14.65 | 73 | 17.82 | 425 | 28.32 | 4.75 | 0.10 | 0 |
| MAB | 201905156 | 39 | 16.84 | 73 | 16.40 | 261 | 18.40 | 4.00 | 0.06 | 0 |
| MAB | 201905157 | 39 | 16.96 | 73 | 12.20 | 38 | 2.45 | 0.75 | 0.01 | 7 |
| MAB | 201905158 | 39 | 18.75 | 73 | 10.67 | 127 | 8.10 | 2.00 | 0.03 | 0 |
| MAB | 201905159 | 39 | 18.87 | 73 | 3.18 | 472 | 26.31 | 6.50 | 0.10 | 0 |
| MAB | 201905160 | 39 | 19.85 | 72 | 59.59 | 643 | 33.06 | 8.00 | 0.14 | 0 |
| MAB | 201905161 | 39 | 20.56 | 73 | 6.75 | 132 | 8.99 | 2.00 | 0.03 | 0 |
| MAB | 201905162 | 39 | 22.42 | 73 | 8.87 | 345 | 22.06 | 4.00 | 0.08 | 0 |
| MAB | 201905163 | 39 | 23.36 | 73 | 13.53 | 120 | 8.10 | 1.50 | 0.03 | 0 |
| MAB | 201905164 | 39 | 24.60 | 73 | 10.62 | 41 | 2.66 | 0.50 | 0.01 | 0 |
| MAB | 201905165 | 39 | 25.08 | 73 | 5.69 | 129 | 8.09 | 1.75 | 0.03 | 0 |

Table 2: continued

| Survey | StationID | Latitude (degrees) | Latitude (minutes) | Longitude (degrees) | Longitude (minutes) | Scallops (number) | Scallops (lbs) | Scallops (baskets) | Scallop density (m2) | Nematode Prevalence |
|--------|-----------|-----------------------|-----------------------|------------------------|------------------------|----------------------|-------------------|-----------------------|-------------------------|------------------------|
| MAB | 201905166 | 39 | 26.65 | 73 | 3.50 | 260 | 16.65 | 3.10 | 0.06 | 7 |
| MAB | 201905167 | 39 | 29.33 | 73 | 4.27 | 264 | 16.96 | 3.00 | 0.06 | 0 |
| MAB | 201905168 | 39 | 29.49 | 73 | 0.91 | 252 | 17.34 | 3.00 | 0.07 | 7 |
| MAB | 201905169 | 39 | 28.11 | 72 | 58.53 | 350 | 21.62 | 3.80 | 0.08 | 0 |
| MAB | 201905170 | 39 | 27.84 | 72 | 49.43 | 614 | 34.29 | 6.20 | 0.15 | 7 |
| MAB | 201905171 | 39 | 30.16 | 72 | 48.48 | 311 | 17.35 | 3.00 | 0.08 | 0 |
| MAB | 201905172 | 39 | 29.40 | 72 | 45.98 | 431 | 23.28 | 5.00 | 0.08 | 7 |
| MAB | 201905173 | 39 | 26.26 | 72 | 42.34 | 5 | 0.24 | 0.10 | 0.00 | 0 |
| MAB | 201905174 | 39 | 24.88 | 72 | 52.65 | 234 | 10.70 | 2.90 | 0.05 | 0 |
| MAB | 201905175 | 39 | 25.50 | 72 | 58.57 | 349 | 22.08 | 4.00 | 0.08 | 0 |
| MAB | 201905176 | 39 | 23.90 | 72 | 57.13 | 351 | 21.35 | 4.00 | 0.07 | 7 |
| MAB | 201905177 | 39 | 22.52 | 72 | 51.54 | 153 | 6.19 | 2.00 | 0.03 | 0 |
| MAB | 201905178 | 39 | 21.33 | 72 | 54.73 | 6026 | 297.58 | 68.00 | 1.17 | 0 |
| MAB | 201905179 | 39 | 18.68 | 72 | 48.49 | 12 | 0.60 | 0.10 | 0.00 | 0 |
| MAB | 201905180 | 39 | 15.92 | 72 | 54.26 | 9 | 0.43 | 0.10 | 0.00 | 0 |
| MAB | 201905181 | 39 | 16.57 | 72 | 57.37 | 230 | 11.48 | 3.00 | 0.05 | 0 |
| MAB | 201905182 | 39 | 15.29 | 73 | 2.08 | 1715 | 85.11 | 17.50 | 0.47 | 0 |
| MAB | 201905183 | 39 | 14.27 | 73 | 4.12 | 1516 | 76.85 | 17.00 | 0.33 | 0 |
| MAB | 201905184 | 39 | 14.28 | 72 | 57.41 | 12 | 0.58 | 0.10 | 0.00 | 0 |
| MAB | 201905185 | 39 | 11.95 | 72 | 59.96 | 359 | 19.62 | 4.00 | 0.08 | 20 |
| MAB | 201905186 | 39 | 9.33 | 73 | 2.60 | 4230 | 224.11 | 45.00 | 0.91 | 0 |
| MAB | 201905187 | 39 | 9.97 | 73 | 4.69 | 929 | 50.66 | 13.00 | 0.22 | 7 |
| MAB | 201905188 | 39 | 9.38 | 73 | 10.57 | 1338 | 80.45 | 15.00 | 0.37 | 7 |
| MAB | 201905189 | 39 | 6.80 | 73 | 10.77 | 3381 | 176.63 | 37.00 | 0.81 | 0 |
| MAB | 201905190 | 39 | 6.02 | 73 | 5.11 | 32 | 1.52 | 0.50 | 0.01 | 7 |
| MAB | 201905191 | 39 | 5.61 | 73 | 2.44 | 7 | 0.39 | 0.10 | 0.00 | 7 |
| MAB | 201905192 | 39 | 3.71 | 73 | 9.79 | 1107 | 53.57 | 13.50 | 0.31 | 0 |
| MAB | 201905193 | 39 | 3.95 | 73 | 13.36 | 4011 | 199.09 | 44.00 | 0.97 | 0 |
| MAB | 201905194 | 39 | 4.02 | 73 | 15.53 | 1813 | 103.79 | 22.00 | 0.44 | 0 |
| MAB | 201905195 | 39 | 2.64 | 73 | 17.85 | 1882 | 110.11 | 24.00 | 0.52 | 0 |
| MAB | 201905196 | 38 | 59.59 | 73 | 17.44 | 511 | 30.25 | 7.00 | 0.12 | 0 |
| MAB | 201905197 | 39 | 0.13 | 73 | 15.18 | 75 | 4.19 | 1.00 | 0.02 | 13 |
| MAB | 201905198 | 39 | 0.05 | 73 | 12.38 | 84 | 4.35 | 1.00 | 0.02 | 0 |
| MAB | 201905199 | 38 | 59.98 | 73 | 9.15 | 5 | 0.27 | 0.10 | 0.00 | 0 |
| MAB | 201905200 | 38 | 57.43 | 73 | 14.24 | 1 | 0.04 | 0.10 | 0.00 | 0 |
| MAB | 201905201 | 38 | 56.87 | 73 | 21.04 | 616 | 36.15 | 7.00 | 0.15 | 19 |
| MAB | 201905202 | 38 | 52.20 | 73 | 23.27 | 1146 | 68.56 | 16.00 | 0.25 | 33 |
| MAB | 201905203 | 38 | 49.90 | 73 | 21.34 | 686 | 37.26 | 9.00 | 0.15 | 0 |
| MAB | 201905205 | 38 | 49.03 | 73 | 14.58 | 19 | 0.89 | 0.30 | 0.00 | 0 |

Table 2: continued

| Survey | StationID | Latitude (degrees) | Latitude (minutes) | Longitude (degrees) | Longitude (minutes) | Scallops (number) | Scallops (lbs) | Scallops (baskets) | Scallop density (m2) | Nematode Prevalence |
|--------|-----------|-----------------------|-----------------------|------------------------|------------------------|----------------------|-------------------|-----------------------|-------------------------|------------------------|
| MAB | 201905206 | 38 | 47.33 | 73 | 21.77 | 243 | 12.69 | 4.00 | 0.06 | 0 |
| MAB | 201905207 | 38 | 48.42 | 73 | 27.43 | 2691 | 156.89 | 31.00 | 0.65 | 27 |
| MAB | 201905208 | 38 | 44.28 | 73 | 25.87 | 145 | 8.32 | 2.00 | 0.04 | 14 |
| MAB | 201905209 | 38 | 43.58 | 73 | 28.85 | 1116 | 69.98 | 14.00 | 0.27 | 7 |
| MAB | 201905210 | 38 | 44.67 | 73 | 31.91 | 2286 | 139.28 | 28.00 | 0.55 | 0 |
| MAB | 201905211 | 38 | 43.44 | 73 | 34.97 | 636 | 41.83 | 16.00 | 0.14 | 20 |
| MAB | 201905212 | 38 | 40.93 | 73 | 27.17 | 581 | 31.35 | 10.00 | 0.11 | 0 |
| MAB | 201905213 | 38 | 40.04 | 73 | 28.73 | 941 | 52.82 | 11.00 | 0.26 | 7 |
| MAB | 201905214 | 38 | 39.57 | 73 | 32.27 | 1121 | 71.70 | 15.00 | 0.24 | 7 |
| MAB | 201905215 | 38 | 38.07 | 73 | 34.04 | 912 | 57.67 | 12.00 | 0.22 | 0 |
| MAB | 201905216 | 38 | 37.52 | 73 | 37.37 | 935 | 63.37 | 13.00 | 0.26 | 31 |
| MAB | 201905218 | 38 | 32.82 | 73 | 40.22 | 1034 | 68.51 | 14.00 | 0.25 | 50 |
| MAB | 201905220 | 38 | 31.10 | 73 | 39.66 | 1434 | 83.23 | 17.00 | 0.40 | 33 |
| MAB | 201905221 | 38 | 31.16 | 73 | 39.91 | 1448 | 85.59 | 18.00 | 0.40 | 0 |
| MAB | 201905222 | 38 | 31.81 | 73 | 42.21 | 1270 | 87.33 | 17.00 | 0.31 | 20 |
| MAB | 201905223 | 38 | 32.32 | 73 | 45.03 | 2010 | 141.87 | 27.00 | 0.49 | 60 |
| MAB | 201905224 | 38 | 33.06 | 73 | 49.08 | 2269 | 152.00 | 28.00 | 0.49 | 40 |
| MAB | 201905225 | 38 | 32.94 | 73 | 52.69 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201905226 | 38 | 29.11 | 73 | 53.24 | 2898 | 176.67 | 36.00 | 0.70 | 27 |
| MAB | 201905228 | 38 | 27.13 | 73 | 53.45 | 3067 | 194.43 | 36.00 | 0.74 | 40 |
| MAB | 201905230 | 38 | 28.84 | 73 | 49.92 | 2526 | 166.64 | 43.00 | 0.54 | 7 |
| MAB | 201905231 | 38 | 29.36 | 73 | 47.07 | 923 | 62.17 | 17.00 | 0.20 | 33 |
| MAB | 201905232 | 38 | 28.37 | 73 | 40.90 | 512 | 27.19 | 5.50 | 0.11 | 0 |
| MAB | 201905233 | 38 | 27.54 | 73 | 44.30 | 909 | 57.23 | 12.00 | 0.20 | 14 |
| MAB | 201905234 | 38 | 25.52 | 73 | 45.41 | 54 | 3.05 | 0.50 | 0.01 | 0 |
| MAB | 201905235 | 38 | 24.37 | 73 | 46.22 | 20 | 1.05 | 0.50 | 0.00 | 38 |
| MAB | 201905236 | 38 | 24.38 | 73 | 49.47 | 313 | 18.39 | 4.00 | 0.07 | 0 |
| MAB | 201905237 | 38 | 24.26 | 73 | 53.55 | 1440 | 91.60 | 20.40 | 0.31 | 47 |
| MAB | 201905238 | 38 | 24.73 | 73 | 57.46 | 928 | 60.72 | 24.00 | 0.18 | 40 |
| MAB | 201905239 | 38 | 22.83 | 73 | 57.90 | 894 | 57.33 | 12.00 | 0.19 | 67 |
| MAB | 201905240 | 38 | 20.91 | 73 | 53.51 | 6 | 0.38 | 0.10 | 0.00 | 86 |
| MAB | 201905241 | 38 | 21.96 | 73 | 48.63 | 5 | 0.31 | 0.10 | 0.00 | 83 |
| MAB | 201906001 | 38 | 36.37 | 74 | 23.36 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906002 | 38 | 35.99 | 74 | 21.87 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906003 | 38 | 41.27 | 74 | 17.77 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906004 | 38 | 42.97 | 74 | 15.14 | 2 | 0.18 | 0.10 | 0.00 | 25 |
| MAB | 201906005 | 38 | 46.73 | 74 | 15.23 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906006 | 38 | 46.29 | 74 | 9.25 | 237 | 14.59 | 2.30 | 0.05 | 0 |
| MAB | 201906007 | 38 | 45.63 | 74 | 6.54 | 246 | 16.53 | 2.80 | 0.05 | 0 |

Table 2: continued

| Survey | StationID | Latitude (degrees) | Latitude (minutes) | Longitude (degrees) | Longitude (minutes) | Scallops (number) | Scallops (lbs) | Scallops (baskets) | Scallop density (m2) | Nematode Prevalence |
|--------|-----------|-----------------------|-----------------------|------------------------|------------------------|----------------------|-------------------|-----------------------|-------------------------|------------------------|
| MAB | 201906008 | 38 | 43.34 | 74 | 4.13 | 292 | 19.32 | 3.00 | 0.06 | 7 |
| MAB | 201906009 | 38 | 44.15 | 74 | 0.90 | 453 | 31.82 | 5.20 | 0.10 | 15 |
| MAB | 201906010 | 38 | 50.22 | 73 | 41.70 | 702 | 57.83 | 9.20 | 0.15 | 0 |
| MAB | 201906011 | 38 | 54.61 | 73 | 39.21 | 60 | 4.87 | 1.00 | 0.01 | 7 |
| MAB | 201906012 | 38 | 56.36 | 73 | 49.43 | 4 | 0.28 | 0.10 | 0.00 | 0 |
| MAB | 201906013 | 38 | 59.17 | 73 | 57.83 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906014 | 38 | 59.07 | 73 | 52.02 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906015 | 38 | 58.58 | 73 | 44.11 | 6 | 0.43 | 0.10 | 0.00 | 0 |
| MAB | 201906016 | 38 | 59.84 | 73 | 35.89 | 148 | 10.80 | 2.00 | 0.04 | 0 |
| MAB | 201906017 | 39 | 0.76 | 73 | 36.95 | 229 | 16.48 | 2.50 | 0.05 | 0 |
| MAB | 201906018 | 39 | 2.32 | 73 | 39.85 | 19 | 1.49 | 0.10 | 0.00 | 13 |
| MAB | 201906019 | 39 | 1.93 | 73 | 44.32 | 6 | 0.52 | 0.10 | 0.00 | 17 |
| MAB | 201906020 | 39 | 4.31 | 73 | 46.00 | 4 | 0.32 | 0.01 | 0.00 | 0 |
| MAB | 201906021 | 39 | 8.60 | 73 | 47.02 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906022 | 39 | 7.75 | 73 | 38.23 | 15 | 1.02 | 0.10 | 0.00 | 0 |
| MAB | 201906023 | 39 | 6.81 | 73 | 35.62 | 145 | 11.50 | 1.75 | 0.04 | 7 |
| MAB | 201906024 | 39 | 5.00 | 73 | 37.12 | 256 | 18.57 | 3.00 | 0.05 | 13 |
| MAB | 201906025 | 39 | 4.24 | 73 | 35.94 | 168 | 12.22 | 2.00 | 0.04 | 0 |
| MAB | 201906026 | 39 | 4.39 | 73 | 33.55 | 274 | 19.94 | 3.20 | 0.06 | 0 |
| MAB | 201906027 | 39 | 5.15 | 73 | 30.59 | 378 | 25.30 | 4.50 | 0.08 | 0 |
| MAB | 201906028 | 39 | 7.54 | 73 | 29.52 | 158 | 11.02 | 1.75 | 0.04 | 0 |
| MAB | 201906029 | 39 | 12.61 | 73 | 25.19 | 65 | 4.73 | 0.75 | 0.01 | 0 |
| MAB | 201906030 | 39 | 17.22 | 73 | 39.38 | 0 | 0.01 | 0.10 | 0.00 | 0 |
| MAB | 201906031 | 39 | 18.00 | 73 | 33.25 | 90 | 6.82 | 1.50 | 0.02 | 0 |
| MAB | 201906032 | 39 | 18.50 | 73 | 20.01 | 197 | 16.80 | 2.60 | 0.05 | 7 |
| MAB | 201906033 | 39 | 19.64 | 73 | 21.98 | 230 | 17.36 | 3.50 | 0.05 | 0 |
| MAB | 201906034 | 39 | 22.90 | 73 | 23.94 | 61 | 4.86 | 0.90 | 0.01 | 0 |
| MAB | 201906035 | 39 | 25.02 | 73 | 24.45 | 11 | 0.73 | 0.10 | 0.00 | 0 |
| MAB | 201906036 | 39 | 24.77 | 73 | 18.99 | 282 | 21.29 | 3.80 | 0.07 | 29 |
| MAB | 201906037 | 39 | 25.20 | 73 | 12.80 | 78 | 5.36 | 1.00 | 0.02 | 0 |
| MAB | 201906038 | 39 | 29.58 | 73 | 12.56 | 56 | 4.26 | 0.90 | 0.01 | 0 |
| MAB | 201906039 | 39 | 31.82 | 73 | 15.37 | 31 | 2.33 | 0.40 | 0.01 | 0 |
| MAB | 201906040 | 39 | 35.03 | 73 | 7.27 | 116 | 9.24 | 1.60 | 0.02 | 0 |
| MAB | 201906041 | 39 | 32.76 | 73 | 0.27 | 278 | 17.29 | 3.00 | 0.06 | 0 |
| MAB | 201906042 | 39 | 32.24 | 72 | 57.98 | 250 | 18.00 | 2.75 | 0.05 | 0 |
| MAB | 201906043 | 39 | 33.03 | 72 | 53.66 | 146 | 10.54 | 1.75 | 0.03 | 0 |
| MAB | 201906044 | 39 | 33.99 | 72 | 50.99 | 216 | 14.90 | 2.75 | 0.05 | 0 |
| MAB | 201906045 | 39 | 34.09 | 72 | 43.89 | 356 | 22.21 | 4.75 | 0.08 | 7 |
| MAB | 201906046 | 39 | 33.62 | 72 | 41.47 | 69 | 3.76 | 0.75 | 0.01 | 0 |

Table 2: continued

| Survey | StationID | Latitude (degrees) | Latitude (minutes) | Longitude (degrees) | Longitude (minutes) | Scallops (number) | Scallops (lbs) | Scallops (baskets) | Scallop density (m2) | Nematode Prevalence |
|--------|-----------|-----------------------|-----------------------|------------------------|------------------------|----------------------|-------------------|-----------------------|-------------------------|------------------------|
| MAB | 201906047 | 39 | 36.83 | 72 | 43.07 | 181 | 10.21 | 2.00 | 0.04 | 0 |
| MAB | 201906048 | 39 | 37.09 | 72 | 46.65 | 327 | 19.73 | 4.50 | 0.07 | 0 |
| MAB | 201906049 | 39 | 35.76 | 72 | 55.48 | 218 | 15.19 | 2.50 | 0.05 | 0 |
| MAB | 201906050 | 39 | 36.08 | 72 | 58.03 | 183 | 12.57 | 2.10 | 0.04 | 0 |
| MAB | 201906051 | 39 | 38.00 | 72 | 59.95 | 164 | 12.59 | 2.10 | 0.04 | 7 |
| MAB | 201906052 | 39 | 39.30 | 72 | 55.74 | 328 | 21.19 | 4.00 | 0.07 | 0 |
| MAB | 201906053 | 39 | 40.38 | 72 | 49.60 | 155 | 9.81 | 1.75 | 0.03 | 0 |
| MAB | 201906054 | 39 | 42.33 | 72 | 51.64 | 36 | 2.27 | 0.50 | 0.01 | 0 |
| MAB | 201906055 | 39 | 44.00 | 72 | 57.44 | 267 | 16.87 | 3.10 | 0.06 | 0 |
| MAB | 201906056 | 39 | 45.74 | 73 | 2.36 | 245 | 15.57 | 2.75 | 0.05 | 0 |
| MAB | 201906057 | 39 | 46.64 | 73 | 1.50 | 268 | 18.14 | 3.00 | 0.06 | 7 |
| MAB | 201906058 | 39 | 47.24 | 72 | 43.53 | 182 | 13.94 | 2.40 | 0.04 | 7 |
| MAB | 201906059 | 39 | 46.37 | 72 | 35.84 | 292 | 20.68 | 3.20 | 0.06 | 0 |
| MAB | 201906060 | 39 | 45.82 | 72 | 33.13 | 166 | 10.53 | 2.00 | 0.04 | 0 |
| MAB | 201906061 | 39 | 47.02 | 72 | 30.04 | 2 | 0.08 | 0.10 | 0.00 | 0 |
| MAB | 201906062 | 39 | 49.41 | 72 | 34.03 | 147 | 11.18 | 2.20 | 0.03 | 7 |
| MAB | 201906063 | 39 | 51.58 | 72 | 53.72 | 87 | 7.55 | 1.30 | 0.02 | 0 |
| MAB | 201906064 | 39 | 54.46 | 72 | 54.53 | 136 | 11.09 | 1.80 | 0.03 | 0 |
| MAB | 201906065 | 39 | 54.13 | 72 | 48.88 | 100 | 7.81 | 1.30 | 0.02 | 0 |
| MAB | 201906066 | 39 | 55.29 | 72 | 41.53 | 98 | 8.37 | 1.50 | 0.02 | 0 |
| MAB | 201906067 | 39 | 59.55 | 72 | 44.49 | 102 | 8.39 | 1.50 | 0.02 | 0 |
| MAB | 201906068 | 40 | 0.99 | 72 | 49.32 | 127 | 10.98 | 2.00 | 0.03 | 7 |
| MAB | 201906069 | 40 | 4.40 | 72 | 56.91 | 151 | 12.34 | 2.00 | 0.03 | 0 |
| MAB | 201906070 | 40 | 5.12 | 72 | 49.38 | 137 | 11.86 | 2.00 | 0.03 | 0 |
| MAB | 201906071 | 40 | 6.95 | 72 | 47.66 | 201 | 17.11 | 3.00 | 0.04 | 0 |
| MAB | 201906072 | 40 | 5.28 | 72 | 42.63 | 157 | 12.25 | 2.00 | 0.03 | 0 |
| MAB | 201906073 | 39 | 59.31 | 72 | 22.99 | 4 | 0.21 | 0.10 | 0.00 | 0 |
| MAB | 201906074 | 40 | 4.94 | 72 | 12.40 | 1 | 0.03 | 0.01 | 0.00 | 0 |
| MAB | 201906075 | 40 | 7.43 | 72 | 16.14 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906076 | 40 | 5.93 | 72 | 25.38 | 141 | 9.94 | 1.75 | 0.03 | 0 |
| MAB | 201906077 | 40 | 7.67 | 72 | 24.48 | 41 | 2.99 | 0.75 | 0.01 | 0 |
| MAB | 201906078 | 40 | 10.16 | 72 | 24.34 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906079 | 40 | 10.37 | 72 | 33.85 | 114 | 9.43 | 1.50 | 0.02 | 0 |
| MAB | 201906080 | 40 | 10.02 | 72 | 45.58 | 97 | 8.07 | 1.50 | 0.02 | 0 |
| MAB | 201906081 | 40 | 13.24 | 72 | 49.92 | 249 | 20.12 | 3.10 | 0.05 | 7 |
| MAB | 201906082 | 40 | 14.59 | 72 | 46.84 | 234 | 18.87 | 3.00 | 0.05 | 7 |
| MAB | 201906083 | 40 | 15.82 | 72 | 44.79 | 229 | 17.76 | 3.40 | 0.05 | 0 |
| MAB | 201906084 | 40 | 16.57 | 72 | 38.49 | 139 | 10.58 | 1.80 | 0.03 | 0 |
| MAB | 201906085 | 40 | 17.15 | 72 | 29.74 | 155 | 11.79 | 2.00 | 0.03 | 0 |

Table 2: continued

| Survey | StationID | Latitude (degrees) | Latitude (minutes) | Longitude (degrees) | Longitude (minutes) | Scallops (number) | Scallops (lbs) | Scallops (baskets) | Scallop density (m2) | Nematode Prevalence |
|--------|-----------|-----------------------|-----------------------|------------------------|------------------------|----------------------|-------------------|-----------------------|-------------------------|------------------------|
| MAB | 201906086 | 40 | 16.54 | 72 | 28.20 | 236 | 18.26 | 3.20 | 0.05 | 0 |
| MAB | 201906087 | 40 | 14.65 | 72 | 22.85 | 254 | 20.27 | 3.10 | 0.05 | 0 |
| MAB | 201906088 | 40 | 15.57 | 72 | 18.06 | 210 | 15.01 | 2.50 | 0.05 | 0 |
| MAB | 201906089 | 40 | 13.34 | 72 | 11.53 | 16 | 1.14 | 0.40 | 0.00 | 0 |
| MAB | 201906090 | 40 | 11.05 | 72 | 6.75 | 22 | 1.26 | 0.20 | 0.00 | 13 |
| MAB | 201906091 | 40 | 16.32 | 72 | 3.59 | 228 | 15.37 | 3.00 | 0.05 | 0 |
| MAB | 201906092 | 40 | 18.72 | 72 | 2.46 | 398 | 27.74 | 4.90 | 0.08 | 0 |
| MAB | 201906093 | 40 | 18.47 | 72 | 12.83 | 229 | 16.66 | 3.00 | 0.05 | 0 |
| MAB | 201906094 | 40 | 19.68 | 72 | 27.45 | 247 | 16.72 | 3.00 | 0.05 | 0 |
| MAB | 201906095 | 40 | 20.17 | 72 | 34.98 | 147 | 9.72 | 1.50 | 0.03 | 0 |
| MAB | 201906096 | 40 | 20.81 | 72 | 46.60 | 209 | 14.25 | 2.75 | 0.04 | 0 |
| MAB | 201906097 | 40 | 22.06 | 72 | 49.16 | 304 | 19.04 | 4.00 | 0.07 | 0 |
| MAB | 201906098 | 40 | 24.37 | 72 | 42.12 | 102 | 6.91 | 1.25 | 0.02 | 0 |
| MAB | 201906099 | 40 | 24.50 | 72 | 34.41 | 288 | 18.36 | 3.00 | 0.06 | 0 |
| MAB | 201906100 | 40 | 25.59 | 72 | 33.80 | 236 | 14.80 | 2.75 | 0.05 | 7 |
| MAB | 201906101 | 40 | 26.82 | 72 | 20.07 | 137 | 10.83 | 1.75 | 0.03 | 20 |
| MAB | 201906102 | 40 | 29.29 | 72 | 19.57 | 52 | 3.82 | 0.50 | 0.01 | 0 |
| MAB | 201906103 | 40 | 29.93 | 72 | 2.63 | 183 | 11.71 | 2.00 | 0.04 | 0 |
| MAB | 201906104 | 40 | 28.96 | 71 | 57.99 | 368 | 23.07 | 4.30 | 0.09 | 0 |
| MAB | 201906105 | 40 | 23.69 | 71 | 54.30 | 5 | 0.27 | 0.10 | 0.00 | 0 |
| MAB | 201906106 | 40 | 21.17 | 71 | 53.72 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906107 | 40 | 26.44 | 71 | 46.11 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906108 | 40 | 30.22 | 71 | 45.76 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906109 | 40 | 29.80 | 71 | 38.64 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906110 | 40 | 29.25 | 71 | 33.82 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906111 | 40 | 32.95 | 71 | 39.84 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906112 | 40 | 33.45 | 71 | 49.21 | 5 | 0.26 | 0.10 | 0.00 | 0 |
| MAB | 201906113 | 40 | 38.48 | 71 | 46.27 | 346 | 24.19 | 4.00 | 0.07 | 0 |
| MAB | 201906114 | 40 | 39.01 | 71 | 43.27 | 1 | 0.05 | 0.10 | 0.00 | 0 |
| MAB | 201906115 | 40 | 38.63 | 71 | 39.48 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906116 | 40 | 37.56 | 71 | 35.84 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906117 | 40 | 39.33 | 71 | 35.48 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906118 | 40 | 41.37 | 71 | 37.41 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906119 | 40 | 49.52 | 71 | 50.91 | 82 | 6.28 | 1.00 | 0.02 | 0 |
| MAB | 201906120 | 40 | 51.15 | 71 | 48.61 | 386 | 28.65 | 4.00 | 0.09 | 0 |
| MAB | 201906121 | 40 | 53.24 | 71 | 46.35 | 295 | 23.30 | 3.50 | 0.06 | 7 |
| MAB | 201906122 | 40 | 53.82 | 71 | 36.36 | 320 | 22.39 | 4.00 | 0.07 | 0 |
| MAB | 201906123 | 40 | 56.73 | 71 | 39.86 | 360 | 23.54 | 4.25 | 0.08 | 0 |
| MAB | 201906124 | 40 | 58.87 | 71 | 36.56 | 146 | 11.73 | 1.50 | 0.04 | 0 |

Table 2: continued

| Survey | StationID | Latitude (degrees) | Latitude (minutes) | Longitude (degrees) | Longitude (minutes) | Scallops (number) | Scallops (lbs) | Scallops (baskets) | Scallop density (m2) | Nematode Prevalence |
|--------|-----------|-----------------------|-----------------------|------------------------|------------------------|----------------------|-------------------|-----------------------|-------------------------|------------------------|
| MAB | 201906125 | 41 | 0.96 | 71 | 31.51 | 124 | 9.73 | 1.50 | 0.03 | 0 |
| MAB | 201906126 | 41 | 2.17 | 71 | 20.94 | 12 | 0.92 | 0.10 | 0.00 | 0 |
| MAB | 201906128 | 41 | 3.47 | 71 | 33.38 | 31 | 2.29 | 0.25 | 0.01 | 0 |
| MAB | 201906129 | 41 | 1.19 | 71 | 42.36 | 6 | 0.38 | 0.10 | 0.00 | 0 |
| MAB | 201906130 | 41 | 0.43 | 71 | 45.31 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906131 | 40 | 55.96 | 71 | 50.93 | 7 | 0.50 | 0.10 | 0.00 | 0 |
| MAB | 201906132 | 40 | 55.31 | 71 | 58.36 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906133 | 40 | 51.11 | 72 | 14.28 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906134 | 40 | 47.90 | 72 | 5.68 | 216 | 14.64 | 2.30 | 0.05 | 0 |
| MAB | 201906135 | 40 | 46.46 | 71 | 59.81 | 258 | 17.50 | 2.80 | 0.06 | 0 |
| MAB | 201906136 | 40 | 44.14 | 71 | 55.44 | 295 | 20.00 | 3.40 | 0.06 | 0 |
| MAB | 201906137 | 40 | 40.22 | 71 | 58.49 | 182 | 13.68 | 2.00 | 0.04 | 0 |
| MAB | 201906138 | 40 | 43.06 | 72 | 2.74 | 226 | 15.69 | 2.50 | 0.05 | 0 |
| MAB | 201906139 | 40 | 43.68 | 72 | 8.60 | 16 | 1.23 | 0.20 | 0.00 | 0 |
| MAB | 201906140 | 40 | 41.27 | 72 | 7.21 | 28 | 2.16 | 0.40 | 0.01 | 0 |
| MAB | 201906141 | 40 | 40.15 | 72 | 10.91 | 4 | 0.31 | 0.10 | 0.00 | 0 |
| MAB | 201906142 | 40 | 39.09 | 72 | 16.40 | 4 | 0.27 | 0.10 | 0.00 | 0 |
| MAB | 201906143 | 40 | 40.80 | 72 | 18.46 | 42 | 2.86 | 0.25 | 0.01 | 7 |
| MAB | 201906144 | 40 | 44.29 | 72 | 26.17 | 0 | 0.00 | 0.10 | 0.00 | 0 |
| MAB | 201906145 | 40 | 44.63 | 72 | 35.23 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906146 | 40 | 42.91 | 72 | 38.17 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906147 | 40 | 36.33 | 72 | 37.34 | 4 | 0.27 | 0.10 | 0.00 | 0 |
| MAB | 201906148 | 40 | 34.85 | 72 | 34.45 | 20 | 1.67 | 0.25 | 0.00 | 0 |
| MAB | 201906149 | 40 | 34.62 | 72 | 31.78 | 59 | 4.42 | 0.75 | 0.01 | 0 |
| MAB | 201906150 | 40 | 34.69 | 72 | 26.11 | 72 | 4.82 | 0.75 | 0.02 | 0 |
| MAB | 201906151 | 40 | 36.50 | 72 | 21.28 | 38 | 2.75 | 0.50 | 0.01 | 0 |
| MAB | 201906152 | 40 | 34.27 | 72 | 19.33 | 19 | 1.39 | 0.10 | 0.00 | 0 |
| MAB | 201906153 | 40 | 32.87 | 72 | 23.21 | 33 | 2.17 | 0.50 | 0.01 | 7 |
| MAB | 201906154 | 40 | 30.49 | 72 | 40.71 | 63 | 5.10 | 0.75 | 0.02 | 0 |
| MAB | 201906155 | 40 | 34.47 | 72 | 44.88 | 2 | 0.20 | 0.10 | 0.00 | 0 |
| MAB | 201906156 | 40 | 37.36 | 72 | 47.73 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906157 | 40 | 39.02 | 72 | 50.15 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906158 | 40 | 33.44 | 72 | 48.04 | 3 | 0.18 | 0.10 | 0.00 | 0 |
| MAB | 201906159 | 40 | 30.61 | 72 | 47.01 | 42 | 3.63 | 0.50 | 0.01 | 0 |
| MAB | 201906160 | 40 | 28.49 | 72 | 52.46 | 23 | 1.83 | 0.40 | 0.00 | 0 |
| MAB | 201906161 | 40 | 26.93 | 72 | 55.74 | 27 | 2.34 | 0.50 | 0.01 | 0 |
| MAB | 201906162 | 40 | 30.99 | 73 | 5.62 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906163 | 40 | 29.46 | 73 | 11.33 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906164 | 40 | 23.99 | 73 | 6.27 | 2 | 0.13 | 0.10 | 0.00 | 0 |

Table 2: continued

| Survey | StationID | Latitude (degrees) | Latitude (minutes) | Longitude (degrees) | Longitude (minutes) | Scallops (number) | Scallops (lbs) | Scallops (baskets) | Scallop density (m2) | Nematode Prevalence |
|--------|-----------|-----------------------|-----------------------|------------------------|------------------------|----------------------|-------------------|-----------------------|-------------------------|------------------------|
| MAB | 201906165 | 40 | 21.90 | 72 | 58.82 | 162 | 13.62 | 2.00 | 0.03 | 0 |
| MAB | 201906166 | 40 | 20.95 | 72 | 59.26 | 70 | 5.61 | 0.90 | 0.01 | 0 |
| MAB | 201906167 | 40 | 18.90 | 73 | 2.41 | 142 | 11.05 | 1.50 | 0.03 | 0 |
| MAB | 201906168 | 40 | 20.03 | 73 | 4.37 | 55 | 4.73 | 0.90 | 0.01 | 0 |
| MAB | 201906169 | 40 | 21.51 | 73 | 8.78 | 2 | 0.15 | 0.10 | 0.00 | 0 |
| MAB | 201906170 | 40 | 22.18 | 73 | 15.44 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906171 | 40 | 21.71 | 73 | 17.92 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906172 | 40 | 22.60 | 73 | 25.59 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906173 | 40 | 18.75 | 73 | 30.32 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906174 | 40 | 16.46 | 73 | 17.28 | 19 | 1.58 | 0.10 | 0.00 | 0 |
| MAB | 201906175 | 40 | 15.97 | 73 | 9.47 | 47 | 3.79 | 0.75 | 0.01 | 0 |
| MAB | 201906176 | 40 | 14.20 | 73 | 3.49 | 96 | 7.17 | 1.10 | 0.02 | 0 |
| MAB | 201906177 | 40 | 11.75 | 73 | 0.80 | 95 | 7.25 | 1.10 | 0.02 | 0 |
| MAB | 201906178 | 40 | 10.16 | 72 | 57.96 | 203 | 15.04 | 3.00 | 0.05 | 0 |
| MAB | 201906179 | 40 | 7.87 | 72 | 59.29 | 173 | 12.78 | 2.00 | 0.04 | 7 |
| MAB | 201906180 | 40 | 7.62 | 73 | 5.54 | 99 | 7.75 | 1.10 | 0.02 | 0 |
| MAB | 201906181 | 40 | 10.55 | 73 | 12.53 | 29 | 1.86 | 0.50 | 0.01 | 0 |
| MAB | 201906182 | 40 | 12.36 | 73 | 15.06 | 10 | 1.08 | 0.10 | 0.00 | 0 |
| MAB | 201906183 | 40 | 13.98 | 73 | 24.55 | 2 | 0.24 | 0.10 | 0.00 | 0 |
| MAB | 201906184 | 40 | 14.65 | 73 | 38.31 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906185 | 40 | 16.00 | 73 | 42.42 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906186 | 40 | 12.29 | 73 | 44.62 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906187 | 40 | 11.43 | 73 | 40.36 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906188 | 40 | 6.58 | 73 | 34.43 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906189 | 40 | 9.66 | 73 | 32.51 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906190 | 40 | 9.22 | 73 | 20.32 | 9 | 0.92 | 0.10 | 0.00 | 0 |
| MAB | 201906191 | 40 | 7.36 | 73 | 22.62 | 7 | 0.61 | 0.10 | 0.00 | 0 |
| MAB | 201906192 | 40 | 5.48 | 73 | 23.50 | 12 | 1.22 | 0.10 | 0.00 | 0 |
| MAB | 201906193 | 40 | 4.10 | 73 | 13.79 | 132 | 10.10 | 1.50 | 0.03 | 0 |
| MAB | 201906195 | 40 | 4.93 | 73 | 6.41 | 161 | 12.38 | 2.00 | 0.03 | 0 |
| MAB | 201906196 | 40 | 4.06 | 73 | 4.94 | 119 | 8.91 | 1.50 | 0.03 | 0 |
| MAB | 201906197 | 40 | 1.48 | 73 | 1.09 | 157 | 13.01 | 1.90 | 0.03 | 0 |
| MAB | 201906198 | 39 | 58.37 | 73 | 4.52 | 65 | 5.55 | 1.00 | 0.01 | 0 |
| MAB | 201906199 | 39 | 56.78 | 73 | 16.84 | 1 | 0.04 | 0.01 | 0.00 | 0 |
| MAB | 201906200 | 40 | 0.52 | 73 | 21.04 | 15 | 1.40 | 0.10 | 0.00 | 0 |
| MAB | 201906201 | 39 | 59.71 | 73 | 27.71 | 18 | 1.22 | 0.10 | 0.00 | 0 |
| MAB | 201906202 | 39 | 58.86 | 73 | 34.50 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906203 | 39 | 59.91 | 73 | 43.36 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906204 | 39 | 58.42 | 73 | 46.12 | 0 | 0.00 | 0.00 | 0.00 | 0 |

Table 2: continued

| Survey | StationID | Latitude (degrees) | Latitude (minutes) | Longitude (degrees) | Longitude (minutes) | Scallops (number) | Scallops (lbs) | Scallops (baskets) | Scallop density (m2) | Nematode Prevalence |
|--------|-----------|-----------------------|-----------------------|------------------------|------------------------|----------------------|-------------------|-----------------------|-------------------------|------------------------|
| MAB | 201906205 | 39 | 55.39 | 73 | 42.57 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906206 | 39 | 51.82 | 73 | 36.99 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906207 | 39 | 53.98 | 73 | 32.29 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| MAB | 201906208 | 39 | 55.30 | 73 | 28.46 | 12 | 0.78 | 0.10 | 0.00 | 0 |
| MAB | 201906209 | 39 | 49.74 | 73 | 25.66 | 13 | 0.70 | 0.10 | 0.00 | 0 |
| MAB | 201906210 | 39 | 49.16 | 73 | 22.65 | 67 | 3.89 | 0.75 | 0.02 | 0 |
| MAB | 201906211 | 39 | 51.75 | 73 | 11.13 | 494 | 28.04 | 6.50 | 0.11 | 0 |
| MAB | 201906212 | 39 | 52.20 | 73 | 7.47 | 161 | 11.69 | 2.00 | 0.03 | 7 |
| MAB | 201906213 | 39 | 51.69 | 73 | 3.78 | 11 | 1.06 | 0.10 | 0.00 | 0 |
| MAB | 201906214 | 39 | 48.44 | 73 | 2.86 | 292 | 19.52 | 3.50 | 0.06 | 0 |
| MAB | 201906215 | 39 | 48.48 | 73 | 6.43 | 270 | 14.61 | 3.00 | 0.06 | 0 |
| MAB | 201906216 | 39 | 47.71 | 73 | 9.13 | 131 | 9.77 | 1.50 | 0.03 | 0 |
| MAB | 201906217 | 39 | 46.43 | 73 | 11.66 | 243 | 15.53 | 2.50 | 0.05 | 0 |
| MAB | 201906218 | 39 | 45.86 | 73 | 13.29 | 161 | 11.62 | 2.00 | 0.03 | 0 |
| MAB | 201906219 | 39 | 45.42 | 73 | 9.05 | 337 | 25.23 | 4.20 | 0.07 | 0 |
| MAB | 201906220 | 39 | 41.52 | 73 | 10.75 | 171 | 11.82 | 2.00 | 0.04 | 0 |
| MAB | 201906221 | 39 | 39.78 | 73 | 17.94 | 122 | 8.79 | 1.50 | 0.03 | 0 |
| MAB | 201906222 | 39 | 39.71 | 73 | 20.60 | 9 | 0.62 | 0.10 | 0.00 | 0 |
| MAB | 201906223 | 39 | 38.14 | 73 | 29.25 | 2 | 0.09 | 0.10 | 0.00 | 0 |
| MAB | 201906224 | 39 | 36.62 | 73 | 17.94 | 55 | 3.80 | 0.70 | 0.01 | 0 |
| MAB | 201906225 | 39 | 35.92 | 73 | 18.34 | 75 | 5.43 | 1.00 | 0.02 | 0 |
| MAB | 201906226 | 39 | 30.61 | 73 | 24.27 | 17 | 1.21 | 0.20 | 0.00 | 0 |
| CAI_II | 201907001 | 41 | 3.35 | 69 | 0.24 | 69 | 6.84 | 1.00 | 0.02 | 0 |
| CAI_II | 201907002 | 41 | 2.29 | 68 | 57.80 | 63 | 6.86 | 1.10 | 0.02 | 0 |
| CAI_II | 201907003 | 41 | 0.84 | 68 | 56.39 | 16 | 1.79 | 0.30 | 0.00 | 0 |
| CAI_II | 201907004 | 40 | 59.37 | 68 | 56.13 | 237 | 30.66 | 4.30 | 0.05 | 0 |
| CAI_II | 201907005 | 40 | 57.90 | 68 | 55.71 | 61 | 7.21 | 1.00 | 0.02 | 0 |
| CAI_II | 201907006 | 40 | 55.65 | 68 | 53.11 | 16 | 1.82 | 0.20 | 0.00 | 0 |
| CAI_II | 201907007 | 40 | 57.21 | 68 | 52.23 | 25 | 2.91 | 0.50 | 0.01 | 0 |
| CAI_II | 201907008 | 40 | 57.94 | 68 | 50.15 | 17 | 1.58 | 0.25 | 0.00 | 0 |
| CAI_II | 201907009 | 40 | 59.92 | 68 | 47.90 | 2 | 0.25 | 0.10 | 0.00 | 0 |
| CAI_II | 201907010 | 41 | 0.85 | 68 | 49.82 | 188 | 21.74 | 3.20 | 0.05 | 0 |
| CAI_II | 201907011 | 41 | 3.91 | 68 | 55.04 | 67 | 9.58 | 1.10 | 0.02 | 0 |
| CAI_II | 201907012 | 41 | 4.43 | 68 | 50.62 | 11 | 1.28 | 0.10 | 0.00 | 0 |
| CAI_II | 201907013 | 41 | 8.50 | 68 | 44.57 | 18 | 2.16 | 0.20 | 0.01 | 0 |
| CAI_II | 201907014 | 41 | 10.92 | 68 | 39.27 | 4 | 0.38 | 0.10 | 0.00 | 0 |
| CAI_II | 201907015 | 41 | 7.65 | 68 | 39.88 | 36 | 3.47 | 0.50 | 0.01 | 0 |
| CAI_II | 201907016 | 41 | 5.37 | 68 | 37.59 | 1 | 0.08 | 0.10 | 0.00 | 0 |
| CAI_II | 201907017 | 41 | 5.95 | 68 | 34.71 | 0 | 0.00 | 0.00 | 0.00 | 0 |

Table 2: continued

| Survey | StationID | Latitude (degrees) | Latitude (minutes) | Longitude (degrees) | Longitude (minutes) | Scallops (number) | Scallops (lbs) | Scallops (baskets) | Scallop density (m2) | Nematode Prevalence |
|--------|-----------|-----------------------|-----------------------|------------------------|------------------------|----------------------|-------------------|-----------------------|-------------------------|------------------------|
| CAI_II | 201907018 | 41 | 6.04 | 68 | 32.65 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907019 | 41 | 3.86 | 68 | 31.35 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907020 | 41 | 2.09 | 68 | 32.33 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907021 | 41 | 0.32 | 68 | 36.58 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907022 | 40 | 57.63 | 68 | 38.76 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907023 | 40 | 57.82 | 68 | 34.70 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907024 | 40 | 40.26 | 67 | 58.98 | 291 | 28.07 | 3.00 | 0.08 | 0 |
| CAI_II | 201907025 | 40 | 32.63 | 67 | 58.26 | 4 | 0.27 | 0.10 | 0.00 | 0 |
| CAI_II | 201907026 | 40 | 31.24 | 67 | 52.33 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907027 | 40 | 33.11 | 67 | 50.25 | 1 | 0.15 | 0.10 | 0.00 | 0 |
| CAI_II | 201907028 | 40 | 37.10 | 67 | 52.19 | 74 | 4.39 | 0.75 | 0.02 | 0 |
| CAI_II | 201907029 | 40 | 38.95 | 67 | 49.61 | 340 | 26.38 | 3.80 | 0.09 | 0 |
| CAI_II | 201907030 | 40 | 41.87 | 67 | 54.71 | 123 | 11.47 | 1.50 | 0.03 | 0 |
| CAI_II | 201907031 | 40 | 42.25 | 67 | 45.91 | 82 | 7.52 | 1.00 | 0.02 | 0 |
| CAI_II | 201907032 | 40 | 42.39 | 67 | 39.91 | 201 | 15.15 | 1.90 | 0.05 | 0 |
| CAI_II | 201907033 | 40 | 44.50 | 67 | 37.11 | 388 | 29.51 | 4.00 | 0.10 | 0 |
| CAI_II | 201907034 | 40 | 37.32 | 67 | 41.29 | 413 | 39.63 | 4.00 | 0.10 | 0 |
| CAI_II | 201907035 | 40 | 35.11 | 67 | 37.88 | 15 | 0.96 | 0.10 | 0.00 | 0 |
| CAI_II | 201907036 | 40 | 34.61 | 67 | 34.61 | 4 | 0.23 | 0.10 | 0.00 | 0 |
| CAI_II | 201907037 | 40 | 34.03 | 67 | 30.16 | 6 | 0.41 | 0.10 | 0.00 | 0 |
| CAI_II | 201907038 | 40 | 34.71 | 67 | 23.37 | 1 | 0.06 | 0.10 | 0.00 | 0 |
| CAI_II | 201907039 | 40 | 36.33 | 67 | 26.50 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907040 | 40 | 40.36 | 67 | 26.47 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907041 | 40 | 41.14 | 67 | 22.10 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907042 | 40 | 42.40 | 67 | 29.00 | 567 | 33.39 | 5.80 | 0.15 | 0 |
| CAI_II | 201907043 | 40 | 45.13 | 67 | 31.73 | 1184 | 72.82 | 6.00 | 0.31 | 0 |
| CAI_II | 201907044 | 40 | 49.60 | 67 | 34.99 | 339 | 26.56 | 2.50 | 0.10 | 0 |
| CAI_II | 201907045 | 40 | 46.32 | 67 | 25.28 | 892 | 57.70 | 7.75 | 0.23 | 0 |
| CAI_II | 201907046 | 40 | 47.19 | 67 | 21.80 | 1284 | 91.11 | 12.00 | 0.34 | 0 |
| CAI_II | 201907047 | 40 | 45.16 | 67 | 18.69 | 5 | 0.30 | 0.10 | 0.00 | 0 |
| CAI_II | 201907048 | 40 | 45.07 | 67 | 15.12 | 1 | 0.09 | 0.10 | 0.00 | 0 |
| CAI_II | 201907049 | 40 | 41.35 | 67 | 14.93 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907050 | 40 | 38.84 | 67 | 15.14 | 0 | 0.00 | 0.10 | 0.00 | 0 |
| CAI_II | 201907051 | 40 | 40.08 | 67 | 11.01 | 1 | 0.03 | 0.10 | 0.00 | 0 |
| CAI_II | 201907052 | 40 | 40.53 | 67 | 8.05 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907053 | 40 | 44.19 | 67 | 9.93 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907054 | 40 | 43.92 | 67 | 6.23 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907055 | 40 | 43.11 | 67 | 3.17 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907056 | 40 | 44.56 | 67 | 3.55 | 0 | 0.00 | 0.00 | 0.00 | 0 |

Table 2: continued

| Survey | StationID | Latitude (degrees) | Latitude (minutes) | Longitude (degrees) | Longitude (minutes) | Scallops (number) | Scallops (lbs) | Scallops (baskets) | Scallop density (m2) | Nematode Prevalence |
|--------|-----------|-----------------------|-----------------------|------------------------|------------------------|----------------------|-------------------|-----------------------|-------------------------|------------------------|
| CAI_II | 201907057 | 40 | 47.63 | 67 | 3.28 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907058 | 40 | 50.75 | 67 | 4.38 | 715 | 50.11 | 7.25 | 0.21 | 0 |
| CAI_II | 201907059 | 40 | 51.32 | 67 | 15.27 | 170 | 15.37 | 1.40 | 0.04 | 0 |
| CAI_II | 201907060 | 40 | 55.81 | 67 | 23.08 | 224 | 20.03 | 2.00 | 0.06 | 0 |
| CAI_II | 201907061 | 40 | 55.08 | 67 | 11.98 | 349 | 31.84 | 3.75 | 0.09 | 0 |
| CAI_II | 201907062 | 40 | 55.20 | 67 | 2.49 | 464 | 34.32 | 6.00 | 0.12 | 0 |
| CAI_II | 201907063 | 40 | 53.43 | 66 | 56.89 | 160 | 10.70 | 2.00 | 0.04 | 0 |
| CAI_II | 201907064 | 40 | 52.24 | 66 | 56.43 | 894 | 57.21 | 12.00 | 0.23 | 0 |
| CAI_II | 201907065 | 40 | 48.76 | 66 | 55.95 | 2 | 0.12 | 0.10 | 0.00 | 0 |
| CAI_II | 201907066 | 40 | 50.37 | 66 | 51.82 | 11 | 0.83 | 0.10 | 0.00 | 0 |
| CAI_II | 201907067 | 40 | 51.43 | 66 | 48.37 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907068 | 40 | 52.36 | 66 | 52.04 | 278 | 15.15 | 2.70 | 0.06 | 0 |
| CAI_II | 201907069 | 40 | 54.36 | 66 | 53.38 | 256 | 22.44 | 3.00 | 0.07 | 0 |
| CAI_II | 201907070 | 40 | 55.75 | 66 | 57.92 | 417 | 33.05 | 4.60 | 0.11 | 0 |
| CAI_II | 201907071 | 40 | 56.64 | 67 | 0.92 | 282 | 20.14 | 3.00 | 0.07 | 0 |
| CAI_II | 201907072 | 40 | 59.18 | 67 | 9.21 | 155 | 13.09 | 2.00 | 0.04 | 0 |
| CAI_II | 201907073 | 40 | 59.26 | 67 | 14.37 | 93 | 8.64 | 1.30 | 0.02 | 0 |
| CAI_II | 201907074 | 41 | 5.92 | 67 | 19.36 | 12 | 1.25 | 0.10 | 0.00 | 0 |
| CAI_II | 201907075 | 41 | 3.14 | 67 | 14.51 | 15 | 2.15 | 0.20 | 0.00 | 0 |
| CAI_II | 201907076 | 41 | 2.78 | 67 | 10.15 | 85 | 10.08 | 1.30 | 0.02 | 0 |
| CAI_II | 201907077 | 41 | 2.29 | 67 | 6.75 | 109 | 12.49 | 1.20 | 0.03 | 0 |
| CAI_II | 201907078 | 40 | 56.92 | 66 | 55.41 | 326 | 25.76 | 2.75 | 0.11 | 0 |
| CAI_II | 201907079 | 40 | 55.04 | 66 | 48.42 | 714 | 43.30 | 7.00 | 0.25 | 0 |
| CAI_II | 201907080 | 40 | 54.64 | 66 | 44.73 | 24 | 2.01 | 0.20 | 0.01 | 0 |
| CAI_II | 201907081 | 40 | 56.24 | 66 | 43.74 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907082 | 40 | 58.05 | 66 | 43.05 | 21 | 1.73 | 0.20 | 0.01 | 0 |
| CAI_II | 201907083 | 40 | 59.33 | 66 | 43.58 | 201 | 15.72 | 2.00 | 0.05 | 0 |
| CAI_II | 201907084 | 40 | 58.38 | 66 | 47.93 | 201 | 15.54 | 2.00 | 0.05 | 0 |
| CAI_II | 201907085 | 40 | 59.15 | 66 | 50.36 | 104 | 8.46 | 1.00 | 0.03 | 0 |
| CAI_II | 201907086 | 40 | 58.52 | 66 | 52.67 | 137 | 10.53 | 1.25 | 0.03 | 0 |
| CAI_II | 201907087 | 41 | 4.04 | 67 | 1.27 | 84 | 11.08 | 1.20 | 0.02 | 0 |
| CAI_II | 201907088 | 41 | 8.74 | 67 | 5.56 | 51 | 7.45 | 0.75 | 0.02 | 0 |
| CAI_II | 201907089 | 41 | 9.84 | 67 | 9.87 | 5 | 0.70 | 0.10 | 0.00 | 0 |
| CAI_II | 201907090 | 41 | 10.15 | 67 | 16.32 | 3 | 0.48 | 0.10 | 0.00 | 0 |
| CAI_II | 201907091 | 41 | 14.41 | 67 | 17.87 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907092 | 41 | 16.73 | 67 | 15.43 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907093 | 41 | 14.08 | 67 | 14.29 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907094 | 41 | 13.39 | 67 | 8.76 | 1 | 0.15 | 1.00 | 0.00 | 0 |
| CAI_II | 201907095 | 41 | 11.56 | 66 | 54.97 | 75 | 10.05 | 1.30 | 0.02 | 0 |

Table 2: continued

| Survey | StationID | Latitude (degrees) | Latitude (minutes) | Longitude (degrees) | Longitude (minutes) | Scallops (number) | Scallops (lbs) | Scallops (baskets) | Scallop density (m2) | Nematode Prevalence |
|--------|-----------|-----------------------|-----------------------|------------------------|------------------------|----------------------|-------------------|-----------------------|-------------------------|------------------------|
| CAI_II | 201907096 | 41 | 6.63 | 66 | 55.58 | 89 | 11.84 | 1.50 | 0.02 | 0 |
| CAI_II | 201907097 | 41 | 6.09 | 66 | 52.00 | 126 | 15.02 | 2.00 | 0.03 | 0 |
| CAI_II | 201907098 | 41 | 2.60 | 66 | 53.17 | 459 | 42.63 | 5.00 | 0.12 | 0 |
| CAI_II | 201907099 | 41 | 1.31 | 66 | 50.57 | 380 | 37.01 | 4.60 | 0.10 | 0 |
| CAI_II | 201907100 | 41 | 1.30 | 66 | 47.43 | 1010 | 100.53 | 11.00 | 0.23 | 0 |
| CAI_II | 201907101 | 41 | 1.18 | 66 | 42.22 | 663 | 75.68 | 8.00 | 0.17 | 0 |
| CAI_II | 201907102 | 41 | 0.25 | 66 | 38.49 | 11 | 0.87 | 0.10 | 0.00 | 0 |
| CAI_II | 201907103 | 41 | 0.98 | 66 | 35.74 | 92 | 5.64 | 1.00 | 0.02 | 0 |
| CAI_II | 201907104 | 41 | 2.98 | 66 | 35.03 | 1312 | 89.74 | 16.00 | 0.34 | 0 |
| CAI_II | 201907105 | 41 | 5.32 | 66 | 37.07 | 2202 | 184.10 | 30.00 | 0.51 | 0 |
| CAI_II | 201907106 | 41 | 3.85 | 66 | 39.03 | 1073 | 95.61 | 16.00 | 0.28 | 0 |
| CAI_II | 201907107 | 41 | 5.57 | 66 | 42.14 | 308 | 29.03 | 3.85 | 0.07 | 0 |
| CAI_II | 201907108 | 41 | 4.07 | 66 | 45.31 | 358 | 33.46 | 4.20 | 0.09 | 0 |
| CAI_II | 201907109 | 41 | 9.78 | 66 | 50.33 | 119 | 14.05 | 1.80 | 0.03 | 0 |
| CAI_II | 201907110 | 41 | 8.58 | 66 | 43.57 | 284 | 24.73 | 3.00 | 0.07 | 0 |
| CAI_II | 201907111 | 41 | 9.20 | 66 | 40.43 | 286 | 26.13 | 3.00 | 0.09 | 0 |
| CAI_II | 201907112 | 41 | 7.27 | 66 | 36.89 | 1930 | 168.77 | 23.75 | 0.50 | 0 |
| CAI_II | 201907113 | 41 | 6.76 | 66 | 33.29 | 1388 | 93.88 | 13.25 | 0.36 | 0 |
| CAI_II | 201907114 | 41 | 7.16 | 66 | 29.88 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907115 | 41 | 8.08 | 66 | 28.28 | 56 | 2.56 | 0.40 | 0.02 | 0 |
| CAI_II | 201907116 | 41 | 10.37 | 66 | 30.14 | 1356 | 110.82 | 12.60 | 0.40 | 0 |
| CAI_II | 201907117 | 41 | 11.22 | 66 | 33.52 | 1416 | 132.84 | 16.20 | 0.37 | 0 |
| CAI_II | 201907118 | 41 | 11.11 | 66 | 37.68 | 343 | 27.35 | 3.40 | 0.09 | 0 |
| CAI_II | 201907119 | 41 | 12.54 | 66 | 41.81 | 104 | 10.80 | 1.40 | 0.03 | 0 |
| CAI_II | 201907120 | 41 | 13.22 | 66 | 45.44 | 60 | 6.69 | 0.90 | 0.02 | 0 |
| CAI_II | 201907121 | 41 | 14.98 | 66 | 49.45 | 24 | 2.78 | 0.40 | 0.01 | 0 |
| CAI_II | 201907122 | 41 | 15.76 | 66 | 43.18 | 51 | 5.73 | 0.80 | 0.01 | 0 |
| CAI_II | 201907123 | 41 | 13.93 | 66 | 36.82 | 120 | 10.10 | 1.30 | 0.03 | 0 |
| CAI_II | 201907124 | 41 | 14.90 | 66 | 33.61 | 1393 | 101.99 | 15.80 | 0.36 | 0 |
| CAI_II | 201907125 | 41 | 13.41 | 66 | 31.12 | 1448 | 106.13 | 15.00 | 0.38 | 0 |
| CAI_II | 201907126 | 41 | 14.07 | 66 | 27.59 | 1718 | 95.88 | 17.50 | 0.45 | 0 |
| CAI_II | 201907127 | 41 | 13.73 | 66 | 24.21 | 353 | 20.26 | 4.00 | 0.09 | 0 |
| CAI_II | 201907128 | 41 | 15.06 | 66 | 23.74 | 840 | 44.33 | 8.00 | 0.19 | 0 |
| CAI_II | 201907129 | 41 | 16.91 | 66 | 24.86 | 1213 | 92.84 | 12.00 | 0.28 | 0 |
| CAI_II | 201907130 | 41 | 17.81 | 66 | 26.94 | 564 | 38.77 | 5.00 | 0.13 | 0 |
| CAI_II | 201907131 | 41 | 16.56 | 66 | 29.88 | 744 | 51.01 | 14.00 | 0.16 | 0 |
| CAI_II | 201907132 | 41 | 18.22 | 66 | 38.84 | 110 | 10.28 | 1.50 | 0.03 | 0 |
| CAI_II | 201907133 | 41 | 18.83 | 66 | 46.45 | 52 | 6.24 | 1.00 | 0.01 | 0 |
| CAI_II | 201907134 | 41 | 20.65 | 66 | 44.25 | 56 | 8.41 | 1.00 | 0.01 | 0 |

Table 2: continued

| Survey | StationID | Latitude (degrees) | Latitude (minutes) | Longitude (degrees) | Longitude (minutes) | Scallops (number) | Scallops (lbs) | Scallops (baskets) | Scallop density (m2) | Nematode Prevalence |
|--------|-----------|-----------------------|-----------------------|------------------------|------------------------|----------------------|-------------------|-----------------------|-------------------------|------------------------|
| CAI_II | 201907135 | 41 | 22.88 | 66 | 47.41 | 77 | 10.02 | 1.30 | 0.02 | 0 |
| CAI_II | 201907136 | 41 | 22.65 | 66 | 40.08 | 77 | 8.76 | 1.20 | 0.02 | 0 |
| CAI_II | 201907137 | 41 | 19.97 | 66 | 35.55 | 378 | 37.36 | 5.00 | 0.10 | 0 |
| CAI_II | 201907138 | 41 | 21.70 | 66 | 31.81 | 662 | 69.24 | 13.00 | 0.15 | 0 |
| CAI_II | 201907139 | 41 | 21.15 | 66 | 28.49 | 1467 | 98.61 | 14.00 | 0.34 | 0 |
| CAI_II | 201907140 | 41 | 24.96 | 66 | 31.58 | 341 | 37.15 | 6.00 | 0.09 | 0 |
| CAI_II | 201907141 | 41 | 25.22 | 66 | 34.48 | 427 | 35.24 | 9.00 | 0.11 | 0 |
| CAI_II | 201907142 | 41 | 25.67 | 66 | 38.22 | 181 | 17.46 | 3.25 | 0.05 | 0 |
| CAI_II | 201907143 | 41 | 29.04 | 66 | 36.17 | 164 | 15.16 | 3.50 | 0.04 | 0 |
| CAI_II | 201907144 | 41 | 29.71 | 66 | 40.16 | 17 | 1.75 | 0.40 | 0.00 | 0 |
| CAI_II | 201907145 | 41 | 25.73 | 66 | 41.25 | 62 | 7.43 | 1.50 | 0.02 | 0 |
| CAI_II | 201907146 | 41 | 26.18 | 66 | 43.93 | 135 | 16.80 | 2.75 | 0.03 | 0 |
| CAI_II | 201907147 | 41 | 24.43 | 66 | 47.96 | 26 | 4.41 | 0.40 | 0.01 | 0 |
| CAI_II | 201907148 | 41 | 25.09 | 66 | 52.66 | 3 | 0.33 | 0.10 | 0.00 | 0 |
| CAI_II | 201907149 | 41 | 25.44 | 66 | 57.72 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907150 | 41 | 21.69 | 67 | 4.18 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907151 | 41 | 21.26 | 67 | 16.53 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907152 | 41 | 25.15 | 67 | 16.98 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907153 | 41 | 29.06 | 67 | 14.23 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| CAI_II | 201907154 | 41 | 27.53 | 68 | 31.63 | 10 | 1.73 | 0.20 | 0.00 | 0 |
| CAI_II | 201907155 | 41 | 27.11 | 68 | 34.33 | 152 | 16.19 | 3.10 | 0.04 | 0 |
| CAI_II | 201907156 | 41 | 29.24 | 68 | 36.37 | 351 | 27.42 | 6.00 | 0.09 | 0 |
| CAI_II | 201907157 | 41 | 27.92 | 68 | 37.59 | 874 | 92.17 | 14.00 | 0.23 | 0 |
| CAI_II | 201907158 | 41 | 27.68 | 68 | 39.76 | 1387 | 91.33 | 20.00 | 0.32 | 0 |
| CAI_II | 201907159 | 41 | 26.70 | 68 | 40.56 | 2445 | 183.24 | 36.00 | 0.64 | 0 |
| CAI_II | 201907160 | 41 | 25.42 | 68 | 42.13 | 235 | 16.08 | 2.00 | 0.05 | 0 |
| CAI_II | 201907161 | 41 | 22.61 | 68 | 38.18 | 84 | 7.90 | 1.50 | 0.02 | 0 |
| CAI_II | 201907162 | 41 | 22.42 | 68 | 36.21 | 60 | 7.33 | 1.50 | 0.02 | 0 |
| CAI_II | 201907163 | 41 | 20.38 | 68 | 32.30 | 14 | 1.58 | 0.33 | 0.00 | 0 |
| CAI_II | 201907164 | 41 | 18.89 | 68 | 31.42 | 5 | 0.63 | 0.10 | 0.00 | 0 |
| CAI_II | 201907165 | 41 | 20.86 | 68 | 40.76 | 40 | 4.85 | 1.30 | 0.01 | 0 |
| CAI_II | 201907166 | 41 | 18.45 | 68 | 50.42 | 2884 | 177.21 | 43.00 | 0.75 | 0 |
| CAI_II | 201907167 | 41 | 17.29 | 68 | 47.66 | 94 | 10.91 | 1.50 | 0.02 | 0 |
| CAI_II | 201907168 | 41 | 17.76 | 68 | 43.75 | 71 | 6.95 | 0.80 | 0.02 | 0 |
| CAI_II | 201907169 | 41 | 16.11 | 68 | 40.09 | 55 | 6.83 | 1.20 | 0.01 | 0 |
| CAI_II | 201907170 | 41 | 14.09 | 68 | 34.39 | 15 | 1.79 | 4.00 | 0.00 | 0 |
| CAI_II | 201907171 | 41 | 14.47 | 68 | 41.44 | 6 | 0.73 | 0.10 | 0.00 | 0 |
| CAI_II | 201907172 | 41 | 16.44 | 68 | 45.42 | 28 | 3.66 | 0.20 | 0.01 | 0 |
| CAI_II | 201907173 | 41 | 16.33 | 68 | 49.27 | 1344 | 164.63 | 17.00 | 0.35 | 0 |

Table 2: continued

| Survey | StationID | Latitude (degrees) | Latitude (minutes) | Longitude (degrees) | Longitude (minutes) | Scallops (number) | Scallops (lbs) | Scallops (baskets) | Scallop density (m2) | Nematode Prevalence |
|--------|-----------|-----------------------|-----------------------|------------------------|------------------------|----------------------|-------------------|-----------------------|-------------------------|------------------------|
| CAI_II | 201907174 | 41 | 16.31 | 68 | 51.20 | 3777 | 319.06 | 49.00 | 0.99 | 0 |
| CAI_II | 201907175 | 41 | 15.43 | 68 | 52.34 | 3970 | 493.94 | 56.00 | 1.04 | 0 |
| CAI_II | 201907176 | 41 | 15.20 | 68 | 55.98 | 48 | 5.72 | 0.60 | 0.02 | 0 |
| CAI_II | 201907177 | 41 | 13.80 | 68 | 57.58 | 1562 | 136.94 | 22.00 | 0.41 | 0 |
| CAI_II | 201907178 | 41 | 13.01 | 68 | 54.42 | 128 | 11.46 | 1.80 | 0.04 | 0 |
| CAI_II | 201907179 | 41 | 13.15 | 68 | 50.71 | 64 | 5.53 | 1.00 | 0.02 | 0 |
| CAI_II | 201907180 | 41 | 11.48 | 68 | 50.04 | 195 | 17.51 | 2.40 | 0.06 | 0 |
| CAI_II | 201907181 | 41 | 10.91 | 68 | 46.86 | 77 | 10.17 | 1.20 | 0.03 | 0 |
| CAI_II | 201907182 | 41 | 10.24 | 68 | 48.96 | 112 | 12.20 | 1.75 | 0.03 | 0 |
| CAI_II | 201907183 | 41 | 9.84 | 68 | 50.89 | 41 | 4.52 | 0.70 | 0.01 | 0 |
| CAI_II | 201907184 | 41 | 8.69 | 68 | 52.29 | 21 | 2.31 | 0.35 | 0.01 | 0 |
| CAI_II | 201907185 | 41 | 7.10 | 68 | 57.07 | 11 | 1.15 | 0.10 | 0.00 | 0 |
| CAI_II | 201907186 | 41 | 8.47 | 69 | 2.75 | 1048 | 83.34 | 14.00 | 0.27 | 0 |
| CAI_II | 201907187 | 41 | 10.43 | 69 | 1.42 | 1405 | 118.98 | 18.80 | 0.33 | 0 |
| CAI_II | 201907188 | 41 | 10.74 | 69 | 4.69 | 49 | 4.24 | 0.90 | 0.01 | 0 |
| CAI_II | 201907189 | 41 | 13.42 | 69 | 7.09 | 185 | 16.38 | 2.30 | 0.05 | 0 |
| CAI_II | 201907190 | 41 | 13.65 | 69 | 5.83 | 276 | 15.75 | 3.50 | 0.07 | 0 |
| CAI_II | 201907191 | 41 | 14.54 | 69 | 9.38 | 25 | 2.12 | 0.30 | 0.01 | 0 |
| CAI_II | 201907192 | 41 | 16.26 | 69 | 10.74 | 757 | 64.99 | 11.00 | 0.20 | 0 |
| CAI_II | 201907193 | 41 | 17.06 | 69 | 7.91 | 1240 | 59.68 | 14.00 | 0.29 | 0 |
| CAI_II | 201907194 | 41 | 17.84 | 69 | 11.86 | 1139 | 93.81 | 20.00 | 0.26 | 0 |
| CAI_II | 201907195 | 41 | 19.52 | 69 | 12.69 | 506 | 37.59 | 9.00 | 0.12 | 0 |
| CAI_II | 201907196 | 41 | 20.75 | 69 | 14.87 | 667 | 55.72 | 16.00 | 0.15 | 0 |
| CAI_II | 201907197 | 41 | 24.70 | 69 | 17.65 | 77 | 6.61 | 1.50 | 0.02 | 0 |
| CAI_II | 201907198 | 41 | 26.15 | 69 | 19.10 | 132 | 13.11 | 2.00 | 0.03 | 0 |
| CAI_II | 201907199 | 41 | 27.36 | 69 | 17.70 | 624 | 46.55 | 10.00 | 0.14 | 0 |
| CAI_II | 201907200 | 41 | 29.31 | 69 | 17.93 | 211 | 20.34 | 4.60 | 0.05 | 0 |
| NL | 201908001 | 40 | 35.37 | 69 | 59.85 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| NL | 201908002 | 40 | 37.61 | 69 | 57.61 | 12 | 0.89 | 0.20 | 0.00 | 0 |
| NL | 201908003 | 40 | 37.69 | 69 | 53.55 | 13 | 1.50 | 0.20 | 0.00 | 0 |
| NL | 201908004 | 40 | 38.24 | 69 | 51.47 | 30 | 2.98 | 0.50 | 0.01 | 0 |
| NL | 201908005 | 40 | 39.05 | 69 | 48.55 | 8 | 0.72 | 0.20 | 0.00 | 0 |
| NL | 201908006 | 40 | 41.65 | 69 | 48.99 | 10 | 0.84 | 0.10 | 0.00 | 0 |
| NL | 201908007 | 40 | 41.63 | 69 | 43.41 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| NL | 201908008 | 40 | 39.01 | 69 | 42.37 | 4 | 0.38 | 0.10 | 0.00 | 0 |
| NL | 201908009 | 40 | 37.23 | 69 | 40.73 | 30 | 2.66 | 0.50 | 0.01 | 0 |
| NL | 201908010 | 40 | 38.18 | 69 | 38.43 | 8 | 0.60 | 0.10 | 0.00 | 0 |
| NL | 201908011 | 40 | 37.15 | 69 | 36.33 | 34 | 2.48 | 0.50 | 0.01 | 0 |
| NL | 201908012 | 40 | 36.50 | 69 | 33.56 | 8 | 0.78 | 0.10 | 0.00 | 0 |

Table 2: continued

| Survey | StationID | Latitude (degrees) | Latitude (minutes) | Longitude (degrees) | Longitude (minutes) | Scallops (number) | Scallops (lbs) | Scallops (baskets) | Scallop density (m2) | Nematode Prevalence |
|--------|-----------|-----------------------|-----------------------|------------------------|------------------------|----------------------|-------------------|-----------------------|-------------------------|------------------------|
| NL | 201908013 | 40 | 36.72 | 69 | 32.59 | 5 | 0.35 | 0.10 | 0.00 | 0 |
| NL | 201908014 | 40 | 36.23 | 69 | 30.21 | 1 | 0.11 | 0.10 | 0.00 | 0 |
| NL | 201908015 | 40 | 36.26 | 69 | 27.45 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| NL | 201908016 | 40 | 36.13 | 69 | 23.74 | 5 | 0.51 | 0.10 | 0.00 | 0 |
| NL | 201908018 | 40 | 33.45 | 69 | 25.36 | 66 | 8.56 | 1.25 | 0.01 | 0 |
| NL | 201908019 | 40 | 34.66 | 69 | 34.98 | 74 | 4.87 | 1.00 | 0.02 | 0 |
| NL | 201908020 | 40 | 35.37 | 69 | 42.26 | 73 | 5.09 | 1.25 | 0.02 | 0 |
| NL | 201908021 | 40 | 36.37 | 69 | 46.03 | 28 | 2.13 | 0.50 | 0.01 | 0 |
| NL | 201908022 | 40 | 36.17 | 69 | 47.99 | 15 | 1.05 | 0.25 | 0.00 | 0 |
| NL | 201908023 | 40 | 34.41 | 69 | 50.94 | 48 | 2.79 | 0.75 | 0.01 | 0 |
| NL | 201908024 | 40 | 32.78 | 69 | 53.33 | 99 | 5.59 | 1.50 | 0.02 | 0 |
| NL | 201908025 | 40 | 34.03 | 69 | 57.11 | 19 | 1.38 | 0.25 | 0.00 | 0 |
| NL | 201908026 | 40 | 29.69 | 69 | 58.11 | 6 | 0.31 | 0.10 | 0.00 | 0 |
| NL | 201908027 | 40 | 27.65 | 69 | 57.39 | 1 | 0.05 | 0.10 | 0.00 | 0 |
| NL | 201908028 | 40 | 29.11 | 69 | 54.88 | 1 | 0.04 | 0.10 | 0.00 | 0 |
| NL | 201908029 | 40 | 28.96 | 69 | 51.33 | 22 | 1.00 | 0.25 | 0.00 | 0 |
| NL | 201908030 | 40 | 31.35 | 69 | 51.23 | 157 | 7.80 | 2.00 | 0.03 | 0 |
| NL | 201908031 | 40 | 33.29 | 69 | 48.80 | 577 | 33.50 | 7.25 | 0.12 | 0 |
| NL | 201908032 | 40 | 33.02 | 69 | 43.03 | 183 | 8.52 | 2.10 | 0.04 | 0 |
| NL | 201908033 | 40 | 32.76 | 69 | 40.18 | 252 | 10.80 | 3.10 | 0.05 | 0 |
| NL | 201908034 | 40 | 32.52 | 69 | 32.96 | 58 | 4.60 | 1.00 | 0.01 | 0 |
| NL | 201908035 | 40 | 31.27 | 69 | 31.30 | 63 | 5.46 | 1.00 | 0.01 | 0 |
| NL | 201908036 | 40 | 31.29 | 69 | 30.10 | 66 | 6.29 | 0.85 | 0.01 | 0 |
| NL | 201908037 | 40 | 30.77 | 69 | 25.60 | 34 | 3.33 | 0.50 | 0.01 | 0 |
| NL | 201908038 | 40 | 27.96 | 69 | 28.14 | 104 | 7.45 | 1.25 | 0.02 | 0 |
| NL | 201908039 | 40 | 28.26 | 69 | 30.90 | 81 | 5.34 | 1.10 | 0.02 | 0 |
| NL | 201908040 | 40 | 30.17 | 69 | 34.12 | 171 | 10.68 | 2.25 | 0.04 | 0 |
| NL | 201908041 | 40 | 30.39 | 69 | 36.82 | 248 | 11.24 | 3.00 | 0.05 | 0 |
| NL | 201908042 | 40 | 30.44 | 69 | 40.11 | 3220 | 137.62 | 48.00 | 0.69 | 0 |
| NL | 201908043 | 40 | 30.18 | 69 | 45.07 | 3557 | 169.73 | 43.00 | 0.78 | 0 |
| NL | 201908045 | 40 | 28.59 | 69 | 48.32 | 9 | 0.41 | 0.10 | 0.00 | 0 |
| NL | 201908046 | 40 | 26.18 | 69 | 45.36 | 8 | 0.48 | 0.10 | 0.00 | 0 |
| NL | 201908047 | 40 | 27.23 | 69 | 43.55 | 14 | 0.69 | 0.10 | 0.00 | 0 |
| NL | 201908048 | 40 | 27.81 | 69 | 39.44 | 55 | 3.32 | 0.75 | 0.01 | 0 |
| NL | 201908049 | 40 | 27.08 | 69 | 39.31 | 50 | 3.49 | 0.75 | 0.01 | 0 |
| NL | 201908050 | 40 | 25.07 | 69 | 38.23 | 27 | 1.72 | 0.25 | 0.01 | 0 |
| NL | 201908051 | 40 | 21.32 | 69 | 29.12 | 897 | 23.19 | 13.50 | 0.19 | 0 |
| NL | 201908052 | 40 | 20.58 | 69 | 26.89 | 1167 | 35.58 | 15.50 | 0.25 | 0 |
| NL | 201908053 | 40 | 20.70 | 69 | 23.34 | 1503 | 45.07 | 23.00 | 0.32 | 0 |

Table 2: continued

| Survey | StationID | Latitude (degrees) | Latitude (minutes) | Longitude (degrees) | Longitude (minutes) | Scallops (number) | Scallops (lbs) | Scallops (baskets) | Scallop density (m2) | Nematode Prevalence |
|--------|-----------|-----------------------|-----------------------|------------------------|------------------------|----------------------|-------------------|-----------------------|-------------------------|------------------------|
| NL | 201908054 | 40 | 20.63 | 69 | 19.97 | 1 | 0.04 | 0.10 | 0.00 | 0 |
| NL | 201908055 | 40 | 20.69 | 69 | 16.87 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| NL | 201908056 | 40 | 20.64 | 69 | 13.54 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| NL | 201908057 | 40 | 21.68 | 69 | 10.96 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| NL | 201908058 | 40 | 20.90 | 69 | 7.81 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| NL | 201908059 | 40 | 20.43 | 69 | 5.20 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| NL | 201908060 | 40 | 21.11 | 69 | 1.53 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| NL | 201908061 | 40 | 22.81 | 69 | 0.34 | 2 | 0.09 | 0.10 | 0.00 | 0 |
| NL | 201908062 | 40 | 25.03 | 69 | 3.08 | 1 | 0.06 | 0.10 | 0.00 | 0 |
| NL | 201908063 | 40 | 23.41 | 69 | 6.86 | 18 | 0.66 | 0.25 | 0.00 | 0 |
| NL | 201908064 | 40 | 22.60 | 69 | 13.38 | 1 | 0.04 | 0.10 | 0.00 | 0 |
| NL | 201908065 | 40 | 22.85 | 69 | 18.41 | 1880 | 53.22 | 25.00 | 0.40 | 0 |
| NL | 201908066 | 40 | 23.83 | 69 | 20.85 | 2257 | 53.03 | 41.00 | 0.47 | 0 |
| NL | 201908067 | 40 | 23.44 | 69 | 23.98 | 2875 | 67.84 | 50.00 | 0.60 | 0 |
| NL | 201908068 | 40 | 24.42 | 69 | 26.10 | 1535 | 61.65 | 25.00 | 0.32 | 0 |
| NL | 201908069 | 40 | 24.58 | 69 | 28.76 | 1249 | 60.63 | 17.50 | 0.26 | 0 |
| NL | 201908070 | 40 | 26.63 | 69 | 25.62 | 203 | 9.86 | 2.25 | 0.04 | 0 |
| NL | 201908071 | 40 | 27.59 | 69 | 21.46 | 103 | 6.64 | 1.25 | 0.02 | 0 |
| NL | 201908072 | 40 | 26.69 | 69 | 19.13 | 6782 | 264.73 | 88.00 | 1.42 | 0 |
| NL | 201908073 | 40 | 25.20 | 69 | 16.67 | 3789 | 90.95 | 66.25 | 0.82 | 0 |
| NL | 201908074 | 40 | 25.78 | 69 | 12.17 | 4283 | 134.61 | 62.00 | 0.90 | 0 |
| NL | 201908075 | 40 | 27.27 | 69 | 10.00 | 2646 | 92.76 | 37.00 | 0.57 | 0 |
| NL | 201908076 | 40 | 26.18 | 69 | 6.94 | 2923 | 82.23 | 40.50 | 0.63 | 0 |
| NL | 201908077 | 40 | 26.82 | 69 | 1.85 | 30 | 1.52 | 0.25 | 0.01 | 0 |
| NL | 201908078 | 40 | 27.09 | 69 | 0.28 | 66 | 3.94 | 0.80 | 0.01 | 0 |
| NL | 201908079 | 40 | 28.04 | 69 | 2.77 | 1831 | 81.57 | 23.00 | 0.39 | 0 |
| NL | 201908080 | 40 | 29.39 | 69 | 4.97 | 294 | 13.10 | 3.25 | 0.06 | 0 |
| NL | 201908081 | 40 | 31.08 | 69 | 7.66 | 46 | 2.90 | 0.50 | 0.01 | 0 |
| NL | 201908082 | 40 | 30.49 | 69 | 10.01 | 125 | 8.43 | 1.75 | 0.03 | 0 |
| NL | 201908083 | 40 | 28.68 | 69 | 12.94 | 115 | 5.89 | 1.40 | 0.02 | 0 |
| NL | 201908084 | 40 | 28.24 | 69 | 13.61 | 188 | 9.00 | 2.00 | 0.04 | 0 |
| NL | 201908085 | 40 | 28.40 | 69 | 15.99 | 100 | 5.18 | 1.25 | 0.02 | 0 |
| NL | 201908086 | 40 | 31.59 | 69 | 21.03 | 22 | 2.34 | 0.25 | 0.00 | 0 |
| NL | 201908087 | 40 | 32.27 | 69 | 19.50 | 44 | 5.98 | 0.90 | 0.01 | 0 |
| NL | 201908088 | 40 | 32.90 | 69 | 15.81 | 67 | 8.98 | 1.25 | 0.01 | 0 |
| NL | 201908089 | 40 | 32.52 | 69 | 12.89 | 43 | 4.75 | 0.75 | 0.01 | 0 |
| NL | 201908090 | 40 | 33.00 | 69 | 10.09 | 68 | 6.33 | 1.00 | 0.01 | 0 |
| NL | 201908091 | 40 | 33.06 | 69 | 8.05 | 119 | 9.54 | 1.75 | 0.02 | 0 |
| NL | 201908092 | 40 | 31.43 | 69 | 5.38 | 51 | 2.89 | 0.75 | 0.01 | 0 |

Table 2: continued

| Survey | StationID | Latitude (degrees) | Latitude (minutes) | Longitude (degrees) | Longitude (minutes) | Scallops (number) | Scallops (lbs) | Scallops (baskets) | Scallop density (m2) | Nematode Prevalence |
|--------|-----------|-----------------------|-----------------------|------------------------|------------------------|----------------------|-------------------|-----------------------|-------------------------|------------------------|
| NL | 201908093 | 40 | 32.31 | 69 | 1.94 | 89 | 6.28 | 1.25 | 0.02 | 0 |
| NL | 201908094 | 40 | 33.91 | 69 | 3.98 | 409 | 38.82 | 7.25 | 0.09 | 0 |
| NL | 201908095 | 40 | 36.96 | 69 | 0.90 | 58 | 6.06 | 1.00 | 0.01 | 0 |
| NL | 201908096 | 40 | 37.91 | 69 | 3.12 | 464 | 55.08 | 6.50 | 0.10 | 0 |
| NL | 201908097 | 40 | 37.38 | 69 | 5.56 | 743 | 85.10 | 12.75 | 0.16 | 0 |
| NL | 201908098 | 40 | 38.03 | 69 | 7.34 | 292 | 35.09 | 5.10 | 0.06 | 0 |
| NL | 201908099 | 40 | 37.82 | 69 | 9.25 | 363 | 44.26 | 5.50 | 0.08 | 0 |
| NL | 201908100 | 40 | 36.42 | 69 | 11.28 | 519 | 67.49 | 9.25 | 0.11 | 0 |
| NL | 201908101 | 40 | 36.76 | 69 | 13.61 | 751 | 89.74 | 11.00 | 0.16 | 0 |
| NL | 201908102 | 40 | 36.58 | 69 | 17.42 | 72 | 8.35 | 1.00 | 0.02 | 0 |
| NL | 201908103 | 40 | 37.78 | 69 | 17.64 | 67 | 6.90 | 1.00 | 0.01 | 0 |
| NL | 201908104 | 40 | 39.34 | 69 | 19.55 | 17 | 1.55 | 0.20 | 0.00 | 0 |
| NL | 201908105 | 40 | 39.08 | 69 | 23.83 | 4 | 0.43 | 0.10 | 0.00 | 0 |
| NL | 201908106 | 40 | 39.66 | 69 | 26.50 | 1 | 0.04 | 0.10 | 0.00 | 0 |
| NL | 201908107 | 40 | 41.88 | 69 | 28.27 | 1 | 0.10 | 0.10 | 0.00 | 0 |
| NL | 201908108 | 40 | 43.63 | 69 | 28.07 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| NL | 201908109 | 40 | 44.24 | 69 | 24.77 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| NL | 201908110 | 40 | 48.51 | 69 | 28.29 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| NL | 201908111 | 40 | 49.61 | 69 | 18.76 | 22 | 2.47 | 0.25 | 0.00 | 0 |
| NL | 201908112 | 40 | 48.46 | 69 | 17.95 | 617 | 85.84 | 10.75 | 0.13 | 0 |
| NL | 201908113 | 40 | 48.06 | 69 | 12.72 | 19 | 2.20 | 0.20 | 0.00 | 0 |
| NL | 201908114 | 40 | 48.40 | 69 | 9.63 | 443 | 57.61 | 7.25 | 0.09 | 0 |
| NL | 201908115 | 40 | 47.18 | 69 | 6.37 | 247 | 29.90 | 3.80 | 0.05 | 0 |
| NL | 201908116 | 40 | 48.66 | 69 | 4.08 | 220 | 29.45 | 3.50 | 0.05 | 0 |
| NL | 201908117 | 40 | 48.28 | 69 | 0.94 | 190 | 26.37 | 3.25 | 0.04 | 0 |
| NL | 201908118 | 40 | 44.67 | 69 | 0.83 | 835 | 94.29 | 15.00 | 0.18 | 0 |
| NL | 201908119 | 40 | 42.82 | 69 | 3.63 | 185 | 24.82 | 3.25 | 0.04 | 0 |
| NL | 201908120 | 40 | 44.25 | 69 | 6.47 | 394 | 52.32 | 7.00 | 0.08 | 0 |
| NL | 201908121 | 40 | 45.34 | 69 | 10.00 | 668 | 68.89 | 9.10 | 0.14 | 0 |
| NL | 201908122 | 40 | 43.97 | 69 | 14.19 | 861 | 113.88 | 19.25 | 0.18 | 0 |
| NL | 201908123 | 40 | 41.60 | 69 | 12.98 | 55 | 6.08 | 1.00 | 0.01 | 0 |
| NL | 201908124 | 40 | 41.92 | 69 | 9.34 | 196 | 28.25 | 3.75 | 0.04 | 0 |
| NL | 201908125 | 40 | 40.98 | 69 | 3.54 | 483 | 62.07 | 7.25 | 0.10 | 0 |
| NL | 201908126 | 40 | 39.67 | 69 | 0.74 | 376 | 46.19 | 6.10 | 0.08 | 0 |
| NL | 201908127 | 40 | 39.16 | 69 | 4.28 | 421 | 50.67 | 6.75 | 0.09 | 0 |
| NL | 201908128 | 40 | 39.06 | 69 | 9.68 | 295 | 38.96 | 4.50 | 0.06 | 0 |
| NL | 201908129 | 40 | 38.13 | 69 | 12.82 | 557 | 62.48 | 7.50 | 0.12 | 0 |
| NL | 201908130 | 40 | 39.56 | 69 | 16.16 | 71 | 6.89 | 1.00 | 0.02 | 0 |
| NL | 201908131 | 40 | 42.87 | 69 | 18.77 | 40 | 3.87 | 0.50 | 0.01 | 0 |

Table 2: continued

| Survey | StationID | Latitude (degrees) | Latitude (minutes) | Longitude (degrees) | Longitude (minutes) | Scallops (number) | Scallops (lbs) | Scallops (baskets) | Scallop density (m2) | Nematode Prevalence |
|--------|-----------|-----------------------|-----------------------|------------------------|------------------------|----------------------|-------------------|-----------------------|-------------------------|------------------------|
| NL | 201908132 | 40 | 43.99 | 69 | 17.83 | 1452 | 158.26 | 29.00 | 0.31 | 0 |
| NL | 201908133 | 40 | 46.17 | 69 | 17.07 | 182 | 23.05 | 3.10 | 0.04 | 0 |
| NL | 201908134 | 40 | 46.87 | 69 | 17.95 | 501 | 63.35 | 9.25 | 0.10 | 0 |
| NL | 201908135 | 40 | 45.49 | 69 | 19.53 | 60 | 7.84 | 1.10 | 0.01 | 0 |

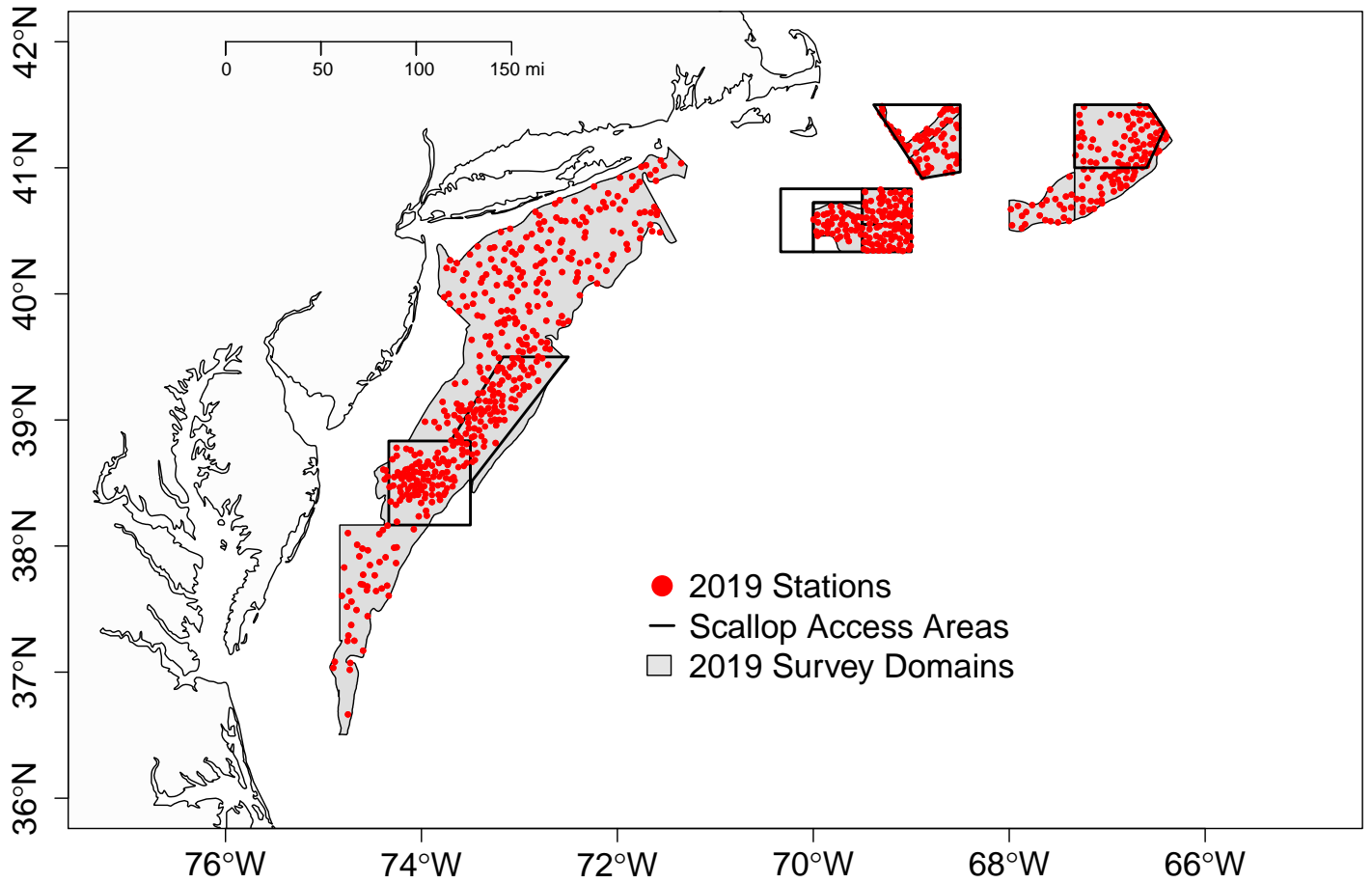


Figure 1: Survey domains with station locations for the VIMS/Industry cooperative surveys of the Mid-Atlantic sea scallop resource area, the Nantucket Lightship Closed Area, Closed Area I, and Closed Area II completed during May–July 2019.

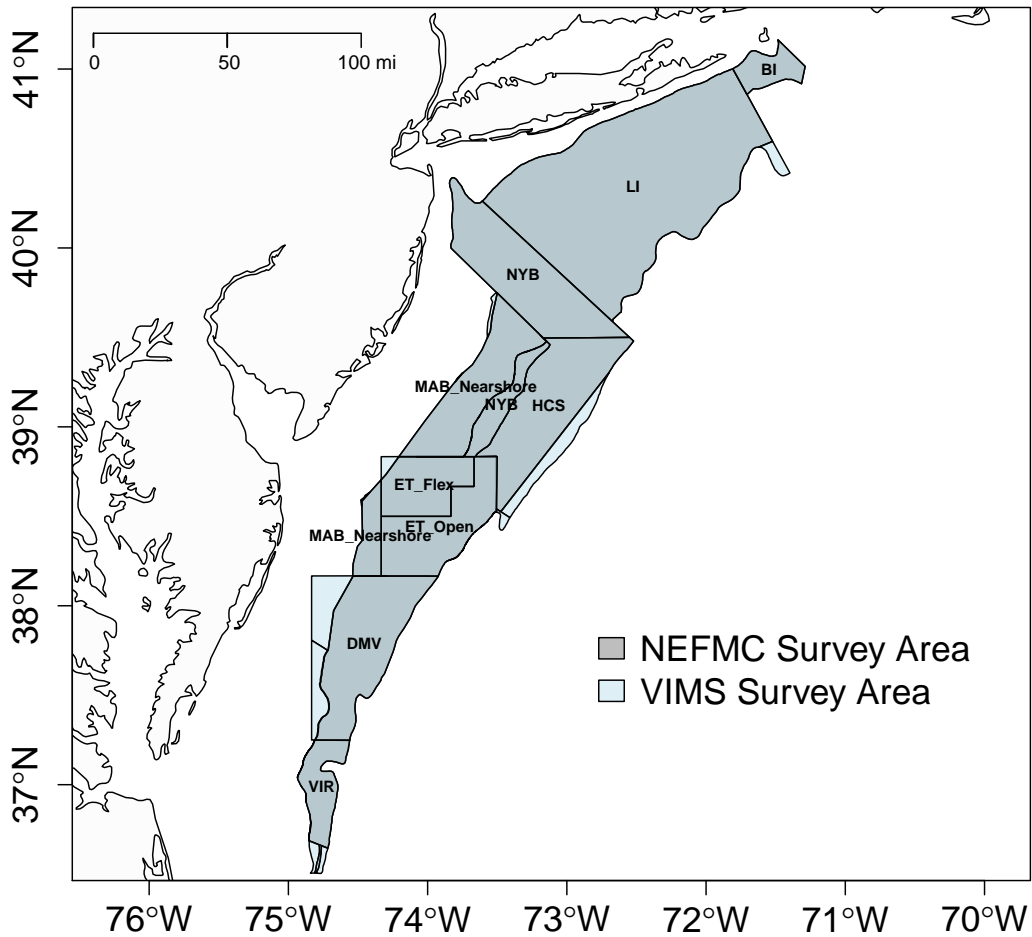


Figure 2: SAMS Areas used to calculate biomass estimates for the VIMS/Industry cooperative survey of the Mid-Atlantic sea scallop resource during May 2019.

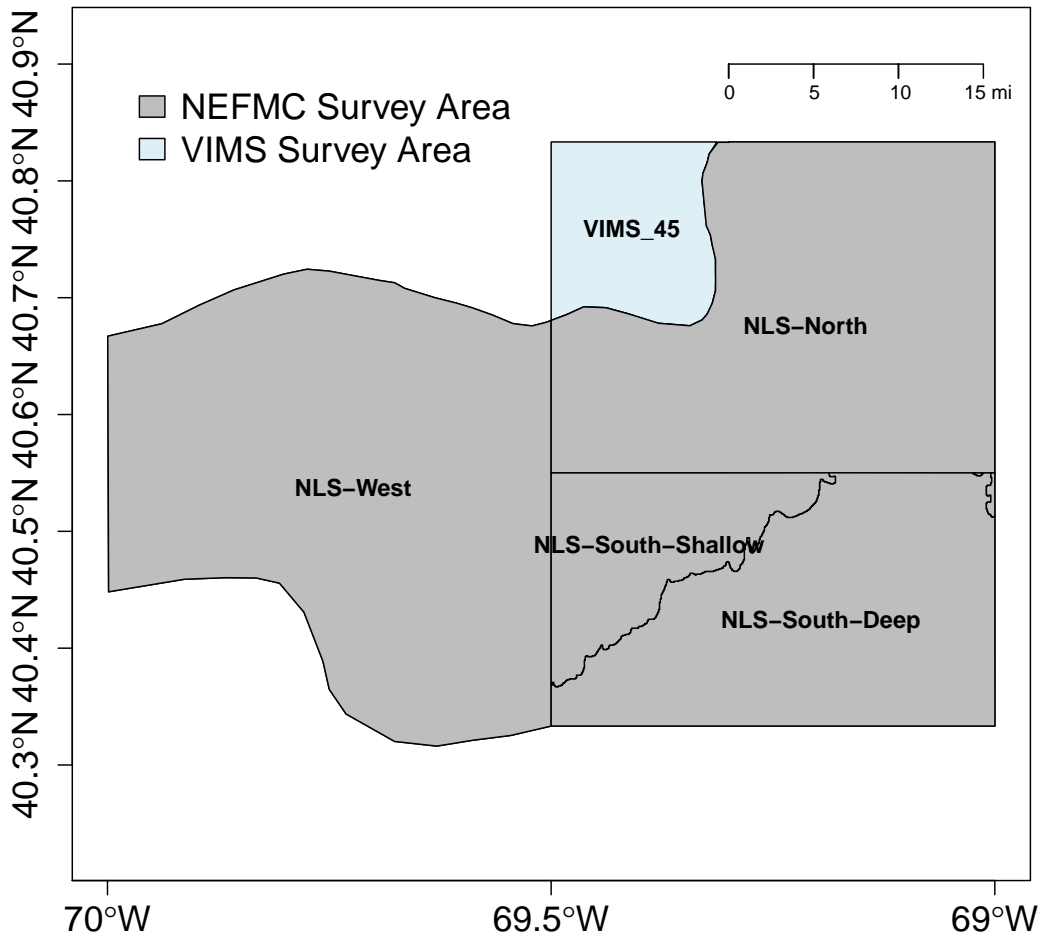


Figure 3: SAMS Areas used to calculate biomass estimates for the VIMS/Industry cooperative survey of the Nantucket Lightship access area and surrounds resource during July 2019.

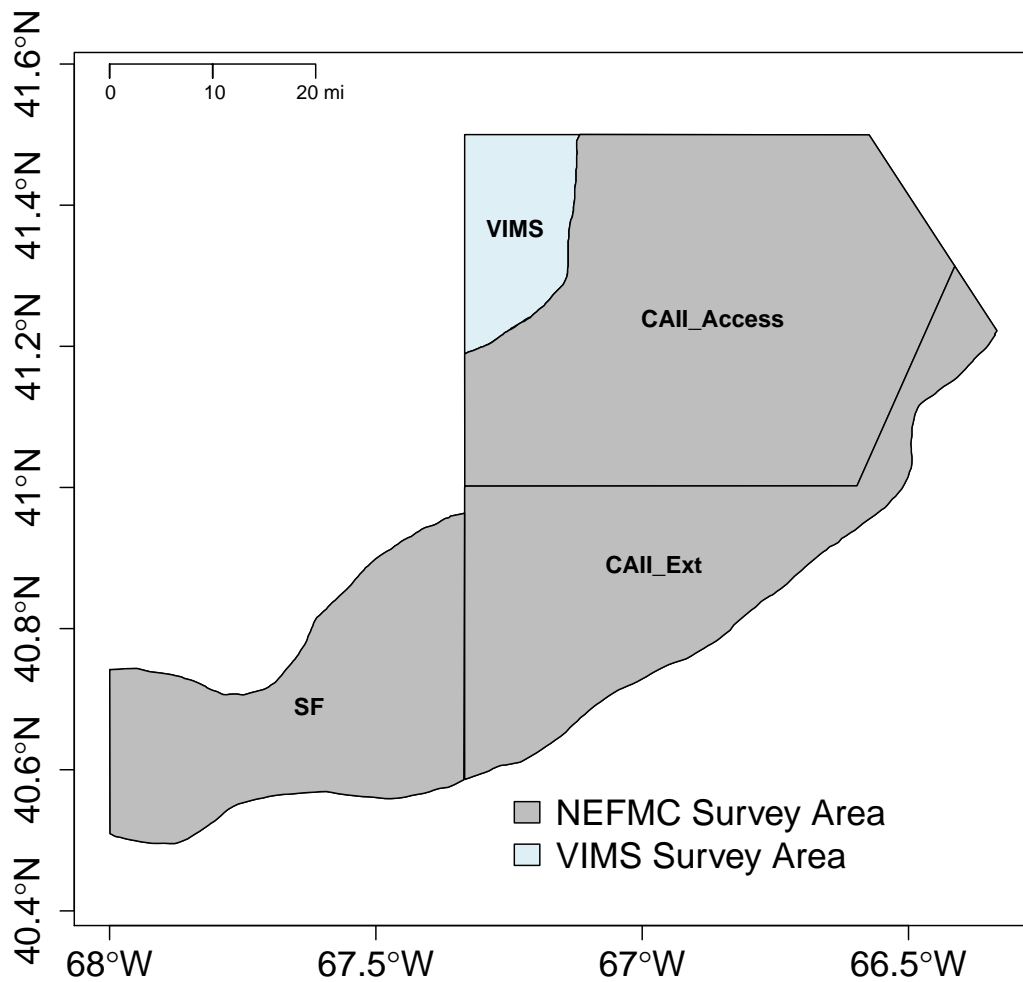


Figure 4: SAMS Areas used to calculate biomass estimates for the VIMS/Industry cooperative survey of the Closed Area II access area and open area along the southern flank during June 2019.

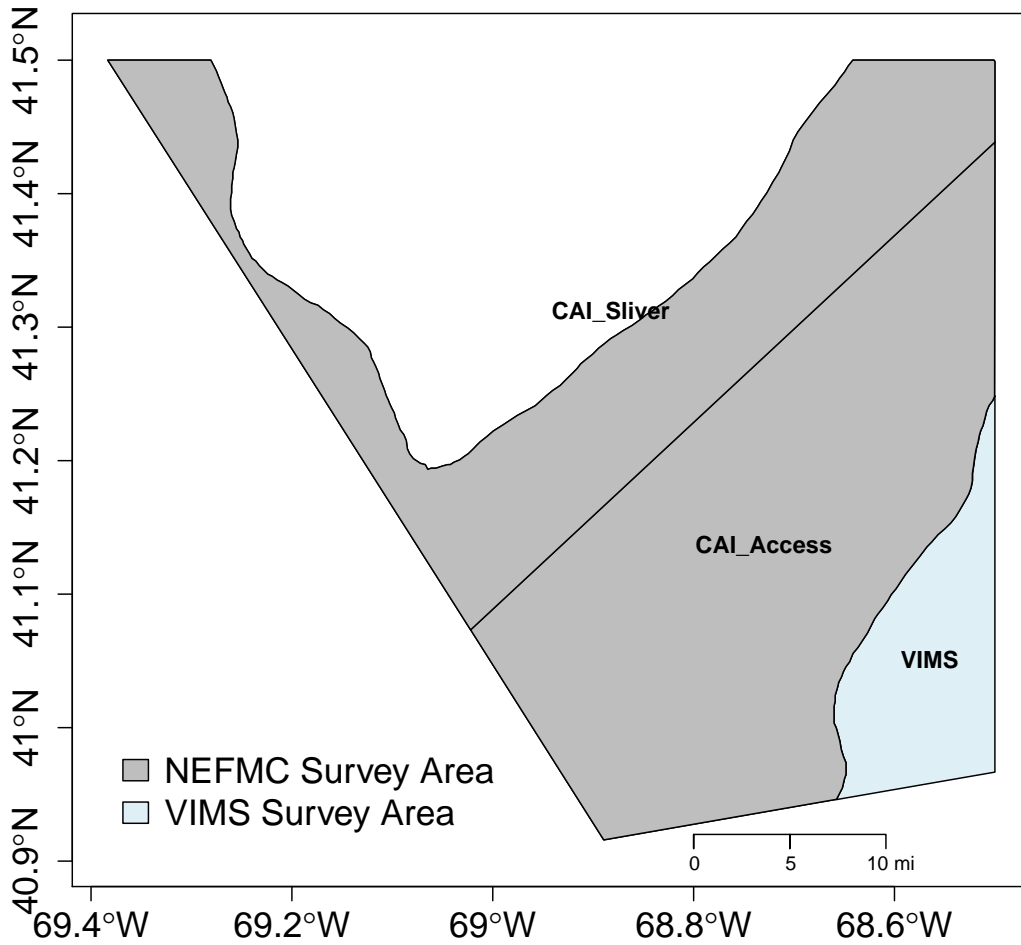


Figure 5: SAMS Areas used to calculate biomass estimates for the VIMS/Industry cooperative survey of the Closed Area I access area during June 2019.

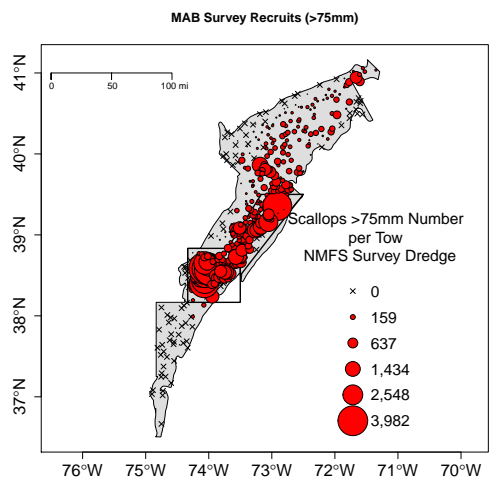
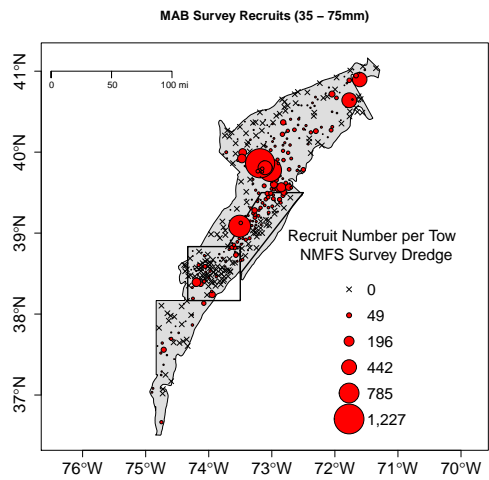
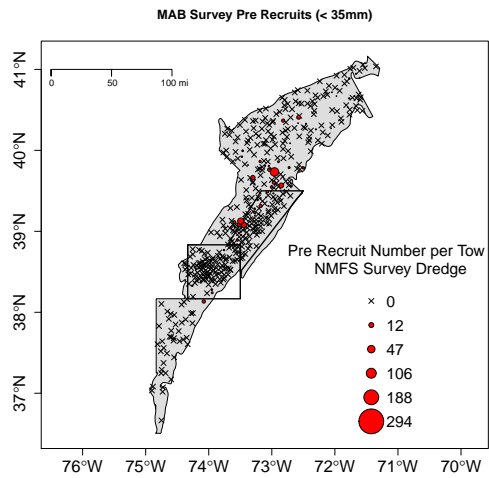


Figure 6: Number of scallops <35 mm, 35–75 mm, and >75 mm caught in the NMFS survey dredge during the VIMS/Industry cooperative survey of the Mid-Atlantic sea scallop resource during May 2019.

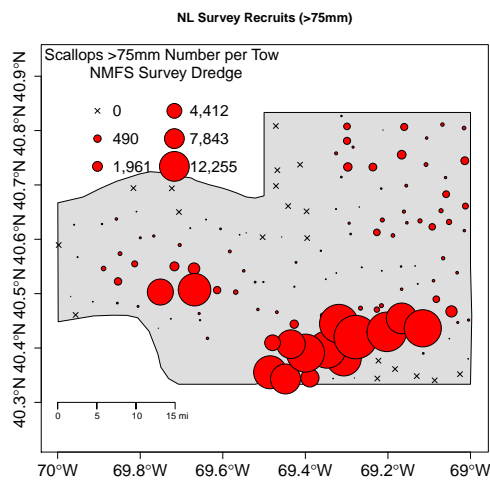
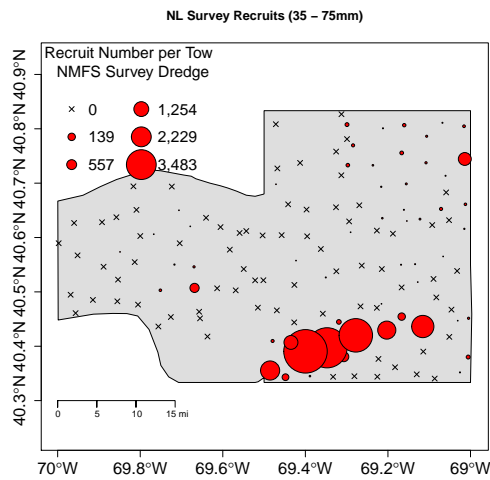
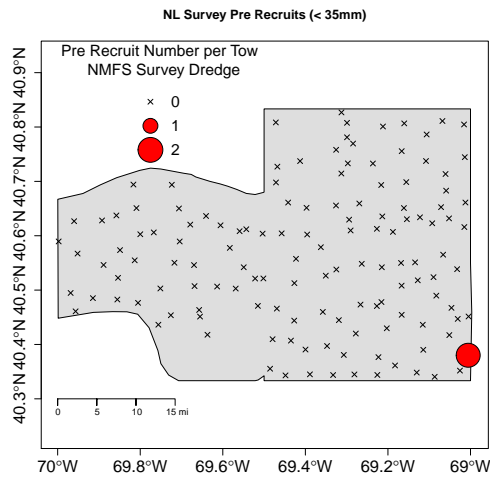


Figure 7: Number of scallops <35 mm, 35–75 mm, and >75 mm caught in the NMFS survey dredge during the VIMS/Industry cooperative survey of the Nantucket Lightship access area during July 2019.

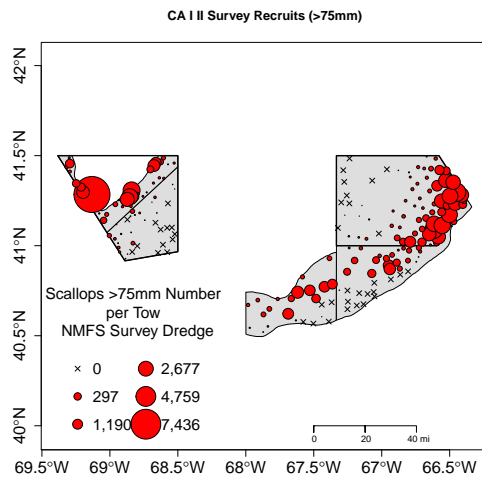
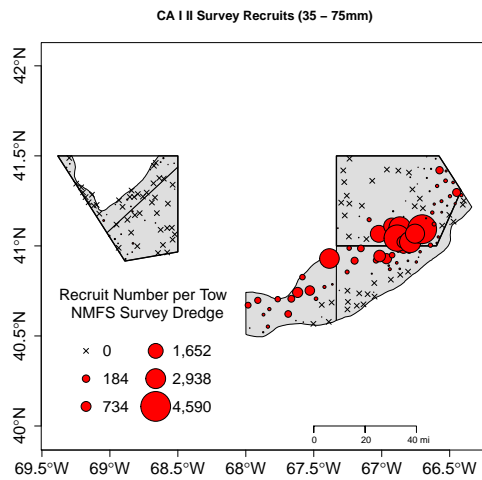
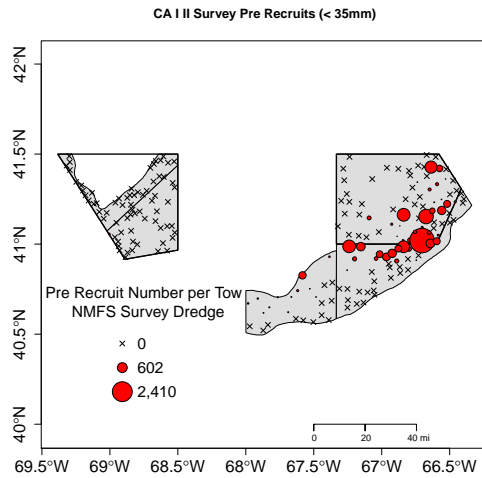


Figure 8: Number of scallops <35 mm, 35–75 mm, and >75 mm caught in the NMFS survey dredge during the VIMS/Industry cooperative survey of the Closed Area I and II access areas during June 2019.

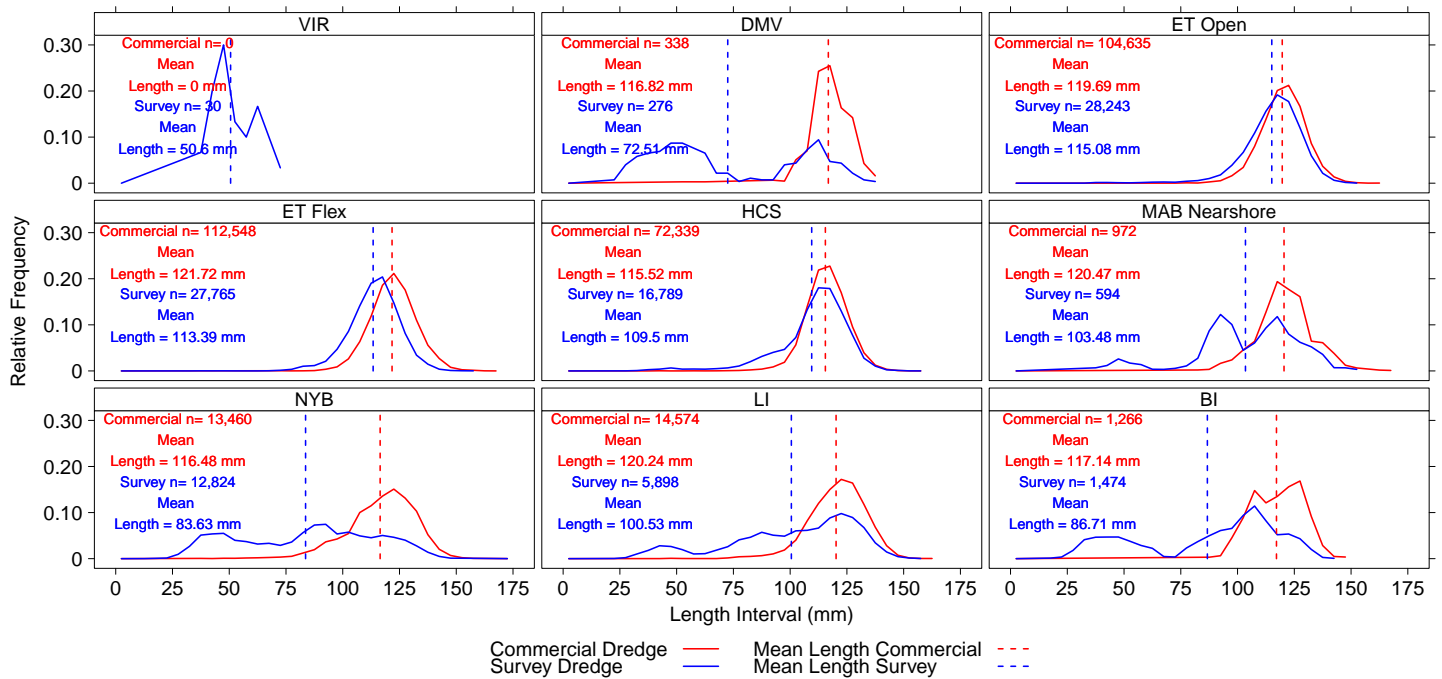


Figure 9: Scallop length frequency distributions generated from catch data obtained from both the survey and commercial dredges during the VIMS/Industry cooperative survey of the Mid-Atlantic sea scallop resource area in May 2019 by SAMS Area. Number of scallops (n) measured and mean length by gear are also included.

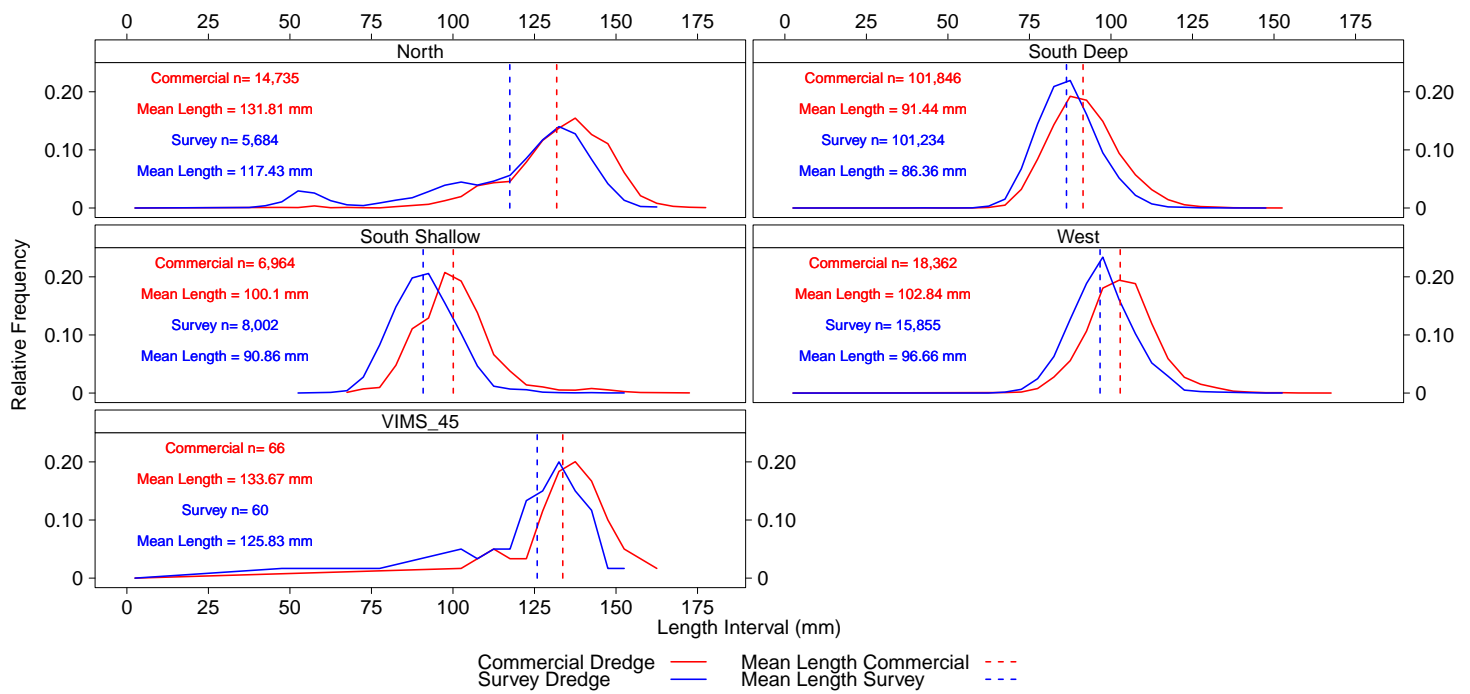


Figure 10: Scallop length frequency distributions generated from catch data obtained from both the survey and commercial dredges during the VIMS/Industry cooperative survey of the Nantucket Lightship access area and surrounds in July 2019 by SAMS Area. Number of scallops (n) measured and mean length by gear are also included.

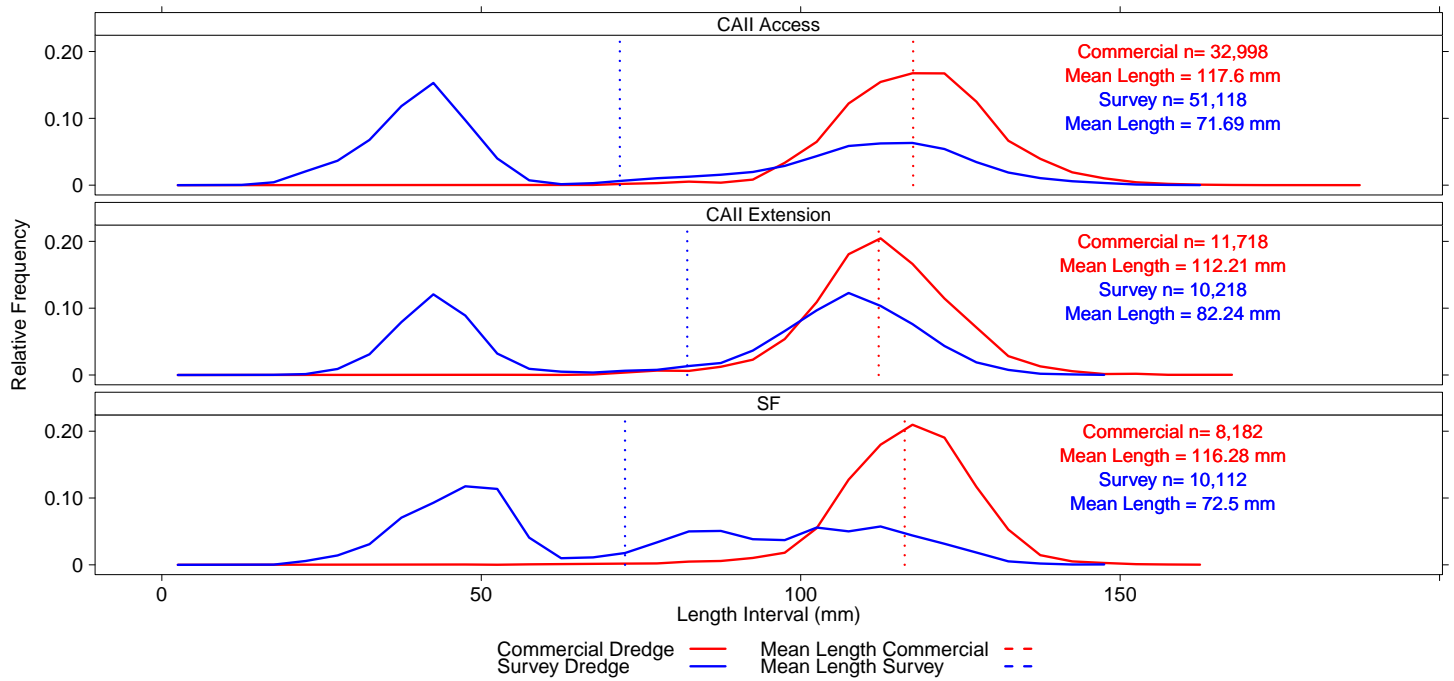


Figure 11: Scallop length frequency distributions generated from catch data obtained from both the survey and commercial dredges during the VIMS/Industry cooperative survey of Closed Area I (top row) and Closed Area II (middle and bottom rows) in June 2019 by SAMS Area. Number of scallops (n) measured and mean length by gear are also included.

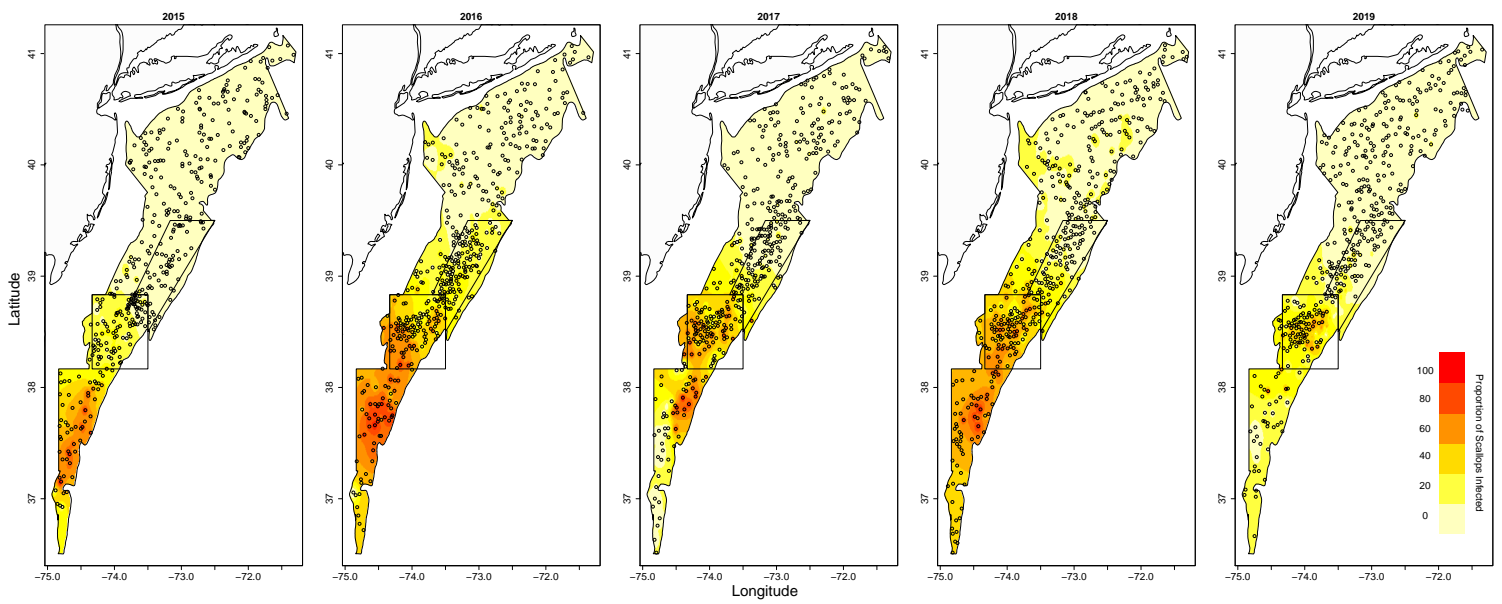


Figure 12: Proportion of scallops infected with nematodes for 2015–2019 in the VIMS/Industry cooperative survey of the Mid-Atlantic sea scallop resource area.