

Northwest Atlantic



Fisheries Organization

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Provisional Lists of Sampling Data, 1979-83

by

NAFO Secretariat

1. Introduction

During the early 1970's, the requirements for reporting sampling data were standardized, and the Secretariat developed a computerized data base of ICNAF sampling data for rapid retrieval upon request. This data base currently covers the 1966-78 period.

The standardized ICNAF procedure for reporting sampling data was modified in 1979 with the requirement for considerably more detail than previously. After much discussion on the feasibility of maintaining such detailed data in the Secretariat computer files because scientists usually requested the data in summarized form, the Scientific Council in 1984 agreed that the reporting of sampling data for 1983 and subsequent years should, with a few exceptions, conform generally to the pre-1979 format (NAFO Sci. Coun. Rep., 1984, page 84). Meanwhile, fisheries institutes were requested to resubmit their 1979-82 data in the summarized format (NAFO Sci. Coun. Rep., 1983, pages 24-25).

In March 1985, revised sampling forms and notes for their completion were dispatched to Scientific Council representatives regarding the submission of data for 1983 and 1984, with a reminder that outstanding 1979-82 data were also required. Provisional list of available data for 1979-83 are tabulated in this report. Preliminary lists of data for 1984 are given in a separate report.

2. Reported Data for 1979-83

Summaries of national length-frequency data by species and division, as reported by various countries (or country components) for 1979-83 are given in Table 1. Table 2 contains, for each country, the numbers of fish measured and aged by species, division, gear type and month.

The lists include both nationally-reported data and data collected through the Scientific Observer Program, as indicated in the country headings. The Secretariat files contain all data in the lists except Canada(M), for which lists only are available.

The lists should be checked thoroughly by Scientific Council representatives with a view toward identifying outstanding data. This is particularly evident in the case of lacking age-length keys for much of the length-frequency data.

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Table 1. Summary of sampling data by country, species and division, from national sampling of fisheries in 1979-83.

| Year | Country     | Species              | Division                                   |
|------|-------------|----------------------|--------------------------------------------|
| 1979 | Bulgaria    | Redfish              | 3M                                         |
|      |             | Silver hake          | 4W                                         |
|      |             | Squid- <i>Illex</i>  | 3L, 4W                                     |
|      | Canada (M)  | Cod                  | 2J,3K,3L,3O,3P,4R,4S,4T,4V,4W,4X,5Z        |
|      |             | Haddock              | 3O,4T,4V,4W,4X,5Z                          |
|      |             | Redfish              | 2J,3K,3L,3M,3O,3P,4R,4S,4T,4V,4W,4X,4NK    |
|      |             | Pollock              | 3P,4T,4V,4W,4X,5Z                          |
|      |             | A. plaice            | 3L,3P,4T,4V                                |
|      |             | Witch flounder       | 2J,4T,4V,4X                                |
|      |             | Winter flounder      | 4X                                         |
|      |             | Cusk                 | 4W,4X                                      |
|      | Canada (N)  | Cod                  | 2J,3K,3L,3N,3O,3Pn,3Ps,4R,4Vn              |
|      |             | Haddock              | 3O                                         |
|      |             | Redfish, beaked      | 2J,3K,3L,3M,3N,3O,3Ps,4R,4RT,4S,4ST,4T,4Vs |
|      |             | A. plaice            | 2J,3K,3L,3N,3O,3Ps,4R,4S                   |
|      |             | Witch flounder       | 3K,3N,3Pn,3Ps,4R,4S,4Vn                    |
|      |             | Yellowtail flo.      | 3L,3N,3O,3Ps                               |
|      |             | G. halibut           | 2J,3K,3L,4R,4T,4Vn                         |
|      | Denmark (G) | Cod                  | 1B,1C,1D,1E,1F                             |
|      | France (SP) | Cod                  | 4R,4Vn                                     |
|      |             | Redfish              | 4R                                         |
|      |             | A. plaice            | 3N                                         |
|      |             | Yellowtail flo.      | 3N                                         |
|      | Japan       | Redfish              | 3M                                         |
|      |             | Silver hake          | 4W,4X,6A                                   |
|      |             | Butterfish           | 5Zw,6A                                     |
|      |             | Argentines           | 4Vs,4W,4X                                  |
|      |             | Squid- <i>Loligo</i> | 5Zw,6A,6B                                  |
|      |             | Squid- <i>Illex</i>  | 3O,4Vs,4W,4X,5Zw,6A,6B                     |
|      | Poland      | Cod                  | 2J,3K,3L                                   |
|      |             | Witch flounder       | 3K                                         |
|      |             | G. halibut           | 2G,2H                                      |
|      |             | Squid- <i>Illex</i>  | 3O,4W                                      |
|      | Romania     | Silver hake          | 5Zw                                        |
|      |             | Redfish, beaked      | 3M                                         |
|      |             | Searobins            | 5Zw                                        |
|      |             | Mackerel             | 6A                                         |
|      |             | Butterfish           | 6A                                         |
|      |             | Alewife              | 5Zw                                        |
|      |             | Capelin              | 2J                                         |
|      |             | Squid- <i>Loligo</i> | 6A                                         |
|      |             | Squid- <i>Illex</i>  | 3M,4W,6A                                   |
|      | USSR        | Cod                  | 2H,3K,3M,4W                                |
|      |             | Haddock              | 4W                                         |
|      |             | Redfish              | 3K,3M                                      |
|      |             | Silver hake          | 4W                                         |
|      |             | Red hake             | 4W                                         |
|      |             | Pollock              | 4W                                         |
|      |             | Redfish, golden      | 3L,3M                                      |
|      |             | Witch                | 3K                                         |
|      |             | R. grenadier         | 3K                                         |
|      |             | White hake           | 3N                                         |
|      |             | S. wolffish          | 3M                                         |
|      |             | Argentines           | 4W                                         |
|      |             | Skates (NS)          | 3N                                         |
|      |             | Squid- <i>Illex</i>  | 3O,4Vs,4W,4X                               |

Table 1. (Continued)

| Year | Country     | Species              | Division                                |
|------|-------------|----------------------|-----------------------------------------|
| 1980 | Bulgaria    | Silver hake          | 4W                                      |
|      | Canada (M)  | Cod                  | 2J,3K,3N,3P,4R,4S,4T,4V,4W,4X,5Y,5Z     |
|      |             | Haddock              | 4V,4W,4X,5Y,5Z                          |
|      |             | Redfish              | 2J,3K,3L,3N,3P,4R,4S,4T,4V,4W,4X        |
|      |             | Silver hake          | 4X                                      |
|      |             | Pollock              | 3P,4V,4W,4X,5Y,5Z                       |
|      |             | A. plaice            | 3K,3L,3O,4S,4T,4V,5Z,5NK                |
|      |             | Witch flounder       | 3K,4R,4S,4V,4W                          |
|      |             | Yellowtail flo.      | 3L,3N,4V,4W,4X                          |
|      |             | Winter flounder      | 4T,4X                                   |
|      |             | Cusk                 | 4X                                      |
|      | Canada (N)  | Cod                  | 2J,3K,3L,3N,3O,3Pn,3Ps,4R,4S,4Vs,4X     |
|      |             | Haddock              | 3Ps,4Vs,4W,4X                           |
|      |             | Redfish, beaked      | 2J,3K,3L,3N,3O,3Pn,3Ps,4R,4Vs           |
|      |             | A. plaice            | 3K,3L,3N,3O,3Ps,4Vs                     |
|      |             | Witch                | 3K,3L,3N,3Ps,4R,4Vs                     |
|      |             | Yellowtail flo.      | 3L,3N,3O,3Ps,4Vs                        |
|      |             | G. halibut           | 2H,3K,3L,3N,3Ps,4R                      |
|      | Canada (M)  | Redfish, beaked      | 4R,4S,4T,4RT                            |
|      | Portugal    | Cod                  | 3N                                      |
|      | Cuba        | Cod                  | 3M                                      |
|      |             | Redfish              | 3M,3N,3O                                |
|      |             | Silver hake          | 4W,6A                                   |
|      |             | Mackerel             | 6A                                      |
|      |             | Squid- <i>Illex</i>  | 4W                                      |
|      | France (M)  | Cod                  | 3Pn,4R,4Vn                              |
|      |             | Redfish              | 4R                                      |
|      | France (SP) | Cod                  | 4Vn                                     |
|      |             | A. plaice            | 4Vn                                     |
|      | Japan       | Silver hake          | 4X                                      |
|      |             | Butterfish           | 5Zw                                     |
|      |             | Argentines           | 4W,4X                                   |
|      |             | Squid- <i>Loligo</i> | 5Ze,5Zw,6A,6B                           |
|      |             | Squid- <i>Illex</i>  | 4W,4X,6B                                |
|      | Poland      | Cod                  | 2J                                      |
|      |             | Witch                | 3K                                      |
|      |             | Squid- <i>Illex</i>  | 4W                                      |
|      | Romania     | Red hake             | 5Ze                                     |
|      |             | Mackerel             | 6B                                      |
|      |             | Butterfish           | 5Zw                                     |
|      |             | Squid- <i>Illex</i>  | 5Ze,6A,6B                               |
|      | USSR        | Haddock              | 4W,4X                                   |
|      |             | Silver hake          | 4W,4X                                   |
|      |             | G. halibut           | 2G                                      |
|      |             | R. grenadier         | 2G                                      |
|      |             | Mackerel             | 4W                                      |
|      |             | Argentine            | 4W                                      |
|      |             | Capelin              | 2J                                      |
|      |             | Squid- <i>Illex</i>  | 4W                                      |
| 1981 | Canada (M)  | Cod                  | 4T,4V,4W,4X,5Z                          |
|      |             | Haddock              | 4V,4W,4X,5Z                             |
|      |             | Redfish              | 2J,3K,3L,3N,3O,3P,4R,4S,4T,4V,4W,4X,4NK |
|      |             | Pollock              | 4V,4W,4X,5Z                             |
|      |             | A. plaice            | 4T,4V,4X                                |
|      |             | Witch flounder       | 4V,4W,4X                                |
|      |             | Yellowtail flo.      | 4V,4W,4X                                |
|      |             | Winter flounder      | 4X                                      |
|      |             | Cusk                 | 4X                                      |
|      |             | White hake           | 3O,4T                                   |

Table 1. (Continued)

| Year | Country     | Species             | Division                                  |
|------|-------------|---------------------|-------------------------------------------|
| 1981 | Canada (N)  | Cod                 | 2J,3K,3L,3N,30,3Pn,3Ps,4R                 |
|      |             | Haddock             | 3Ps                                       |
|      |             | Redfish, golden     | 3K,3L,3Ps                                 |
|      |             | Redfish, beaked     | 2J,3K,3L,3M,3N,30,3Pn,3Ps,4R,4T           |
|      |             | A. plaice           | 2J,3K,3L,3N,30,3Ps,4R,4S                  |
|      |             | Witch               | 3K,3L,3N,3Pn,3Ps,4R,4T                    |
|      |             | Yellowtail flo.     | 3L,3N,30                                  |
|      |             | G. halibut          | 2H,2J,3K,3L,4T                            |
|      | Canada (M)  | Cod                 | 2J,2J-3K,3L,3M,3Ps,4R,4RS,4S              |
|      |             | Haddock             | 4R                                        |
|      |             | Redfish, beaked     | 2HJ,2J,2J-3K,3K,3L,3N,30,3Ps,4R,4RS,4S,4T |
|      |             | A. plaice           | 2J,3L,3Ps,4R                              |
|      |             | Witch               | 3L                                        |
|      | France (SP) | Cod                 | 3Pn,4R,4Vn                                |
|      |             | A. plaice           | 3N                                        |
|      |             | Yellowtail flo.     | 3N,3Ps                                    |
|      |             | Squid- <i>Illex</i> | 3Ps                                       |
|      | Poland      | Witch               | 3K                                        |
|      |             | G. halibut          | 3K                                        |
|      |             | Squid- <i>Illex</i> | 4W,4X                                     |
|      | Portugal    | Cod                 | 3M,4W                                     |
|      |             | Redfish             | 3L,3M                                     |
|      |             | Silver hake         | 30,4W                                     |
|      | USSR        | Redfish             | 4W                                        |
|      |             | Silver hake         | 4W,4X                                     |
|      |             | Squid- <i>Illex</i> | 4W                                        |
| 1982 | Canada (M)  | Cod                 | 4T,4V,4W,3X,5Z                            |
|      |             | Haddock             | 4V,4W,4X,5Y,5Z                            |
|      |             | Redfish             | 2J,3L,4R,4S,4T,4V,4W,4X,5Z,5NK            |
|      |             | Pollock             | 4V,4W,4X,5Z                               |
|      |             | A. plaice           | 4T                                        |
|      |             | Yellowtail flo.     | 4T,4V,4W                                  |
|      |             | Winter flounder     | 4T,4X                                     |
|      |             | White hake          | 4T,4W                                     |
|      | Canada (N)  | Cod                 | 2H,2J,3K,3L,3N,30,3Pn,3Ps,4R              |
|      |             | Haddock             | 30,3Ps                                    |
|      |             | Redfish, golden     | 2H,2J,3K,3L                               |
|      |             | Redfish, beaked     | 2H,2J,3K,3L,3N,3Pn,3Ps,4R                 |
|      |             | A. plaice           | 2H,3K,3L,3N,30,3Ps,4R                     |
|      |             | Witch               | 3K,3L,3N,30,3Ps                           |
|      |             | Yellowtail flo.     | 3L,3N,30,3Ps                              |
|      |             | G. halibut          | 2H,2J,3K,3L                               |
|      | Canada (M)  | Cod                 | 2J,3L,30,3Ps,4R,4S,4T                     |
|      |             | Redfish, beaked     | 2HJ,2J,3L,4R,4S,4T,4RS,4ST                |
|      |             | A. plaice           | 3L,4S                                     |
|      |             | Yellowtail flo.     | 3L                                        |
|      | France (SP) | Cod                 | 3Ps,4R,4Vn                                |
|      |             | A. plaice           | 3L                                        |
|      |             | Squid- <i>Illex</i> | 3Ps                                       |
|      | Poland      | G. halibut          | 2J                                        |
|      | USSR        | Silver hake         | 4W                                        |

| Year | Country                  | Species             | Division                                   |
|------|--------------------------|---------------------|--------------------------------------------|
| 1983 | Canada (M)               | Cod                 | 4V,4W,4X,5Y,5Z                             |
|      |                          | Haddock             | 4V,4W,4X,5Z                                |
|      |                          | Redfish             | 4V,4W,4X,5Z                                |
|      |                          | Pollock             | 4V,4W,4X,5Y,5Z                             |
|      |                          | A. plaice           | 4V,4W,4X                                   |
|      |                          | Witch flounder      | 4V                                         |
|      |                          | Yellowtail flo.     | 4V,4W                                      |
|      |                          | Cusk                | 4V,4X                                      |
|      |                          | White hake          | 4V                                         |
|      | Canada (M) <sup>1</sup>  | Cod                 | 2J,3K,3L,3O,3Ps,4R,4Vn,4Vs,4W,4X,5Ze       |
|      |                          | Haddock             | 3L,3O,3Ps,4Vn,4Vs,4W,4X,5Ze                |
|      |                          | Redfish             | 2J,3K,3L,3Pn3Ps,4R,4S,4T,4Vn,4Vs,4W,4X,5Ze |
|      |                          | Silver hake         | 4Vs,4W,4X,5Ze                              |
|      |                          | Pollock             | 4R,4Vn,4Vs,4W,4X,5Ze                       |
|      |                          | A. plaice           | 3L,3N,3Ps,4Vn,4Vs,5Ze                      |
|      |                          | Witch flounder      | 3N,3O,3Ps,4S,4Vn,4Vs,4W,4X                 |
|      |                          | Yellowtail flo.     | 3N,3O,4Vs,4W                               |
|      |                          | G. halibut          | 2H,2J,4Vs                                  |
|      |                          | Argentines          | 4Vs                                        |
|      |                          | Squid- <i>Illex</i> | 3Pn,3Ps,4S,4Vs,4W,4X,5Ze                   |
|      | Cuba <sup>1</sup>        | Cod                 | 4W,4X                                      |
|      |                          | Haddock             | 4W,4X                                      |
|      |                          | Redfish             | 4W                                         |
|      |                          | Silver hake         | 4W,4X                                      |
|      |                          | A. plaice           | 4W,4X                                      |
|      |                          | Witch flounder      | 4W                                         |
|      |                          | Yellowtail flo.     | 4W                                         |
|      |                          | White hake          | 4W                                         |
|      |                          | Argentines          | 4W,4X                                      |
|      |                          | Squid- <i>Illex</i> | 4W,4X                                      |
|      | France (M) <sup>1</sup>  | Cod                 | 3Pn,4R,4Vn                                 |
|      |                          | Haddock             | 3Pn,4R                                     |
|      |                          | Redfish             | 4R                                         |
|      |                          | Pollock             | 4R,4Vn                                     |
|      |                          | A. plaice           | 4R                                         |
|      | France (SP) <sup>1</sup> | Cod                 | 4R                                         |
|      |                          | Haddock             | 4R                                         |
|      |                          | Pollock             | 4R                                         |
|      |                          | A. plaice           | 4R                                         |
|      |                          | Witch flounder      | 4R                                         |
|      | Italy <sup>1</sup>       | Haddock             | 4X                                         |
|      |                          | Silver hake         | 4W                                         |
|      |                          | Argentines          | 4X                                         |
|      |                          | Squid- <i>Illex</i> | 4W,4X                                      |
|      | Japan <sup>1</sup>       | Cod                 | 4W,4X                                      |
|      |                          | Haddock             | 3O,4W,4X                                   |
|      |                          | Redfish             | 3O                                         |
|      |                          | Silver hake         | 4W,4X                                      |
|      |                          | Red hake            | 4W                                         |
|      |                          | Pollock             | 4Vs,4X                                     |
|      |                          | Yellowtail flo.     | 4W                                         |
|      |                          | White hake          | 3O,4W                                      |
|      |                          | Argentines          | 4W,4X                                      |
|      |                          | Squid- <i>Illex</i> | 4W,4X                                      |
|      | Portugal <sup>1</sup>    | Cod                 | 4Vs,4W                                     |
|      |                          | Haddock             | 4Vs,4W                                     |
|      |                          | Redfish             | 4Vs                                        |
|      |                          | Silver hake         | 4Vs,4W                                     |
|      |                          | Red hake            | 4W                                         |
|      |                          | Pollock             | 4Vs                                        |
|      |                          | A. plaice           | 4Vs                                        |
|      |                          | White hake          | 4W                                         |
|      |                          | Argentines          | 4Vs                                        |
|      |                          | Squid- <i>Illex</i> | 4W                                         |

| Year | Country                 | Species             | Division                  |
|------|-------------------------|---------------------|---------------------------|
| 1983 | USSR                    | Cod                 | 4W,4X                     |
|      |                         | Haddock             | 4W,4X                     |
|      |                         | Redfish             | 4W                        |
|      |                         | Silver hake         | 4W,4X                     |
|      |                         | Red hake            | 4W,4X                     |
|      |                         | Pollock             | 4W                        |
|      |                         | A. plaice           | 4W                        |
|      |                         | Witch flounder      | 4W                        |
|      |                         | A. halibut          | 4W                        |
|      |                         | White hake          | 4W                        |
|      |                         | Mackerel            | 4W                        |
|      |                         | Argentines          | 4W,4X                     |
|      |                         | Squid- <i>Illex</i> | 4W,4X                     |
|      | Canada (N)              | Cod                 | 2J,3K,3L,3N,30,3Ps        |
|      |                         | Redfish, golden     | 2J,3K                     |
|      |                         | Redfish, beaked     | 2J,3K,3L,3Pn,3Ps          |
|      |                         | A. plaice           | 3K,3L,3N,30,3Ps           |
|      |                         | Witch               | 3K,3L,3N,30               |
|      |                         | Yellowtail flo.     | 3L,3N,30,3Ps              |
|      |                         | G. halibut          | 2H,2J,3K,3L,3N            |
|      | Canada (M) <sup>2</sup> | Cod                 | 2J,2J-3K,3K,3KL,3L,30,3Ps |
|      |                         | Redfish, beaked     | 2J,2J-3K,3K,3L,3Ps        |
|      |                         | A. plaice           | 2J,3K,3L,3N               |
|      |                         | Witch               | 3K,3L                     |
|      |                         | Yellowtail flo.     | 3L                        |
|      | France (SP)             | Cod                 | 3Ps,4R,4Vn                |
|      | German Dem. Rep.        | Redfish, beaked     | 2H,2J,3K                  |
|      |                         | G. halibut          | 2H,3K                     |
|      |                         | R. grenadier        | 2H,3K                     |
|      |                         | Mackerel            | 6A,6B,6C                  |
|      | Poland                  | Cod                 | 3K                        |
|      |                         | Redfish             | 3K                        |
|      |                         | Witch               | 3K                        |
|      |                         | G. halibut          | 3K                        |
|      | USSR                    | Silver hake         | 4W                        |

<sup>1</sup> Data from Scientific Observer Program - Canada (M)

<sup>2</sup> Data from Scientific Observer Program - Canada (N)

Table 2. List of sampling data reported for 1979-1983.

### Bulgaria (National)

| Species | NAFO Div. | Gear | Month  | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|--------|----------------|----------------|-----------|-------------|----------|
|         |           |      |        |                | No.            | No. meas. | No.         | No. aged |
| 1979    |           |      |        |                |                |           |             |          |
| RED     | 3M        | OTM  | May    | CC             | 1              | 223       | -           | -        |
| HKS     | 4W        | OTM  | Jun    | CC             | 14             | 1773/1371 | -           | -        |
|         |           |      | Jun    | CC             | 21             | 4211      | -           | 389      |
|         |           |      | Jul    | CC             | 6              | 848/540   | -           | -        |
|         |           |      | Jul    | CC             | 9              | 1767      | -           | -        |
| SQI     | 3L        | OTM  | Aug 19 | CC             | 1              | 200       | -           | -        |
|         | 4W        | OTM  | Jun 10 | CC             | 1              | 243/274   | -           | -        |
|         |           |      | Jul 15 | CC             | 1              | 199       | -           | -        |
|         |           |      | Aug 5  | CC             | 2              | 400       | -           | -        |
| 1980    |           |      |        |                |                |           |             |          |
| HKS     | 4W        | OTB  | Jun    | CC             | 3              | 605       | -           | -        |
|         |           |      | Jul    | CC             | 2              | 392       | -           | -        |

### Canada (M) (National)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| COD     | 2J        | OTB  | Feb   | CL             | 1              | 323       | 1           | 57       |
|         | 3K        | OTB  | Mar   | CL             | 3              | 920       | 3           | 143      |
|         |           |      | Apr   | CL             | 2              | 608       | 2           | 102      |
|         |           |      | May   | CL             | 1              | 310       | 1           | 60       |
|         | 3L        | OTB  | Jun   | CL             | 1              | 353       | 1           | 52       |
|         | 3O        | OTB  | Jun   | CL             | 2              | 614       | 2           | 61       |
|         |           |      | Nov   | CL             | 1              | 386       | 1           | 65       |
|         | 3P        | OTB  | Feb   | CL             | 1              | 280       | 1           | 60       |
|         | 4R        | OTB  | Jan   | CL             | 4              | 1431      | 4           | 183      |
|         |           |      | May   | CL             | 1              | 200       | 1           | 31       |
|         |           | OTM  | May   | CL             | 3              | 612       | 3           | 119      |
|         |           | MISC | May   | CL             | 2              | 400       | 2           | 84       |
|         | 4S        | OTB  | May   | CL             | 1              | 220       | -           | -        |
|         | 4T        | OTB  | May   | CL             | 7              | 1399      | 7           | 246      |
|         |           |      | Jun   | CL             | 1              | 200       | 1           | 35       |
|         |           |      | Aug   | CL             | 1              | 200       | 1           | 26       |
|         |           |      | Oct   | CL             | 2              | 400       | 2           | 54       |
|         |           |      | Nov   | CL             | 7              | 2014      | 7           | 272      |
|         |           |      | Dec   | CL             | 4              | 1021      | 4           | 170      |
|         |           |      |       |                |                |           |             |          |
|         | SDN       |      | May   | CL             | 2              | 400       | 2           | 83       |
|         |           |      | Jun   | CL             | 7              | 1415      | 7           | 221      |
|         |           |      | Jul   | CL             | 4              | 799       | 4           | 135      |
|         |           |      | Aug   | CL             | 7              | 1417      | 7           | 232      |
|         |           |      | Sep   | CL             | 1              | 200       | 1           | 26       |
|         | GN        |      | Jun   | CL             | 1              | 136       | 1           | 35       |
|         |           |      | Jul   | CL             | 1              | 200       | 1           | 40       |
|         |           |      | Aug   | CL             | 2              | 400       | 2           | 84       |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
|         |           | LHP  | Jun   | CL             | 4              | 800       | 4           | 145      |
|         |           |      | Jul   | CL             | 5              | 1000      | 5           | 212      |
|         |           |      | Aug   | CL             | 2              | 400       | 2           | 69       |
|         |           |      | Nov   | CL             | 1              | 200       | 1           | 29       |
|         | 4V        | OTB  | Jan   | CL             | 5              | 1510      | 5           | 201      |
|         |           |      | Feb   | CL             | 6              | 1962      | 6           | 215      |
|         |           |      | Mar   | CL             | 1              | 394       | 1           | 41       |
|         |           |      | May   | CL             | 5              | 1756      | 5           | 217      |
|         |           |      | Jun   | CL             | 2              | 393       | 2           | 83       |
|         |           |      | Jul   | CL             | 2              | 504       | 2           | 104      |
|         |           |      | Oct   | CL             | 4              | 1276      | 4           | 196      |
|         |           |      | Nov   | CL             | 4              | 1242      | 4           | 209      |
|         |           |      | Dec   | CL             | 1              | 272       | 1           | 41       |
|         |           | LL   | Jun   | CL             | 1              | 307       | 1           | 43       |
|         |           |      | Jul   | CL             | 1              | 303       | 1           | 62       |
|         | 4W        | OTB  | Jan   | CL             | 1              | 224       | 1           | 45       |
|         |           |      | May   | CL             | 5              | 1692      | 5           | 198      |
|         |           |      | Jun   | CL             | 1              | 319       | 1           | 49       |
|         |           |      | Jul   | CL             | 2              | 645       | 2           | 74       |
|         |           |      | Aug   | CL             | 2              | 616       | 2           | 71       |
|         |           |      | Oct   | CL             | 2              | 765       | 2           | 93       |
|         |           |      | Nov   | CL             | 1              | 265       | 1           | 39       |
|         |           | SDN  | Jul   | CL             | 3              | 765       | 3           | 95       |
|         |           |      | Aug   | CL             | 2              | 620       | 2           | 66       |
|         |           |      | Sep   | CL             | 2              | 491       | 2           | 58       |
|         |           |      | Nov   | CL             | 3              | 787       | 3           | 107      |
|         |           | LL   | Apr   | CL             | 1              | 360       | 1           | 53       |
|         |           |      | May   | CL             | 1              | 219       | 1           | 50       |
|         |           |      | Jun   | CL             | 3              | 870       | 3           | 153      |
|         |           |      | Jul   | CL             | 3              | 822       | 3           | 129      |
|         |           |      | Aug   | CL             | 2              | 570       | 2           | 70       |
|         |           |      | Sep   | CL             | 1              | 306       | 1           | 42       |
|         |           |      | Nov   | CL             | 1              | 278       | 1           | 62       |
|         |           |      | Dec   | CL             | 1              | 223       | 1           | 52       |
|         | 4X        | LHP  | Jul   | CL             | 1              | 225       | 1           | 34       |
|         |           |      | Aug   | CL             | 1              | 358       | 1           | 64       |
|         |           | OTB  | Jan   | CL             | 1              | 296       | -           | -        |
|         |           |      | Feb   | CL             | 1              | 294       | 1           | 66       |
|         |           |      | Jun   | CL             | 2              | 400       | 2           | 76       |
|         |           |      | Dec   | CL             | 4              | 1212      | 4           | 245      |
|         |           | LL   | Feb   | CL             | 1              | 358       | 1           | 76       |
|         |           |      | Mar   | CL             | 1              | 278       | 1           | 57       |
|         |           |      | May   | CL             | 1              | 282       | 1           | 77       |
|         |           |      | Jun   | CL             | 2              | 440       | 2           | 120      |
|         |           |      | Jul   | CL             | 3              | 791       | 3           | 164      |
|         |           |      | Aug   | CL             | 1              | 211       | 1           | 61       |
|         |           | LHP  | Jul   | CL             | 1              | 222       | 1           | 52       |
|         |           |      | Aug   | CL             | 1              | 358       | 1           | 64       |
|         | 5Z        | OTB  | Jun   | CL             | 4              | 1239      | 4           | 250      |
|         |           |      | Jul   | CL             | 3              | 591       | 3           | 123      |
|         |           |      | Aug   | CL             | 3              | 922       | 3           | 153      |
|         |           |      | Sep   | CL             | 2              | 611       | 2           | 130      |
| HAD     | 30        | OTB  | Jun   | CL             | 1              | 170       | 1           | 25       |
|         |           |      | Dec   | CL             | 1              | 200       | 1           | 26       |
|         | 4V        | OTB  | Feb   | CL             | 1              | 204       | 1           | 21       |
|         |           |      | May   | CL             | 1              | 209       | 1           | 32       |
|         |           |      | Oct   | CL             | 1              | 241       | 1           | 50       |
|         |           |      | Dec   | CL             | 1              | 219       | 1           | 29       |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| RED     | 4W        | OTB  | May   | CL             | 1              | 237       | 1           | 27       |
|         |           |      | Jul   | CL             | 2              | 428       | 2           | 55       |
|         |           |      | Aug   | CL             | 2              | 436       | 2           | 55       |
|         |           | LL   | Mar   | CL             | 1              | 235       | 1           | 39       |
|         |           |      | May   | CL             | 1              | 215       | 1           | 30       |
|         |           |      | Jun   | CL             | 2              | 522       | 2           | 63       |
|         |           |      | Jul   | CL             | 1              | 200       | 1           | 26       |
|         |           |      | Aug   | CL             | 2              | 532       | 2           | 46       |
|         |           |      | Sep   | CL             | 2              | 357       | 2           | 52       |
|         |           |      | Nov   | CL             | 2              | 380       | 2           | 61       |
|         |           |      | Dec   | CL             | 1              | 234       | 1           | 30       |
|         | 4X        | OTB  | Jan   | CL             | 7              | 1718      | 7           | 216      |
|         |           |      | Feb   | CL             | 3              | 629       | 3           | 92       |
|         |           |      | Mar   | CL             | 7              | 1626      | 7           | 195      |
|         |           |      | Apr   | CL             | 2              | 449       | 2           | 66       |
|         |           |      | May   | CL             | 2              | 469       | 2           | 61       |
|         |           |      | Jun   | CL             | 2              | 412       | 2           | 66       |
|         |           |      | Jul   | CL             | 1              | 250       | 1           | 32       |
|         |           |      | Sep   | CL             | 1              | 201       | 1           | 30       |
|         |           |      | Oct   | CL             | 2              | 640       | 2           | 94       |
|         |           |      | Nov   | CL             | 5              | 1202      | 5           | 152      |
|         |           |      | Dec   | CL             | 4              | 762       | 4           | 116      |
|         |           | SDN  | Mar   | CL             | 1              | 211       | 1           | 32       |
|         |           |      | Feb   | CL             | 1              | 207       | 1           | 33       |
|         |           | LL   | Apr   | CL             | 1              | 251       | 1           | 38       |
|         |           |      | Jun   | CL             | 1              | 165       | 1           | 36       |
|         |           |      | Jul   | CL             | 1              | 172       | 1           | 42       |
|         |           |      | Aug   | CL             | 5              | 920       | 5           | 154      |
|         |           |      | Sep   | CL             | 1              | 170       | 1           | 32       |
|         |           |      | Nov   | CL             | 2              | 541       | 2           | 60       |
|         |           | LHP  | Aug   | CL             | 1              | 200       | 1           | 33       |
|         | 5Z        | OTB  | Feb   | CL             | 3              | 765       | 3           | 99       |
|         |           |      | Jun   | CL             | 8              | 1764      | 8           | 207      |
|         |           |      | Jul   | CL             | 3              | 542       | 3           | 87       |
|         |           |      | Aug   | CL             | 1              | 238       | 1           | 23       |
|         | 2J        | OTB  | Feb   | CL             | 1              | 196       | -           | -        |
|         |           |      | Jul   | CL             | 3              | 673       | -           | -        |
|         |           |      | Aug   | CL             | 11             | 2296      | -           | -        |
|         |           |      | Sep   | CL             | 5              | 1026      | -           | -        |
|         |           |      | Oct   | CL             | 2              | 404       | -           | -        |
|         | 3K        | OTB  | Aug   | CL             | 1              | 201       | -           | -        |
|         |           |      | Apr   | CL             | 1              | 225       | -           | -        |
|         |           |      | May   | CL             | 1              | 203       | -           | -        |
|         | 3L        | OTB  | Aug   | CL             | 1              | 204       | -           | -        |
|         |           |      | Apr   | CL             | 1              | 200       | -           | -        |
|         | 3M        | OTB  | Jul   | CL             | 1              | 216       | -           | -        |
|         | 3O        | OTB  | Jun   | CL             | 1              | 221       | -           | -        |
|         |           |      | Nov   | CL             | 2              | 400       | -           | -        |
|         | 3P        | OTB  | Jun   | CL             | 1              | 219       | -           | -        |
|         |           |      | Jul   | CL             | 2              | 524       | -           | -        |
|         |           |      | Aug   | CL             | 3              | 1034      | -           | -        |
|         |           |      | Nov   | CL             | 1              | 248       | -           | -        |
|         | 4R        | OTB  | Jun   | CL             | 2              | 400       | -           | -        |
|         |           |      | Jul   | CL             | 4              | 800       | -           | -        |
|         |           |      | Aug   | CL             | 1              | 200       | -           | -        |
|         |           |      | Nov   | CL             | 1              | 200       | -           | -        |
|         | 4S        | OTB  | Jun   | CL             | 5              | 1000      | -           | -        |
|         |           |      | Jul   | CL             | 3              | 545       | -           | -        |
|         |           |      | Aug   | CL             | 3              | 602       | -           | -        |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| POL     |           | OTM  | Jun   | CL             | 1              | 200       | -           | -        |
|         |           |      | Sep   | CL             | 1              | 200       | -           | -        |
|         |           | OTB  | Jun   | CL             | 1              | 200       | -           | -        |
|         |           |      | Jul   | CL             | 1              | 200       | -           | -        |
|         |           |      | Aug   | CL             | 1              | 200       | -           | -        |
|         |           |      | Nov   | CL             | 1              | 256       | -           | -        |
|         |           |      | Dec   | CL             | 1              | 170       | -           | -        |
|         |           | OTB  | Apr   | CL             | 1              | 209       | -           | -        |
|         |           |      | May   | CL             | 1              | 206       | -           | -        |
|         |           |      | Jun   | CL             | 7              | 1501      | -           | -        |
|         |           |      | Jul   | CL             | 7              | 1429      | -           | -        |
|         |           |      | Aug   | CL             | 7              | 1521      | -           | -        |
|         |           |      | Sep   | CL             | 1              | 332       | -           | -        |
|         |           |      | Nov   | CL             | 2              | 417       | -           | -        |
|         |           | OTB  | Jun   | CL             | 3              | 711       | -           | -        |
|         |           |      | Jul   | CL             | 2              | 511       | -           | -        |
|         |           | OTB  | Jun   | CL             | 1              | 230       | -           | -        |
|         |           |      | Dec   | CL             | 1              | 200       | -           | -        |
|         |           | OTB  | May   | CL             | 1              | 275       | -           | -        |
|         | 3P        | OTB  | Dec   | CL             | 1              | 296       | 1           | 25       |
|         |           | OTB  | Dec   | CL             | 1              | 200       | 1           | 23       |
|         |           | OTB  | Mar   | CL             | 1              | 150       | 1           | 32       |
|         |           |      | Apr   | CL             | 2              | 703       | 2           | 67       |
|         |           |      | May   | CL             | 1              | 354       | 1           | 44       |
|         |           |      | Jun   | CL             | 1              | 354       | 1           | 27       |
|         |           |      | Jul   | CL             | 8              | 2458      | 8           | 256      |
|         |           |      | Aug   | CL             | 8              | 2274      | 8           | 235      |
|         |           | OTB  | Feb   | CL             | 1              | 330       | 1           | 38       |
|         |           |      | May   | CL             | 2              | 640       | 2           | 64       |
|         |           |      | Jun   | CL             | 4              | 1279      | 4           | 123      |
|         |           |      | Jul   | CL             | 3              | 793       | 3           | 98       |
|         |           |      | Aug   | CL             | 1              | 306       | 1           | 28       |
|         |           |      | Dec   | CL             | 1              | 194       | 1           | 23       |
|         |           | FPN  | Jun   | CL             | 1              | 271       | 1           | 41       |
|         | 4X        | OTB  | Feb   | CL             | 3              | 830       | 3           | 113      |
|         |           |      | Mar   | CL             | 1              | 141       | 1           | 26       |
|         |           |      | Apr   | CL             | 1              | 208       | 1           | 22       |
|         |           |      | May   | CL             | 1              | 252       | 1           | 35       |
|         |           |      | Jun   | CL             | 3              | 981       | 3           | 115      |
|         |           |      | Jul   | CL             | 1              | 314       | 1           | 24       |
|         |           | GN   | May   | CL             | 1              | 251       | 1           | 31       |
|         |           |      | Jul   | CL             | 1              | 202       | 1           | 28       |
|         |           | MISC | Aug   | CL             | 1              | 214       | 1           | 37       |
| PLA     | 5Z        | OTB  | Jul   | CL             | 2              | 387       | 2           | 56       |
|         |           |      | Sep   | CL             | 1              | 266       | 1           | 37       |
|         | 3L        | OTB  | Jun   | CL             | 1              | 169       | 1           | 35       |
|         | 3P        | OTB  | Aug   | CL             | 1              | 215       | 1           | 41       |
|         | 4T        | OTB  | Jan   | CL             | 1              | 158       | 1           | 54       |
|         |           |      | Apr   | CL             | 1              | 201       | 1           | 33       |
|         |           |      | May   | CL             | 1              | 200       | 1           | 35       |
|         |           |      | Oct   | CL             | 1              | 220       | 1           | 34       |
|         |           |      | Nov   | CL             | 3              | 584       | 3           | 107      |
|         |           | SDN  | Jun   | CL             | 2              | 400       | 2           | 61       |
|         |           |      | Jul   | CL             | 1              | 200       | 1           | 32       |
|         |           |      | Aug   | CL             | 4              | 800       | 4           | 127      |
|         |           | GN   | Jun   | CL             | 1              | 200       | 1           | 33       |

## CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| WIT     | 2J        | OTB  | Jul   | CL             | 1              | 92        | 1           | 20       |
|         | 4T        | OTB  | Jan   | CL             | 1              | 200       | 1           | 33       |
|         | 4V        | OTB  | Mar   | CL             | 1              | 475       | 1           | 48       |
|         |           |      | Oct   | CL             | 1              | 205       | 1           | 31       |
|         |           |      |       |                |                |           |             |          |
|         |           | SDN  | Jul   | CL             | 3              | 623       | 3           | 91       |
|         |           |      | Aug   | CL             | 3              | 670       | 3           | 97       |
|         |           |      | Sep   | CL             | 1              | 215       | 1           | 32       |
|         | 4X        | OTB  | Jan   | CL             | 2              | 365       | 2           | 75       |
| FLW     | 4X        | OTB  | Jun   | CL             | 1              | 202       | -           | -        |
| CUSK    | 4W        | LL   | Jun   | CL             | 1              | 169       | -           | -        |
|         | 4X        | LL   | Jun   | CL             | 1              | 192       | -           | -        |
|         | 4V        | OTB  | Mar   | CL             | 1              | 211       | 1           | 42       |
|         |           |      | Apr   | CL             | 1              | 211       | 1           | 39       |
|         |           |      | Jun   | CL             | 1              | 201       | 1           | 54       |
|         |           |      | Jul   | CL             | 4              | 805       | 4           | 172      |
|         |           |      | Aug   | CL             | 5              | 841       | 5           | 216      |
|         |           |      | Oct   | CL             | 1              | 186       | 1           | 46       |
|         |           |      | Nov   | CL             | 2              | 429       | 2           | 87       |
|         |           |      |       |                |                |           |             |          |
|         |           | SDN  | Jun   | CL             | 1              | 205       | 1           | 39       |
|         |           | MISC | Jun   | CL             | 1              | 207       | 1           | 54       |
| <hr/>   |           |      |       |                |                |           |             |          |
|         |           |      |       | 1980           |                |           |             |          |
| COD     | 2J        | OTB  | Feb   | CL             | 1              | 335       | 1           | 57       |
|         |           |      | Apr   | CL             | 2              | 625       | 2           | 123      |
|         |           |      | May   | CL             | 2              | 651       | 2           | 94       |
|         | 3K        | OTB  | Apr   | CL             | 3              | 1094      | 3           | 180      |
|         |           |      | May   | CL             | 1              | 295       | 1           | 59       |
|         | 3N        | OTB  | Jun   | CL             | 1              | 312       | 1           | 47       |
|         | 3P        | OTB  | Jan   | CL             | 1              | 200       | 1           | 48       |
|         | 4R        | OTB  | Jan   | CL             | 1              | 358       | 1           | 39       |
|         |           |      | Feb   | CL             | 3              | 911       | 3           | 125      |
|         |           |      | Apr   | CL             | 2              | 541       | 2           | 104      |
|         |           |      | Jun   | CL             | 1              | 200       | 1           | 40       |
|         |           |      | Oct   | CL             | 1              | 200       | 1           | 24       |
|         |           |      |       |                |                |           |             |          |
|         |           | OTM  | May   | CL             | 6              | 1200      | 6           | 272      |
|         | 4S        | OTB  | May   | CL             | 1              | 215       | 1           | 36       |
|         |           |      | Jun   | CL             | 1              | 200       | 1           | 34       |
|         |           |      | Oct   | CL             | 1              | 224       | 1           | 29       |
|         | 4T        | OTB  | Feb   | CL             | 1              | 314       | 1           | 53       |
|         |           |      | Apr   | CL             | 3              | 608       | 3           | 118      |
|         |           |      | May   | CL             | 4              | 812       | 4           | 133      |
|         |           |      | Oct   | CL             | 1              | 217       | 1           | 26       |
|         |           |      |       |                |                |           |             |          |
|         |           |      |       |                |                |           |             |          |
|         | SDN       |      | Jun   | CL             | 2              | 407       | 2           | 54       |
|         |           |      | Jul   | CL             | 2              | 400       | 2           | 62       |
|         |           |      | Aug   | CL             | 1              | 200       | 1           | 25       |
|         |           |      | Sep   | CL             | 2              | 412       | 2           | 68       |
|         |           |      | Oct   | CL             | 2              | 400       | 2           | 56       |
|         | GN        |      | Jul   | CL             | 1              | 200       | 1           | 39       |
|         |           |      | Aug   | CL             | 2              | 282       | 2           | 59       |
|         | LHP       | Aug  | Aug   | CL             | 1              | 200       | 1           | 32       |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
|         | 4V        | OTB  | Jan   | CL             | 10             | 3353      | 10          | 441      |
|         |           |      | Feb   | CL             | 6              | 2013      | 6           | 204      |
|         |           |      | Mar   | CL             | 12             | 4291      | 12          | 387      |
|         |           |      | Apr   | CL             | 5              | 1546      | 5           | 266      |
|         |           |      | May   | CL             | 2              | 400       | 2           | 88       |
|         |           |      | Jun   | CL             | 1              | 231       | 1           | 34       |
|         |           |      | Jul   | CL             | 2              | 480       | 2           | 78       |
|         |           |      | Aug   | CL             | 2              | 683       | 2           | 102      |
|         |           |      | Sep   | CL             | 1              | 296       | 1           | 36       |
|         |           |      | Oct   | CL             | 13             | 3800      | 13          | 597      |
|         |           |      | Nov   | CL             | 7              | 1950      | 7           | 374      |
|         |           |      | Dec   | CL             | 2              | 638       | 2           | 90       |
|         |           | LL   | Dec   | CL             | 1              | 274       | 1           | 50       |
|         |           |      |       |                |                |           |             |          |
|         | 4W        | OTB  | Feb   | CL             | 3              | 89        | 3           | 166      |
|         |           |      | Mar   | CL             | 2              | 598       | 2           | 95       |
|         |           |      | Apr   | CL             | 1              | 301       | 1           | 54       |
|         |           |      | Jun   | CL             | 1              | 232       | 1           | 53       |
|         |           |      | Aug   | CL             | 2              | 376       | 2           | 81       |
|         |           |      | Nov   | CL             | 2              | 573       | 2           | 91       |
|         |           | SDN  | Aug   | CL             | 3              | 642       | 3           | 104      |
|         |           |      | Oct   | CL             | 1              | 254       | 1           | 36       |
|         |           | LL   | Apr   | CL             | 1              | 255       | 1           | 56       |
|         |           |      | Jul   | CL             | 1              | 380       | 1           | 60       |
|         |           |      | Aug   | CL             | 1              | 208       | 1           | 48       |
|         |           |      | Sep   | CL             | 1              | 286       | 1           | 58       |
|         | 4X        | OTB  | Feb   | CL             | 2              | 486       | 2           | 103      |
|         |           |      | Mar   | CL             | 3              | 682       | 3           | 167      |
|         |           |      | Apr   | CL             | 1              | 398       | 1           | 61       |
|         |           |      | May   | CL             | 1              | 199       | 1           | 66       |
|         |           |      | Jun   | CL             | 1              | 306       | 1           | 64       |
|         |           |      | Jul   | CL             | 2              | 400       | 2           | 75       |
|         |           |      | Nov   | CL             | 3              | 686       | 3           | 180      |
|         |           |      | Dec   | CL             | 2              | 609       | 2           | 130      |
|         |           | GN   | Mar   | CL             | 1              | 230       | 1           | 39       |
|         |           |      | Jul   | CL             | 1              | 224       | 1           | 52       |
|         |           |      | Sep   | CL             | 1              | 86        | 1           | 32       |
|         |           | LL   | Feb   | CL             | 6              | 1457      | 6           | 311      |
|         |           |      | Mar   | CL             | 5              | 1129      | 5           | 259      |
|         |           |      | Apr   | CL             | 3              | 674       | 3           | 168      |
|         |           |      | May   | CL             | 2              | 458       | 2           | 134      |
|         |           |      | Jun   | CL             | 1              | 280       | 1           | 85       |
|         |           |      | Aug   | CL             | 1              | 226       | 1           | 57       |
|         |           |      | Oct   | CL             | 2              | 539       | 2           | 102      |
|         |           |      | Nov   | CL             | 3              | 669       | 3           | 184      |
|         |           |      | Dec   | CL             | 3              | 753       | 3           | 174      |
|         |           | LHP  | Mar   | CL             | 1              | 229       | 1           | 38       |
|         |           |      | May   | CL             | 1              | 295       | 1           | 52       |
|         |           |      | Jul   | CL             | 1              | 272       | 1           | 40       |
|         |           |      | Sep   | CL             | 1              | 267       | 1           | 47       |
| HAD     | 4V        | OTB  | May   | CL             | 1              | 201       | 1           | 23       |
|         |           |      |       |                |                |           |             |          |
|         |           |      | Jun   | CL             | 2              | 603       | 2           | 118      |
|         |           |      | Jul   | CL             | 4              | 1036      | 4           | 172      |
|         |           |      | Sep   | CL             | 1              | 241       | 1           | 53       |
|         |           |      | Oct   | CL             | 2              | 570       | 2           | 128      |
|         |           |      | Dec   | CL             | 1              | 334       | 1           | 65       |
|         |           |      |       |                |                |           |             |          |
|         |           |      | Mar   | CL             | 1              | 202       | 1           | 30       |
|         |           |      | Apr   | CL             | 1              | 152       | 1           | 34       |
|         |           |      | May   | CL             | 1              | 266       | 1           | 39       |
|         |           |      | Jun   | CL             | 1              | 152       | 1           | 34       |
|         |           |      | Aug   | CL             | 3              | 813       | 3           | 97       |
|         |           |      | Oct   | CL             | 2              | 456       | 2           | 60       |
|         |           |      | Nov   | CL             | 1              | 222       | 1           | 23       |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| RED     | 4W        | OTB  | Jan   | CL             | 1              | 264       | 1           | 31       |
|         |           |      | Feb   | CL             | 7              | 1669      | 7           | 229      |
|         |           |      | Mar   | CL             | 9              | 1920      | 9           | 282      |
|         |           |      | Apr   | CL             | 4              | 1097      | 4           | 123      |
|         |           |      | Jun   | CL             | 1              | 365       | 1           | 31       |
|         |           |      | Jul   | CL             | 3              | 621       | 3           | 88       |
|         |           |      | Aug   | CL             | 2              | 417       | 2           | 57       |
|         |           |      | Sep   | CL             | 1              | 200       | 1           | 22       |
|         |           |      | Oct   | CL             | 3              | 719       | 3           | 83       |
|         |           |      | Nov   | CL             | 6              | 1364      | 6           | 162      |
|         |           |      | Dec   | CL             | 2              | 413       | 2           | 53       |
|         |           | SDN  | Apr   | CL             | 2              | 469       | 2           | 67       |
|         | 4X        | LL   | Jul   | CL             | 1              | 289       | 1           | 28       |
|         |           |      | Aug   | CL             | 1              | 204       | 1           | 26       |
|         |           |      | Sep   | CL             | 2              | 459       | 2           | 59       |
|         | 4X        | OTB  | Jan   | CL             | 3              | 781       | 3           | 96       |
|         |           |      | Feb   | CL             | 10             | 2293      | 10          | 336      |
|         |           |      | Mar   | CL             | 3              | 687       | 3           | 87       |
|         |           |      | Apr   | CL             | 3              | 663       | 3           | 102      |
|         |           |      | May   | CL             | 2              | 446       | 2           | 59       |
|         |           |      | Jun   | CL             | 1              | 210       | 1           | 33       |
|         |           |      | Jul   | CL             | 1              | 265       | 1           | 38       |
|         |           |      | Aug   | CL             | 3              | 604       | 3           | 89       |
|         |           |      | Sep   | CL             | 1              | 204       | 1           | 33       |
|         |           |      | Nov   | CL             | 5              | 1042      | 5           | 170      |
|         |           |      | Dec   | CL             | 4              | 802       | 4           | 139      |
|         |           | GN   | Aug   | CL             | 1              | 204       | 1           | 24       |
|         |           |      | Sep   | CL             | 1              | 211       | 1           | 25       |
|         |           |      | Oct   | CL             | 1              | 91        | -           | -        |
|         |           | LL   | Jan   | CL             | 1              | 129       | 1           | 37       |
|         |           |      | Feb   | CL             | 1              | 214       | 1           | 31       |
|         |           |      | Mar   | CL             | 1              | 246       | 1           | 34       |
|         |           |      | Apr   | CL             | 2              | 390       | 2           | 71       |
|         |           |      | May   | CL             | 2              | 333       | 2           | 69       |
|         |           |      | Jun   | CL             | 1              | 124       | 1           | 25       |
|         |           |      | Jul   | CL             | 1              | 203       | 1           | 25       |
|         |           |      | Aug   | CL             | 1              | 200       | 1           | 24       |
|         |           |      | Oct   | CL             | 2              | 415       | 2           | 65       |
|         |           |      | Nov   | CL             | 3              | 545       | 3           | 95       |
|         |           |      | Dec   | CL             | 2              | 329       | 2           | 70       |
|         |           | LHP  | Aug   | CL             | 1              | 207       | 1           | 35       |
|         | 5Y        | OTB  | May   | CL             | 1              | 20        | 1           | 29       |
|         | 5Z        | OTB  | Feb   | CL             | 1              | 214       | 1           | 26       |
|         |           |      | Jun   | CL             | 3              | 813       | 3           | 106      |
|         |           |      | Jul   | CL             | 5              | 1209      | 5           | 136      |
|         |           |      | Aug   | CL             | 5              | 1189      | 5           | 124      |
|         |           |      | Sep   | CL             | 7              | 1980      | 7           | 161      |
|         |           |      | Oct   | CL             | 4              | 965       | 4           | 131      |
|         | 2J        | OTB  | May   | CL             | 1              | 206       | -           | -        |
|         |           |      | Sep   | CL             | 3              | 635       | -           | -        |
|         |           |      | Oct   | CL             | 1              | 265       | -           | -        |
|         | 3K        | OTB  | Apr   | CL             | 3              | 624       | -           | -        |
|         |           |      | May   | CL             | 1              | 206       | -           | -        |
|         | 3L        | OTB  | Mar   | CL             | 1              | 204       | -           | -        |
|         | 3N        | OTB  | Sep   | CL             | 1              | 233       | -           | -        |
|         | 3P        | OTB  | Aug   | CL             | 1              | 220       | -           | -        |
|         | 4R        | OTB  | Jan   | CL             | 1              | 272       | -           | -        |
|         |           |      | Feb   | CL             | 1              | 215       | -           | -        |
|         |           |      | Jul   | CL             | 2              | 400       | -           | -        |
|         |           |      | Aug   | CL             | 7              | 1400      | -           | -        |
|         |           |      | Sep   | CL             | 3              | 600       | -           | -        |

CANADA. (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| HKS     | 4S        | OTB  | Jul   | CL             | 4              | 800       | -           | -        |
|         |           |      | Aug   | CL             | 1              | 200       | -           | -        |
|         |           |      | Sep   | CL             | 2              | 399       | -           | -        |
|         |           | OTM  | Sep   | CL             | 3              | 600       | -           | -        |
|         |           |      |       |                |                |           |             |          |
|         |           | OTB  | Jun   | CL             | 2              | 400       | -           | -        |
|         |           |      | Mar   | CL             | 2              | 600       | -           | -        |
|         |           |      | May   | CL             | 3              | 619       | -           | -        |
|         |           |      | Jul   | CL             | 2              | 409       | -           | -        |
|         |           |      | Aug   | CL             | 2              | 425       | -           | -        |
|         |           |      | Sep   | CL             | 3              | 666       | -           | -        |
|         |           |      | Oct   | CL             | 1              | 215       | -           | -        |
|         |           |      | Nov   | CL             | 2              | 405       | -           | -        |
|         |           | OTM  | May   | CL             | 1              | 200       | -           | -        |
|         |           |      |       |                |                |           |             |          |
|         | 4W        | OTB  | May   | CL             | 1              | 205       | -           | -        |
|         |           |      | Jul   | CL             | 1              | 202       | -           | -        |
|         | 4X        | OTB  | Feb   | CL             | 1              | 218       | -           | -        |
|         |           |      | May   | CL             | 1              | 189       | -           | -        |
|         |           |      | Jun   | CL             | 1              | 200       | -           | -        |
|         |           |      | Jul   | CL             | 1              | 233       | -           | -        |
|         |           |      | Nov   | CL             | 3              | 607       | -           | -        |
|         |           |      | Dec   | CL             | 1              | 200       | -           | -        |
| POL     | 4X        | FPN  | Oct   | CL             | 1              | 110       | 1           | 19       |
|         |           |      |       |                |                |           |             |          |
|         | 3P        | OTB  | Jan   | CL             | 1              | 144       | 1           | 27       |
|         |           |      | Dec   | CL             | 1              | 217       | 1           | 23       |
|         | 4V        | OTB  | Feb   | CL             | 1              | 181       | 1           | 21       |
|         |           |      | Apr   | CL             | 2              | 356       | 2           | 60       |
|         |           |      | Jun   | CL             | 2              | 666       | 2           | 61       |
|         |           |      | Jul   | CL             | 1              | 307       | 1           | 25       |
|         |           |      | Oct   | CL             | 1              | 262       | 1           | 48       |
|         | 4W        | OTB  | Feb   | CL             | 6              | 1486      | 6           | 201      |
|         |           |      | Mar   | CL             | 1              | 377       | 1           | 39       |
|         |           |      | Apr   | CL             | 1              | 279       | 1           | 35       |
|         |           |      | Jul   | CL             | 1              | 167       | 1           | 27       |
|         |           |      | Oct   | CL             | 1              | 286       | 1           | 43       |
|         |           |      | Nov   | CL             | 6              | 1511      | 6           | 190      |
|         |           |      | Dec   | CL             | 5              | 1089      | 5           | 167      |
|         |           | FPN  | May   | CL             | 1              | 219       | 1           | 22       |
|         |           |      |       |                |                |           |             |          |
|         | 4X        | OTB  | Jan   | CL             | 3              | 832       | 3           | 109      |
|         |           |      | Feb   | CL             | 2              | 599       | 2           | 67       |
|         |           |      | Mar   | CL             | 2              | 519       | 2           | 70       |
|         |           |      | Apr   | CL             | 3              | 735       | 3           | 82       |
|         |           |      | May   | CL             | 3              | 661       | 3           | 186      |
|         |           |      | Jun   | CL             | 2              | 417       | 2           | 60       |
|         |           |      | Jul   | CL             | 3              | 745       | 3           | 106      |
|         |           |      | Aug   | CL             | 1              | 269       | 1           | 37       |
|         |           |      | Nov   | CL             | 4              | 792       | 4           | 153      |
|         |           |      | Dec   | CL             | 2              | 514       | 2           | 89       |
|         |           | GN   | Jun   | CL             | 1              | 236       | 1           | 27       |
|         |           |      | Dec   | CL             | 1              | 141       | 1           | 28       |
| 5Y      | OTB       | May  |       | CL             | 2              | 400       | 2           | 52       |
|         |           |      |       |                |                |           |             |          |
| 5Z      | OTB       |      | Feb   | CL             | 1              | 269       | 1           | 26       |
|         |           |      | Jun   | CL             | 1              | 216       | 1           | 27       |
|         |           |      | Jul   | CL             | 1              | 284       | 1           | 21       |
|         |           |      | Aug   | CL             | 1              | 257       | 1           | 35       |
|         |           |      | Sep   | CL             | 2              | 336       | 2           | 58       |
|         |           |      | Oct   | CL             | 4              | 899       | 4           | 144      |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| PLA     | 3K        | OTB  | Apr   | CL             | 1              | 200       | 1           | 29       |
|         | 3L        | OTB  | Jun   | CL             | 1              | 207       | 1           | 34       |
|         |           |      | Jul   | CL             | 1              | 220       | 1           | 27       |
|         |           |      | Aug   | CL             | 1              | 206       | 1           | 37       |
|         | 30        | OTB  | Aug   | CL             | 1              | 277       | 1           | 36       |
|         | 4S        | OTB  | Jun   | CL             | 1              | 200       | 1           | 33       |
|         | 4T        | OTB  | Apr   | CL             | 2              | 400       | 2           | 38       |
|         |           |      | May   | CL             | 1              | 200       | 1           | 27       |
|         |           |      | Oct   | CL             | 1              | 200       | 1           | 29       |
|         |           | SDN  | May   | CL             | 2              | 418       | 2           | 53       |
|         |           |      | Jun   | CL             | 1              | 200       | 1           | 24       |
|         |           |      | Aug   | CL             | 1              | 230       | 1           | 36       |
|         |           |      | Oct   | CL             | 1              | 200       | 1           | 34       |
|         |           | GN   | May   | CL             | 1              | 203       | 1           | 34       |
|         |           |      |       |                |                |           |             |          |
|         | 4V        | OTB  | Jan   | CL             | 1              | 202       | 1           | 35       |
|         |           |      | Feb   | CL             | 4              | 965       | 4           | 164      |
|         |           |      | May   | CL             | 6              | 1683      | 6           | 136      |
|         |           |      | Apr   | CL             | 5              | 1172      | 5           | 197      |
|         |           |      | May   | CL             | 2              | 402       | 2           | 65       |
|         |           |      | Sep   | CL             | 1              | 218       | 1           | 39       |
|         |           |      | Nov   | CL             | 2              | 429       | 2           | 55       |
|         |           | SDN  | Jun   | CL             | 2              | 388       | 2           | 72       |
|         |           |      | Jul   | CL             | 1              | 206       | 1           | 31       |
|         | 5Z        | OTB  | Jul   | CL             | 1              | 198       | 1           | 37       |
|         | 5NK       | OTB  | Aug   | CL             | 1              | 228       | 1           | 38       |
| WITCH   | 3K        | OTB  | Apr   | CL             | 1              | 161       | 1           | 29       |
|         | 4R        | OTB  | Jan   | CL             | 1              | 279       | 1           | 34       |
|         |           |      | Feb   | CL             | 1              | 199       | 1           | 26       |
|         | 4S        | OTB  | Jan   | CL             | 1              | 200       | -           | -        |
|         |           |      | Mar   | CL             | 1              | 201       | 1           | 35       |
|         | 4V        | OTB  | Jan   | CL             | 1              | 202       | 1           | 28       |
|         |           |      | Mar   | CL             | 4              | 965       | 4           | 129      |
|         |           |      | Apr   | CL             | 3              | 709       | 3           | 88       |
|         |           |      | Nov   | CL             | 1              | 268       | 1           | 32       |
|         | SDN       |      | May   | CL             | 1              | 213       | 1           | 32       |
|         |           |      | Jun   | CL             | 1              | 201       | 1           | 27       |
|         |           |      | Jul   | CL             | 1              | 212       | 1           | 33       |
|         | 4W        | OTB  | Feb   | CL             | 1              | 195       | 1           | 35       |
|         |           |      | Apr   | CL             | 1              | 205       | 1           | 30       |
|         |           |      | Dec   | CL             | 1              | 219       | 1           | 29       |
|         |           | SDN  | Apr   | CL             | 1              | 168       | 1           | 35       |
|         |           |      | Aug   | CL             | 1              | 204       | 1           | 38       |
| YEL     | 3L        | OTB  | May   | CL             | 1              | 208       | 1           | 20       |
|         |           |      | Jun   | CL             | 2              | 401       | 2           | 38       |
|         | 3N        | OTB  | Jun   | CL             | 1              | 207       | 1           | 21       |
|         | 4V        | OTB  | Apr   | CL             | 3              | 759       | 3           | 90       |
|         |           |      | May   | CL             | 5              | 1067      | 5           | 106      |
|         |           |      | Jun   | CL             | 2              | 429       | 2           | 38       |
|         |           |      | Jul   | CL             | 1              | 217       | 1           | 26       |
|         |           |      | Oct   | CL             | 1              | 201       | 1           | 23       |
|         |           |      | Nov   | CL             | 1              | 206       | 1           | 20       |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |     |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|-----|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |     |
| FLW     | 4W        | OTB  | Apr   | CL             | 1              | 218       | 1           | 25       |     |
|         | 4X        | OTB  | Aug   | CL             | 2              | 516       | 2           | 28       |     |
|         | 4T        | OTB  | Oct   | CL             | 1              | 128       | 1           | 16       |     |
|         | 4X        | OTB  | Dec   | CL             | 1              | 150       | -           | -        |     |
| CUSK    | 4X        | LL   | Apr   | CL             | 1              | 308       | -           | -        |     |
|         |           |      | Oct   | CL             | 1              | 234       | -           | -        |     |
|         |           |      | Nov   | CL             | 1              | 188       | -           | -        |     |
|         |           |      | Dec   | CL             | 1              | 189       | -           | -        |     |
| <hr/>   |           |      |       |                |                |           |             |          |     |
| 1981    |           |      |       |                |                |           |             |          |     |
| COD     | 4T        | OTB  | Apr   | CL             | 1              | 200       | 1           | 25       |     |
|         |           |      | May   | CL             | 5              | 998       | 5           | 162      |     |
|         |           |      | Jul   | CL             | 1              | 152       | 1           | 23       |     |
|         |           |      | Aug   | CL             | 1              | 200       | 1           | 32       |     |
|         |           |      | Oct   | CL             | 7              | 1453      | 7           | 140      |     |
|         |           | SDN  | Apr   | CL             | 2              | 400       | 2           | 68       |     |
|         |           |      | May   | CL             | 11             | 2220      | 11          | 339      |     |
|         |           |      | Jun   | CL             | 19             | 3876      | 19          | 521      |     |
|         |           |      | Jul   | CL             | 2              | 464       | 2           | 56       |     |
|         |           |      | Aug   | CL             | 9              | 1856      | 9           | 261      |     |
|         |           |      | Sep   | CL             | 4              | 800       | 4           | 112      |     |
|         |           |      | Oct   | CL             | 1              | 200       | 1           | 30       |     |
|         |           | GN   | Jul   | CL             | 2              | 504       | 2           | 97       |     |
|         |           |      | LL    | May            | CL             | 2         | 394         | 2        | 74  |
|         |           |      |       | Jul            | CL             | 2         | 400         | 2        | 92  |
|         |           |      |       | Aug            | CL             | 2         | 339         | 2        | 75  |
|         |           | Sep  |       | CL             | 1              | 222       | 1           | 29       |     |
|         |           | LHP  | Jun   | CL             | 5              | 1000      | 5           | 137      |     |
|         |           |      | Jul   | CL             | 2              | 400       | 2           | 50       |     |
|         |           |      | Aug   | CL             | 2              | 400       | 2           | 62       |     |
|         |           |      | Sep   | CL             | 3              | 600       | 3           | 81       |     |
|         | 4V        | OTB  | Jan   | CL             | 16             | 5384      | 16          | 618      |     |
|         |           |      | Mar   | CL             | 12             | 3023      | 12          | 470      |     |
|         |           |      | Apr   | CL             | 4              | 1267      | 4           | 248      |     |
|         |           |      | May   | CL             | 1              | 352       | 1           | 44       |     |
|         |           |      | Jun   | CL             | 3              | 796       | 3           | 137      |     |
|         |           |      | Jul   | CL             | 11             | 3411      | 11          | 505      |     |
|         |           |      | Aug   | CL             | 2              | 612       | 2           | 83       |     |
|         |           |      | Sep   | CL             | 1              | 233       | 1           | 41       |     |
|         |           |      | Oct   | CL             | 8              | 2530      | 8           | 431      |     |
|         |           |      | Nov   | CL             | 4              | 1146      | 4           | 204      |     |
|         |           |      | Dec   | CL             | 4              | 1165      | 4           | 234      |     |
|         |           | SDN  | Jul   | CL             | 1              | 253       | 1           | 24       |     |
|         |           | LL   | May   | CL             | 2              | 503       | 2           | 152      |     |
|         |           |      | Jul   | CL             | 2              | 611       | 2           | 139      |     |
|         |           |      | Aug   | CL             | 2              | 539       | 2           | 96       |     |
|         |           |      | Sep   | CL             | 1              | 292       | 1           | 65       |     |
|         |           |      | Oct   | CL             | 2              | 539       | 2           | 109      |     |
|         |           | LHP  | Jul   | CL             | 1              | 298       | 1           | 48       |     |
|         |           |      | Aug   | CL             | 1              | 271       | 1           | 48       |     |
|         |           | 4W   | OTB   | Jan            | CL             | 1         | 298         | 1        | 56  |
|         |           |      |       | Mar            | CL             | 2         | 607         | 2        | 108 |
|         | Apr       |      |       | CL             | 3              | 813       | 3           | 147      |     |
|         | Jul       |      |       | CL             | 2              | 479       | 2           | 66       |     |
|         | Oct       |      |       | CL             | 4              | 1038      | 4           | 157      |     |
|         | Dec       |      |       | CL             | 1              | 333       | 1           | 31       |     |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| HAD     | 4X        | SDN  | Sep   | CL             | 1              | 228       | 1           | 28       |
|         |           |      | Oct   | CL             | 2              | 505       | 2           | 74       |
|         |           | LL   | Jun   | CL             | 1              | 430       | 1           | 51       |
|         |           |      | Jul   | CL             | 2              | 611       | 2           | 87       |
|         |           |      | Aug   | CL             | 4              | 1022      | 4           | 177      |
|         |           |      | Oct   | CL             | 1              | 345       | 1           | 39       |
|         |           |      | Nov   | CL             | 2              | 485       | 2           | 73       |
|         |           |      | Dec   | CL             | 1              | 261       | 1           | 40       |
|         |           | LHP  | Jul   | CL             | 2              | 425       | 2           | 83       |
|         |           |      | Nov   | CL             | 1              | 105       | 1           | 35       |
|         |           | OTB  | Jan   | CL             | 2              | 442       | 2           | 112      |
|         |           |      | Feb   | CL             | 3              | 668       | 3           | 182      |
|         |           |      | Mar   | CL             | 3              | 643       | 3           | 156      |
|         |           |      | Apr   | CL             | 2              | 559       | 2           | 82       |
|         |           |      | May   | CL             | 2              | 451       | 2           | 94       |
|         |           |      | Jun   | CL             | 1              | 200       | 1           | 39       |
|         |           |      | Jul   | CL             | 1              | 281       | 1           | 59       |
|         |           |      | Aug   | CL             | 2              | 488       | 2           | 95       |
|         |           |      | Oct   | CL             | 1              | 271       | 1           | 40       |
|         |           | PTB  | Mar   | CL             | 1              | 235       | 1           | 72       |
|         |           | GN   | Apr   | CL             | 1              | 313       | 1           | 50       |
|         |           |      | Aug   | CL             | 1              | 350       | 1           | 45       |
|         |           |      | Sep   | CL             | 1              | 279       | 1           | 54       |
|         |           |      | Oct   | CL             | 2              | 568       | 2           | 90       |
|         |           | LL   | Jan   | CL             | 4              | 994       | 4           | 266      |
|         |           |      | Feb   | CL             | 3              | 560       | 3           | 171      |
|         |           |      | Mar   | CL             | 4              | 1048      | 4           | 228      |
|         |           |      | Apr   | CL             | 5              | 1243      | 5           | 283      |
|         |           |      | May   | CL             | 2              | 495       | 2           | 115      |
|         |           |      | Jun   | CL             | 4              | 665       | 4           | 236      |
|         |           |      | Sep   | CL             | 1              | 380       | 1           | 69       |
|         |           |      | Oct   | CL             | 2              | 376       | 2           | 70       |
|         |           |      | Nov   | CL             | 3              | 733       | 3           | 170      |
|         |           | LHP  | May   | CL             | 1              | 370       | 1           | 53       |
|         |           |      | Jun   | CL             | 5              | 1301      | 5           | 235      |
|         |           |      | Jul   | CL             | 3              | 746       | 3           | 178      |
|         |           | FPN  | Jun   | CL             | 1              | 218       | -           | -        |
|         | 5Z        | OTB  | Mar   | CL             | 1              | 242       | 1           | 57       |
|         |           |      | Jun   | CL             | 5              | 1261      | 5           | 297      |
|         |           |      | Jul   | CL             | 2              | 543       | 2           | 80       |
|         |           |      | Aug   | CL             | 4              | 954       | 4           | 235      |
|         |           |      | Nov   | CL             | 2              | 518       | 2           | 122      |
|         |           | LL   | Jun   | CL             | 1              | 183       | 1           | 51       |
|         |           |      | Jul   | CL             | 1              | 205       | -           | -        |
|         |           |      | Aug   | CL             | 1              | 241       | 1           | 55       |
|         |           | OTB  | Mar   | CL             | 1              | 203       | 1           | 27       |
|         |           |      | Jul   | CL             | 1              | 225       | 1           | 26       |
|         |           |      | Aug   | CL             | 3              | 530       | 3           | 75       |
|         |           |      | Sep   | CL             | 1              | 224       | 1           | 35       |
|         |           |      | Oct   | CL             | 2              | 488       | 2           | 78       |
|         |           |      | Dec   | CL             | 1              | 295       | 1           | 31       |
|         |           | SDN  | Jul   | CL             | 1              | 214       | 1           | 29       |
|         |           | LL   | Jul   | CL             | 1              | 202       | 1           | 28       |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
|         | 4W        | OTB  | Jan   | CL             | 4              | 905       | 4           | 105      |
|         |           |      | Feb   | CL             | 1              | 225       | 1           | 27       |
|         |           |      | Mar   | CL             | 15             | 4156      | 15          | 316      |
|         |           |      | Apr   | CL             | 10             | 2421      | 10          | 223      |
|         |           |      | May   | CL             | 1              | 200       | 1           | 25       |
|         |           |      | Jun   | CL             | 2              | 444       | 2           | 51       |
|         |           |      | Jul   | CL             | 2              | 480       | 2           | 53       |
|         |           |      | Sep   | CL             | 1              | 201       | 1           | 24       |
|         |           |      | Oct   | CL             | 3              | 619       | 3           | 52       |
|         |           |      | Dec   | CL             | 1              | 194       | 1           | 30       |
|         |           | SDN  | Sep   | CL             | 1              | 104       | 1           | 22       |
|         |           |      |       |                |                |           |             |          |
|         |           | GN   | Sep   | CL             | 1              | 106       | 1           | 24       |
|         |           |      |       |                |                |           |             |          |
|         |           | LL   | Feb   | CL             | 1              | 267       | 1           | 33       |
|         |           |      | Mar   | CL             | 1              | 204       | 1           | 28       |
|         |           |      | Jul   | CL             | 1              | 123       | 1           | 27       |
|         |           |      | Aug   | CL             | 3              | 578       | 3           | 70       |
|         |           |      | Sep   | CL             | 1              | 223       | 1           | 29       |
|         |           |      | Nov   | CL             | 4              | 772       | 4           | 117      |
|         | 4X        | OTB  | Jan   | CL             | 9              | 2168      | 9           | 255      |
|         |           |      | Feb   | CL             | 4              | 901       | 4           | 131      |
|         |           |      | Mar   | CL             | 5              | 1147      | 5           | 148      |
|         |           |      | Apr   | CL             | 3              | 711       | 3           | 99       |
|         |           |      | May   | CL             | 5              | 1208      | 5           | 145      |
|         |           |      | Jun   | CL             | 10             | 2530      | 10          | 302      |
|         |           |      | Jul   | CL             | 3              | 819       | 3           | 91       |
|         |           |      | Aug   | CL             | 4              | 979       | 4           | 129      |
|         |           |      | Sep   | CL             | 3              | 795       | 3           | 101      |
|         |           |      | Oct   | CL             | 2              | 447       | 2           | 58       |
|         |           |      | Dec   | CL             | 3              | 692       | 3           | 94       |
|         |           | PTB  | Jun   | CL             | 1              | 202       | 1           | 28       |
|         |           |      | Jul   | CL             | 2              | 428       | 2           | 56       |
|         |           |      | Sep   | CL             | 1              | 235       | 1           | 28       |
|         |           | GN   | Jul   | CL             | 2              | 298       | 2           | 37       |
|         |           |      | Sep   | CL             | 1              | 219       | 1           | 20       |
|         |           | LL   | Jan   | CL             | 3              | 745       | 3           | 98       |
|         |           |      | Feb   | CL             | 4              | 789       | 4           | 134      |
|         |           |      | Mar   | CL             | 2              | 462       | 2           | 71       |
|         |           |      | Apr   | CL             | 2              | 478       | 2           | 72       |
|         |           |      | May   | CL             | 2              | 487       | 2           | 62       |
|         |           |      | Jun   | CL             | 1              | 199       | -           | -        |
|         |           |      | Jul   | CL             | 2              | 306       | 2           | 48       |
|         |           |      | Aug   | CL             | 2              | 412       | 2           | 61       |
|         |           |      | Sep   | CL             | 2              | 539       | 2           | 60       |
|         |           |      | Oct   | CL             | 3              | 793       | 3           | 97       |
|         |           |      | Nov   | CL             | 2              | 499       | 2           | 65       |
|         |           | LHP  | Jun   | CL             | 1              | 109       | 1           | 29       |
|         | 5Z        | OTB  | Feb   | CL             | 1              | 266       | 1           | 29       |
|         |           |      | Mar   | CL             | 1              | 242       | 1           | 33       |
|         |           |      | Jun   | CL             | 6              | 1327      | 6           | 189      |
|         |           |      | Jul   | CL             | 4              | 874       | 4           | 104      |
|         |           |      | Aug   | CL             | 3              | 643       | 3           | 87       |
|         |           |      | Nov   | CL             | 1              | 232       | 1           | 34       |
|         |           | LL   | Jul   | CL             | 1              | 207       | 1           | 29       |
|         |           |      | Oct   | CL             | 1              | 230       | 1           | 27       |
| RED     | 2J        | OTB  | Jul   | CL             | 2              | 403       | -           | -        |
|         |           |      | Aug   | CL             | 2              | 392       | -           | -        |
|         | 3K        | OTB  | Jun   | CL             | 2              | 410       | -           | -        |
|         | 3L        | OTB  | Jan   | CL             | 1              | 200       | -           | -        |
|         |           |      | May   | CL             | 1              | 201       | -           | -        |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| POL     | 3N        | OTB  | Jul   | CL             | 1              | 239       | -           | -        |
|         | 3O        | OTB  | Jul   | CL             | 1              | 200       | -           | -        |
|         | 3P        | OTB  | May   | CL             | 1              | 200       | -           | -        |
|         |           |      | Aug   | CL             | 1              | 203       | -           | -        |
|         | 4R        | OTM  | Apr   | CL             | 1              | 200       | -           | -        |
|         |           | OTB  | Feb   | CL             | 1              | 221       | -           | -        |
|         |           |      | Jun   | CL             | 3              | 600       | -           | -        |
|         |           |      | Jul   | CL             | 8              | 1599      | -           | -        |
|         |           |      | Aug   | CL             | 9              | 1800      | -           | -        |
|         |           |      | Sep   | CL             | 2              | 400       | -           | -        |
|         |           | OTM  | Aug   | CL             | 1              | 200       | -           | -        |
|         | 4S        | OTB  | Jun   | CL             | 2              | 399       | -           | -        |
|         |           |      | Jul   | CL             | 4              | 814       | -           | -        |
|         |           |      | Aug   | CL             | 2              | 403       | -           | -        |
|         | 4T        | OTM  | Sep   | CL             | 1              | 200       | -           | -        |
|         |           | OTB  | Jun   | CL             | 2              | 415       | -           | -        |
|         | 4V        | OTB  | Oct   | CL             | 1              | 200       | -           | -        |
|         |           |      | Jan   | CL             | 1              | 205       | -           | -        |
|         |           |      | Feb   | CL             | 1              | 203       | -           | -        |
|         |           |      | Mar   | CL             | 3              | 629       | -           | -        |
|         |           |      | Apr   | CL             | 1              | 163       | -           | -        |
|         |           |      | May   | CL             | 3              | 614       | -           | -        |
|         |           |      | Jun   | CL             | 3              | 641       | -           | -        |
|         |           |      | Jul   | CL             | 6              | 1230      | -           | -        |
|         |           |      | Aug   | CL             | 4              | 790       | -           | -        |
|         |           |      | Sep   | CL             | 1              | 208       | -           | -        |
|         |           |      | Oct   | CL             | 1              | 164       | -           | -        |
|         |           |      | Nov   | CL             | 2              | 415       | -           | -        |
|         |           |      | Dec   | CL             | 1              | 197       | -           | -        |
|         | 4W        | OTB  | Jun   | CL             | 3              | 605       | -           | -        |
|         |           |      | Jul   | CL             | 1              | 200       | -           | -        |
|         | 4X        | OTB  | Jan   | CL             | 1              | 135       | -           | -        |
|         |           |      | Jun   | CL             | 1              | 208       | -           | -        |
|         |           |      | Aug   | CL             | 1              | 205       | -           | -        |
|         | 4NK       | OTB  | Aug   | CL             | 1              | 201       | -           | -        |
|         | 4V        | OTB  | Jan   | CL             | 3              | 807       | 3           | 77       |
|         |           |      | Mar   | CL             | 3              | 846       | 3           | 114      |
|         |           |      | Apr   | CL             | 3              | 851       | 3           | 85       |
|         |           |      | Jul   | CL             | 1              | 300       | 1           | 27       |
|         |           |      | Aug   | CL             | 1              | 202       | 1           | 26       |
|         |           |      | Sep   | CL             | 1              | 276       | 1           | 25       |
|         |           |      | Dec   | CL             | 1              | 264       | 1           | 33       |
|         | 4W        | OTB  | Jan   | CL             | 5              | 1203      | 5           | 144      |
|         |           |      | Feb   | CL             | 1              | 401       | 1           | 27       |
|         |           |      | Mar   | CL             | 1              | 321       | 1           | 39       |
|         |           |      | May   | CL             | 3              | 633       | 3           | 84       |
|         |           |      | Jun   | CL             | 3              | 757       | 3           | 84       |
|         |           |      | Sep   | CL             | 1              | 144       | 1           | 24       |
|         |           |      | Oct   | CL             | 1              | 301       | 1           | 39       |
|         |           |      | Dec   | CL             | 2              | 486       | 2           | 69       |
|         | GN        |      | Jul   | CL             | 1              | 234       | 1           | 26       |
|         |           |      | Aug   | CL             | 1              | 175       | 1           | 22       |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |     |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|-----|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |     |
| PLA     | 4X        | OTB  | Jan   | CL             | 1              | 308       | 1           | 39       |     |
|         |           |      | Feb   | CL             | 2              | 454       | 2           | 66       |     |
|         |           |      | Mar   | CL             | 7              | 1863      | 7           | 265      |     |
|         |           |      | Apr   | CL             | 5              | 1128      | 5           | 172      |     |
|         |           |      | Jun   | CL             | 4              | 966       | 4           | 137      |     |
|         |           |      | Aug   | CL             | 4              | 857       | 4           | 138      |     |
|         |           |      | Nov   | CL             | 5              | 1125      | 5           | 159      |     |
|         |           |      | Dec   | CL             | 1              | 231       | 1           | 30       |     |
|         |           | GN   | Apr   | CL             | 1              | 188       | 1           | 20       |     |
|         |           |      | Jun   | CL             | 2              | 417       | 2           | 53       |     |
|         |           |      | Aug   | CL             | 1              | 268       | 1           | 33       |     |
|         |           |      | Sep   | CL             | 1              | 304       | 1           | 31       |     |
|         |           |      | LL    | Apr            | CL             | 1         | 224         | 1        | 31  |
|         | 5Z        | OTB  | Mar   | CL             | 2              | 666       | 2           | 90       |     |
|         |           |      | Jun   | CL             | 2              | 532       | 2           | 64       |     |
|         |           |      | Nov   | CL             | 1              | 184       | 1           | 37       |     |
|         | 4T        | OTB  | Apr   | CL             | 1              | 200       | 1           | 26       |     |
|         |           |      | May   | CL             | 1              | 200       | 1           | 27       |     |
|         |           |      | Aug   | CL             | 2              | 389       | 2           | 77       |     |
|         |           | SDN  | May   | CL             | 2              | 402       | 2           | 60       |     |
|         |           |      | Jun   | CL             | 3              | 608       | 3           | 79       |     |
|         |           |      | Jul   | CL             | 3              | 545       | 3           | 56       |     |
|         |           |      | Aug   | CL             | 1              | 303       | 1           | 38       |     |
|         |           |      | Sep   | CL             | 1              | 200       | 1           | 20       |     |
|         |           |      | Oct   | CL             | 1              | 204       | 1           | 34       |     |
|         |           | 4V   | OTB   | Jan            | CL             | 1         | 198         | 1        | 46  |
|         |           |      |       | Feb            | CL             | 2         | 429         | 2        | 60  |
|         |           |      |       | Mar            | CL             | 3         | 646         | 3        | 91  |
|         |           |      |       | Jun            | CL             | 4         | 813         | 4        | 90  |
|         |           |      |       | Jul            | CL             | 5         | 974         | 5        | 139 |
|         |           |      |       | Aug            | CL             | 1         | 201         | 1        | 20  |
|         |           |      |       | Oct            | CL             | 2         | 360         | 2        | 69  |
|         |           |      |       | Nov            | CL             | 1         | 133         | 1        | 20  |
|         |           |      |       | Dec            | CL             | 2         | 405         | 2        | 70  |
| SDN     | Jun       |      | CL    | 1              | 201            | 1         | 35          |          |     |
|         | LL        |      | Jun   | CL             | 1              | 164       | 1           | 31       |     |
|         |           |      | Jul   | CL             | 1              | 150       | 1           | 28       |     |
| Aug     |           | CL   | 2     | 314            | 2              | 50        |             |          |     |
| WIT     | 4X        | OTB  | Apr   | CL             | 1              | 205       | 1           | 32       |     |
|         |           |      | PTB   | Mar            | CL             | 1         | 130         | 1        | 42  |
|         | 4V        | OTB  | Feb   | CL             | 4              | 865       | 4           | 66       |     |
|         |           |      | Mar   | CL             | 3              | 659       | 3           | 78       |     |
|         | 4W        | OTB  | Jan   | CL             | 1              | 117       | 1           | 19       |     |
|         |           |      | Apr   | CL             | 1              | 177       | 1           | 30       |     |
|         |           | SDN  | Dec   | CL             | 1              | 208       | 1           | 26       |     |
|         | YEL       | 4X   | PTB   | Sep            | CL             | 1         | 155         | 1        | 30  |
|         |           | 4V   | OTB   | Apr            | CL             | 1         | 210         | 1        | 23  |
|         |           |      |       | May            | CL             | 1         | 201         | 1        | 18  |
| Jun     |           |      |       | CL             | 5              | 1018      | 5           | 82       |     |
| Jul     |           |      |       | CL             | 10             | 1976      | 10          | 149      |     |
| Aug     |           |      |       | CL             | 3              | 604       | 3           | 38       |     |
| Sep     |           |      |       | CL             | 2              | 408       | 2           | 30       |     |
| Oct     |           | CL   | 3     | 607            | 3              | 51        |             |          |     |
| 4W      | OTB       | Jan  | CL    | 1              | 202            | 1         | 13          |          |     |
|         |           | Jun  | CL    | 1              | 204            | 1         | 26          |          |     |
| 4X      | OTB       | Feb  | CL    | 2              | 420            | 2         | 56          |          |     |

CANADA (M)

| Species | NAFO Div: | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| FLW     | 4X        | OTB  | Mar   | CL             | 1              | 218       | 1           | 29       |
|         |           |      | Apr   | CL             | 1              | 231       | 1           | 31       |
|         |           |      | Jun   | CL             | 1              | 250       | 1           | 40       |
|         |           |      | Jul   | CL             | 1              | 219       | 1           | 34       |
|         |           |      | Aug   | CL             | 1              | 242       | 1           | 38       |
|         |           |      | Sep   | CL             | 3              | 701       | 3           | 104      |
|         |           |      | Oct   | CL             | 1              | 225       | 1           | 33       |
| CUSK    | 4X        | LL   | Jan   | CL             | 2              | 435       | -           | -        |
|         |           |      | Mar   | CL             | 1              | 285       | -           | -        |
|         |           |      | Jun   | CL             | 1              | 276       | -           | -        |
|         |           |      | Aug   | CL             | 1              | 176       | -           | -        |
|         |           |      | Oct   | CL             | 1              | 189       | -           | -        |
| HKW     | 30        | LL   | Jun   | CL             | 1              | 227       | 1           | 61       |
|         |           |      |       |                |                |           |             |          |
|         | 4T        | OTB  | Aug   | CL             | 1              | 200       | 1           | 32       |
|         |           |      |       |                |                |           |             |          |
|         |           |      |       |                |                |           |             |          |
|         |           |      |       |                |                |           |             |          |
|         |           |      |       |                |                |           |             |          |
|         |           |      |       |                |                |           |             |          |
|         |           |      |       |                |                |           |             |          |
|         |           |      |       |                |                |           |             |          |
|         |           | SDN  | Jun   | CL             | 1              | 240       | 1           | 41       |
|         |           |      | Jul   | CL             | 1              | 284       | 1           | 38       |
|         |           |      | Aug   | CL             | 3              | 600       | 3           | 73       |
|         |           |      | Sep   | CL             | 1              | 200       | 1           | 27       |
|         |           |      | Oct   | CL             | 1              | 305       | 1           | 33       |
|         |           |      |       |                |                |           |             |          |
|         |           |      |       |                |                |           |             |          |
|         |           | LL   | Oct   | CL             | 1              | 305       | 1           | 40       |

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|     |    |     |     |    |    |      |    |     |
|-----|----|-----|-----|----|----|------|----|-----|
| COD | 4T | OTB | May | CL | 11 | 4704 | 11 | 598 |
|     |    |     | Jun | CL | 8  | 2701 | 8  | 368 |
|     |    |     | Jul | CL | 2  | 400  | 2  | 80  |
|     |    |     | Oct | CL | 6  | 1800 | 6  | 74  |
|     |    |     | Nov | CL | 2  | 600  | 2  | 27  |
|     |    |     |     |    |    |      |    |     |
|     |    | SDN | May | CL | 6  | 2610 | 6  | 307 |
|     |    |     | Jun | CL | 14 | 4932 | 14 | 525 |
|     |    |     | Jul | CL | 6  | 1269 | 6  | 201 |
|     |    |     | Aug | CL | 6  | 1247 | 6  | 151 |
|     |    |     | Sep | CL | 4  | 1248 | 4  | 53  |
|     |    |     | Oct | CL | 8  | 2478 | 8  | 113 |
|     |    |     | Nov | CL | 12 | 5421 | 12 | 275 |
|     |    |     |     |    |    |      |    |     |
|     |    | GN  | Aug | CL | 2  | 290  | 2  | 61  |
|     |    |     |     |    |    |      |    |     |
|     |    | LL  | Jul | CL | 2  | 400  | 2  | 62  |
|     |    |     | Sep | CL | 4  | 1200 | 4  | 62  |
|     |    |     | Oct | CL | 2  | 600  | 2  | 24  |
|     |    |     |     |    |    |      |    |     |
|     |    | LHP | Jun | CL | 2  | 400  | 2  | 54  |
|     |    |     | Jul | CL | 1  | 200  | 1  | 30  |
|     |    |     | Aug | CL | 1  | 200  | 1  | 25  |
|     |    |     | Sep | CL | 2  | 600  | 2  | 25  |
|     |    |     | Oct | CL | 2  | 600  | 2  | 33  |
|     |    |     |     |    |    |      |    |     |
|     | 4V | OTB | Jan | CL | 6  | 1733 | 6  | 299 |
|     |    |     | Feb | CL | 16 | 5025 | 16 | 619 |
|     |    |     | Mar | CL | 20 | 5036 | 20 | 702 |
|     |    |     | Apr | CL | 8  | 2295 | 8  | 391 |
|     |    |     | May | CL | 8  | 2485 | 8  | 419 |
|     |    |     | Jun | CL | 3  | 1394 | 3  | 171 |
|     |    |     | Jul | CL | 3  | 767  | 3  | 117 |
|     |    |     | Aug | CL | 2  | 520  | 2  | 60  |
|     |    |     | Sep | CL | 2  | 623  | 2  | 77  |
|     |    |     | Oct | CL | 1  | 317  | 1  | 49  |
|     |    |     | Nov | CL | 8  | 2374 | 8  | 473 |
|     |    |     | Dec | CL | 6  | 1959 | 6  | 186 |
|     |    |     |     |    |    |      |    |     |
|     |    |     |     |    |    |      |    |     |
|     |    |     |     |    |    |      |    |     |
|     |    |     |     |    |    |      |    |     |
|     |    |     |     |    |    |      |    |     |
|     |    | SDN | May | CL | 2  | 675  | 2  | 102 |
|     |    |     | Jul | CL | 2  | 460  | 2  | 56  |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
|         | 4W        | LL   | Jan   | CL             | 1              | 327       | 1           | 55       |
|         |           |      | May   | CL             | 2              | 544       | 2           | 121      |
|         |           |      | Jun   | CL             | 7              | 3124      | 7           | 215      |
|         |           |      | Jul   | CL             | 2              | 684       | 2           | 128      |
|         |           |      | Aug   | CL             | 4              | 1034      | 4           | 222      |
|         |           |      | Sep   | CL             | 5              | 1465      | 5           | 279      |
|         |           |      | Nov   | CL             | 2              | 649       | 2           | 109      |
|         |           |      | Dec   | CL             | 2              | 394       | 2           | 88       |
|         |           | OTB  | Jan   | CL             | 1              | 257       | 1           | 48       |
|         |           |      | Mar   | CL             | 3              | 723       | 3           | 151      |
|         |           |      | Apr   | CL             | 3              | 658       | 3           | 149      |
|         |           |      | May   | CL             | 1              | 281       | 1           | 31       |
|         |           |      | Jul   | CL             | 2              | 514       | 2           | 56       |
|         |           |      | Sep   | CL             | 1              | 296       | 1           | 27       |
|         |           |      | Oct   | CL             | 2              | 453       | 2           | 56       |
|         |           |      | Nov   | CL             | 3              | 813       | 3           | 101      |
|         |           | SDN  | Jun   | CL             | 4              | 1495      | 4           | 187      |
|         |           |      | Sep   | CL             | 3              | 734       | 3           | 80       |
|         |           |      | Nov   | CL             | 4              | 839       | 4           | 102      |
|         |           | LL   | Mar   | CL             | 3              | 742       | 3           | 176      |
|         |           |      | Apr   | CL             | 1              | 336       | 1           | 72       |
|         |           |      | May   | CL             | 2              | 427       | 2           | 78       |
|         |           |      | Jun   | CL             | 4              | 1414      | 4           | 212      |
|         |           |      | Jul   | CL             | 1              | 203       | 1           | 46       |
|         |           |      | Aug   | CL             | 1              | 205       | 1           | 38       |
|         |           |      | Sep   | CL             | 1              | 186       | 1           | 47       |
|         |           | LHP  | Jun   | CL             | 1              | 121       | 1           | 32       |
|         | 4X        | OTB  | Feb   | CL             | 1              | 364       | 1           | 44       |
|         |           |      | Mar   | CL             | 2              | 560       | 2           | 85       |
|         |           |      | Apr   | CL             | 4              | 1150      | 4           | 172      |
|         |           |      | May   | CL             | 3              | 740       | 3           | 168      |
|         |           |      | Jun   | CL             | 3              | 750       | 3           | 155      |
|         |           |      | Jul   | CL             | 1              | 204       | 1           | 57       |
|         |           |      | Sep   | CL             | 2              | 493       | 2           | 97       |
|         |           |      | Oct   | CL             | 2              | 617       | 2           | 93       |
|         |           | GN   | Sep   | CL             | 1              | 110       | 1           | 42       |
|         |           |      | Oct   | CL             | 2              | 95        | 2           | 45       |
|         |           |      | Nov   | CL             | 1              | 59        | 1           | 20       |
|         |           | LL   | Jan   | CL             | 1              | 211       | 1           | 71       |
|         |           |      | Feb   | CL             | 2              | 576       | 2           | 107      |
|         |           |      | Mar   | CL             | 3              | 737       | 3           | 161      |
|         |           |      | Apr   | CL             | 2              | 547       | 2           | 125      |
|         |           |      | May   | CL             | 1              | 187       | 1           | 55       |
|         |           |      | Sep   | CL             | 4              | 710       | 4           | 206      |
|         |           |      | Nov   | CL             | 2              | 447       | 2           | 107      |
|         |           |      | Dec   | CL             | 1              | 283       | 1           | 55       |
|         |           | LHP  | Jun   | CL             | 4              | 669       | 4           | 151      |
|         |           |      | Jul   | CL             | 1              | 85        | 1           | 35       |
|         |           |      | Aug   | CL             | 1              | 135       | 1           | 29       |
|         | 5Z        | OTB  | Jun   | CL             | 1              | 486       | -           | -        |
|         |           |      | Jul   | CL             | 2              | 577       | 2           | 84       |
|         |           |      | Aug   | CL             | 3              | 785       | 3           | 157      |
|         |           |      | Sep   | CL             | 4              | 1159      | 4           | 194      |
|         |           |      | Oct   | CL             | 3              | 876       | 3           | 160      |
|         |           |      | Nov   | CL             | 2              | 554       | 2           | 110      |
|         |           | LL   | May   | CL             | 1              | 218       | 1           | 52       |
|         |           |      | Jun   | CL             | 1              | 293       | 1           | 51       |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| HAD     | 4V        | OTB  | Feb   | CL             | 1              | 231       | 1           | 27       |
|         |           |      | Mar   | CL             | 1              | 232       | 1           | 33       |
|         |           |      | Apr   | CL             | 2              | 480       | 2           | 64       |
|         |           |      | May   | CL             | 5              | 1009      | 5           | 150      |
|         |           |      | Jun   | CL             | 2              | 411       | 2           | 60       |
|         |           |      | Jul   | CL             | 4              | 774       | 4           | 110      |
|         |           |      | Aug   | CL             | 1              | 199       | 1           | 26       |
|         |           |      | Oct   | CL             | 1              | 235       | 1           | 32       |
|         |           |      | Nov   | CL             | 2              | 390       | 2           | 73       |
|         |           | SDN  | May   | CL             | 1              | 162       | 1           | 23       |
|         | 4W        | OTB  | Jan   | CL             | 3              | 630       | 3           | 59       |
|         |           |      | Feb   | CL             | 2              | 440       | 2           | 55       |
|         |           |      | Mar   | CL             | 12             | 2987      | 12          | 358      |
|         |           |      | Apr   | CL             | 14             | 3742      | 14          | 369      |
|         |           |      | May   | CL             | 4              | 956       | 4           | 110      |
|         |           |      | Jun   | CL             | 2              | 445       | 2           | 54       |
|         |           |      | Jul   | CL             | 1              | 201       | 1           | 31       |
|         |           |      | Oct   | CL             | 2              | 415       | 2           | 47       |
|         |           |      | Nov   | CL             | 1              | 264       | 1           | 35       |
|         |           |      | Dec   | CL             | 1              | 204       | 1           | 25       |
|         |           | SDN  | Jun   | CL             | 1              | 212       | 1           | 27       |
|         |           |      | Jul   | CL             | 1              | 230       | 1           | 24       |
|         |           | LL   | Mar   | CL             | 4              | 787       | 4           | 113      |
|         |           |      | Jun   | CL             | 3              | 509       | 3           | 72       |
|         |           |      | Jul   | CL             | 1              | 186       | 1           | 28       |
|         |           |      | Aug   | CL             | 4              | 782       | 4           | 114      |
|         |           |      | Sep   | CL             | 2              | 251       | 2           | 45       |
|         |           |      | Oct   | CL             | 1              | 218       | 1           | 26       |
|         | 4X        | OTB  | Jan   | CL             | 4              | 703       | 4           | 118      |
|         |           |      | Feb   | CL             | 8              | 1865      | 8           | 260      |
|         |           |      | Mar   | CL             | 6              | 1417      | 6           | 192      |
|         |           |      | Apr   | CL             | 1              | 208       | 1           | 32       |
|         |           |      | May   | CL             | 7              | 1767      | 7           | 238      |
|         |           |      | Jun   | CL             | 10             | 2308      | 10          | 309      |
|         |           |      | Jul   | CL             | 5              | 993       | 5           | 125      |
|         |           |      | Aug   | CL             | 2              | 444       | 2           | 48       |
|         |           |      | Sep   | CL             | 9              | 1998      | 9           | 283      |
|         |           |      | Oct   | CL             | 5              | 1123      | 5           | 145      |
|         |           |      | Nov   | CL             | 3              | 720       | 3           | 90       |
|         |           |      | Dec   | CL             | 1              | 214       | 1           | 31       |
|         |           | GN   | Jul   | CL             | 3              | 459       | 3           | 38       |
|         |           |      | Aug   | CL             | 1              | 255       | 1           | 19       |
|         |           |      | Sep   | CL             | 5              | 431       | 5           | 110      |
|         |           |      | Oct   | CL             | 3              | 309       | 3           | 47       |
|         |           | LL   | Feb   | CL             | 3              | 635       | 3           | 104      |
|         |           |      | May   | CL             | 2              | 362       | 2           | 68       |
|         |           |      | Jun   | CL             | 1              | 231       | 1           | 29       |
|         |           |      | Jul   | CL             | 1              | 194       | 1           | 33       |
|         |           |      | Aug   | CL             | 3              | 614       | 3           | 81       |
|         |           |      | Sep   | CL             | 2              | 457       | 2           | 54       |
|         |           |      | Oct   | CL             | 3              | 571       | 3           | 82       |
|         |           |      | Nov   | CL             | 4              | 770       | 4           | 89       |
|         |           |      | Dec   | CL             | 1              | 152       | 1           | 27       |
|         |           | LHP  | May   | CL             | 1              | 65        | 1           | 17       |
|         |           |      | Jun   | CL             | 1              | 141       | -           | -        |
|         | 5Y        | OTB  | Oct   | CL             | 1              | 235       | 1           | 27       |
|         | 5Z        | OTB  | Jun   | CL             | 2              | 369       | 2           | 49       |
|         |           |      | Aug   | CL             | 2              | 372       | 2           | 49       |
|         |           |      | Sep   | CL             | 4              | 826       | 4           | 114      |
|         |           |      | Oct   | CL             | 4              | 837       | 4           | 135      |
|         |           |      | Nov   | CL             | 5              | 1042      | 5           | 153      |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| RED     | 2J        | OTB  | Jul   | CL             | 2              | 405       | -           | -        |
|         |           |      | Aug   | CL             | 1              | 202       | -           | -        |
|         |           |      | Sep   | CL             | 4              | 790       | -           | -        |
|         | 3L        | OTB  | Sep   | CL             | 1              | 201       | -           | -        |
|         |           |      | Dec   | CL             | 1              | 201       | -           | -        |
|         | 4R        | OTB  | Jun   | CL             | 9              | 1815      | -           | -        |
|         |           |      | Jul   | CL             | 7              | 1400      | -           | -        |
|         |           | OTM  | Apr   | CL             | 1              | 200       | -           | -        |
|         | 4S        | OTB  | May   | CL             | 1              | 209       | -           | -        |
|         |           |      | Jun   | CL             | 1              | 191       | -           | -        |
|         |           |      | Jul   | CL             | 9              | 1826      | -           | -        |
|         |           |      | Aug   | CL             | 12             | 2407      | -           | -        |
|         |           |      | Sep   | CL             | 1              | 200       | -           | -        |
|         |           |      | Nov   | CL             | 2              | 400       | -           | -        |
|         |           | OTM  | Jul   | CL             | 1              | 213       | -           | -        |
|         | 4T        | OTB  | Jun   | CL             | 1              | 200       | -           | -        |
|         | 4V        | OTB  | May   | CL             | 2              | 375       | -           | -        |
|         |           |      | Aug   | CL             | 7              | 1419      | -           | -        |
|         |           |      | Sep   | CL             | 2              | 410       | -           | -        |
|         |           |      | Oct   | CL             | 2              | 370       | -           | -        |
|         |           |      | Nov   | CL             | 2              | 1006      | -           | -        |
|         | 4W        | OTB  | Mar   | CL             | 1              | 209       | -           | -        |
|         |           |      | Jun   | CL             | 1              | 240       | -           | -        |
|         |           |      | Dec   | CL             | 1              | 130       | -           | -        |
|         | 4X        | OTB  | Feb   | CL             | 1              | 208       | -           | -        |
|         |           |      | May   | CL             | 1              | 217       | -           | -        |
|         |           |      | Aug   | CL             | 3              | 653       | -           | -        |
|         |           |      | Sep   | CL             | 1              | 240       | -           | -        |
|         |           |      | Nov   | CL             | 6              | 1288      | -           | -        |
|         |           |      | Dec   | CL             | 4              | 803       | -           | -        |
|         | 5Z        | OTB  | Sep   | CL             | 1              | 201       | -           | -        |
|         | 5NK       | OTB  | Sep   | CL             | 1              | 201       | -           | -        |
| POL     | 4V        | OTB  | Feb   | CL             | 1              | 188       | 1           | 34       |
|         |           |      | Apr   | CL             | 1              | 317       | 1           | 47       |
|         |           |      | May   | CL             | 2              | 378       | 2           | 41       |
|         |           |      | Jun   | CL             | 1              | 301       | 1           | 39       |
|         |           |      | Jul   | CL             | 1              | 238       | 1           | 32       |
|         |           |      | Aug   | CL             | 2              | 490       | 2           | 73       |
|         |           |      | Oct   | CL             | 1              | 281       | 1           | 49       |
|         | 4W        | OTB  | Jan   | CL             | 2              | 551       | 2           | 63       |
|         |           |      | Feb   | CL             | 1              | 260       | 1           | 31       |
|         |           |      | Mar   | CL             | 1              | 296       | 1           | 50       |
|         |           |      | Apr   | CL             | 2              | 370       | 2           | 54       |
|         |           |      | May   | CL             | 1              | 366       | 1           | 44       |
|         |           |      | Jun   | CL             | 3              | 831       | 3           | 100      |
|         |           |      | Aug   | CL             | 1              | 229       | 1           | 40       |
|         |           |      | Nov   | CL             | 2              | 465       | 2           | 82       |
|         |           |      | Dec   | CL             | 4              | 942       | 4           | 144      |
|         |           | GN   | Jul   | CL             | 1              | 134       | 1           | 27       |
|         |           |      | Oct   | CL             | 1              | 199       | 1           | 19       |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| PLA     | 4X        | OTB  | Jan   | CL             | 1              | 205       | 1           | 22       |
|         |           |      | Feb   | CL             | 3              | 738       | 3           | 111      |
|         |           |      | Mar   | CL             | 3              | 790       | 3           | 103      |
|         |           |      | Apr   | CL             | 5              | 1082      | 5           | 168      |
|         |           |      | May   | CL             | 8              | 2031      | 8           | 269      |
|         |           |      | Jun   | CL             | 3              | 774       | 3           | 105      |
|         |           |      | Jul   | CL             | 5              | 1205      | 5           | 228      |
|         |           |      | Aug   | CL             | 3              | 665       | 3           | 114      |
|         |           |      | Sep   | CL             | 1              | 218       | 1           | 38       |
|         |           |      | Oct   | CL             | 2              | 508       | 2           | 61       |
|         |           |      | Dec   | CL             | 2              | 431       | 2           | 70       |
|         |           | GN   | Apr   | CL             | 1              | 269       | 1           | 32       |
|         |           |      | May   | CL             | 2              | 524       | 2           | 56       |
|         |           |      | Jun   | CL             | 1              | 241       | 1           | 25       |
|         |           |      | Aug   | CL             | 3              | 695       | 3           | 87       |
|         |           |      | Nov   | CL             | 3              | 172       | 3           | 65       |
|         |           | MISC | Jun   | CL             | 1              | 193       | 1           | 49       |
|         |           |      | Jul   | CL             | 1              | 178       | 1           | 42       |
|         | 5Z        | OTB  | Feb   | CL             | 1              | 227       | 1           | 35       |
|         |           |      | Sep   | CL             | 1              | 226       | 1           | 46       |
|         |           |      | Oct   | CL             | 3              | 655       | 3           | 109      |
|         |           |      | Nov   | CL             | 2              | 568       | 2           | 72       |
|         | 4T        | OTB  | May   | CL             | 2              | 400       | 2           | 65       |
|         |           |      | Jun   | CL             | 5              | 1016      | 5           | 152      |
|         |           | SDN  | May   | CL             | 2              | 435       | 2           | 55       |
|         |           |      | Jun   | CL             | 1              | 200       | 1           | 27       |
|         |           |      | Jul   | CL             | 4              | 834       | 4           | 112      |
|         |           |      | Aug   | CL             | 3              | 548       | 3           | 81       |
| Nov     |           |      | CL    | 2              | 400            | 2         | 70          |          |
| YEL     | 4T        | SDN  | Jul   | CL             | 1              | 62        | 1           | 11       |
|         |           |      |       |                |                |           |             |          |
|         | 4V        | OTB  | Apr   | CL             | 2              | 386       | 2           | 38       |
|         |           |      | May   | CL             | 5              | 949       | 5           | 108      |
|         |           |      | Jun   | CL             | 2              | 406       | 2           | 49       |
|         |           |      | Aug   | CL             | 2              | 404       | 2           | 48       |
|         |           |      | Sep   | CL             | 4              | 794       | 4           | 93       |
|         |           |      | Oct   | CL             | 1              | 197       | 1           | 21       |
| Nov     | CL        | 5    | 984   | 5              | 119            |           |             |          |
| Dec     | CL        | 2    | 416   | 2              | 49             |           |             |          |
| FLW     | 4W        | OTB  | Nov   | CL             | 2              | 405       | 2           | 24       |
|         |           |      |       |                |                |           |             |          |
|         | 4T        | OTB  | Aug   | CL             | 2              | 400       | 2           | 20       |
|         |           |      |       |                |                |           |             |          |
|         |           |      |       |                |                |           |             |          |
|         | SDN       | Aug  | CL    | 1              | 136            | 1         | 17          |          |
|         |           |      |       |                |                |           |             |          |
| GN      | Jul       | CL   | 2     | 400            | 2              | 36        |             |          |
|         |           |      |       |                |                |           |             |          |
| HKW     | 4X        | OTB  | Feb   | CL             | 1              | 201       | 1           | 23       |
|         |           |      | Apr   | CL             | 2              | 540       | 2           | 79       |
|         |           |      | May   | CL             | 1              | 255       | 1           | 34       |
|         |           |      | Jun   | CL             | 1              | 312       | 1           | 42       |
|         |           |      | Jul   | CL             | 1              | 195       | 1           | 38       |
|         |           |      | Aug   | CL             | 3              | 568       | 3           | 104      |
|         |           |      | Sep   | CL             | 1              | 210       | 1           | 23       |
|         |           |      | Oct   | CL             | 3              | 814       | 3           | 103      |
|         | 4T        | OTB  | Jun   | CL             | 1              | 200       | 1           | 27       |
|         |           |      | Jul   | CL             | 1              | 200       | 1           | 36       |
|         |           | SDN  | Jun   | CL             | 3              | 502       | 3           | 113      |
|         |           |      | Aug   | CL             | 1              | 200       | 1           | 28       |
|         |           | GN   | Jul   | CL             | 3              | 369       | 2           | 53       |
|         |           |      | Aug   | CL             | 4              | 914       | 4           | 115      |
| LL      | Aug       | CL   | 2     | 319            | 2              | 51        |             |          |
|         |           |      |       |                |                |           |             |          |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
|         |           | LHP  | Aug   | CL             | 1              | 53        | 1           | 34       |
|         | 4W        | LL   | Oct   | CL             | 1              | 122       | 1           | 34       |
| <hr/>   |           |      |       |                |                |           |             |          |
| 1983    |           |      |       |                |                |           |             |          |
| COD     | 4V        | OTB  | Jan   | CL             | 7              | 1835      | 7           | 347      |
|         |           |      | Feb   | CL             | 5              | 1557      | 5           | 178      |
|         |           |      | Mar   | CL             | 11             | 3314      | 11          | 493      |
|         |           |      | Apr   | CL             | 5              | 1476      | 5           | 163      |
|         |           |      | May   | CL             | 8              | 2496      | 8           | 92       |
|         |           |      | Jun   | CL             | 7              | 2125      | 7           | 272      |
|         |           |      | Jul   | CL             | 5              | 1344      | 5           | 172      |
|         |           |      | Aug   | CL             | 3              | 922       | 3           | 54       |
|         |           |      | Sep   | CL             | 4              | 1023      | 4           | 45       |
|         |           |      | Nov   | CL             | 14             | 5044      | 14          | 54       |
|         |           |      | Dec   | CL             | 11             | 3618      | -           | -        |
|         |           | SDN  | Jun   | CL             | 4              | 988       | 4           | 53       |
|         |           |      | Aug   | CL             | 1              | 354       | 1           | 45       |
|         |           |      | Sep   | CL             | 1              | 306       | -           | -        |
|         |           | LL   | Apr   | CL             | 3              | 1027      | 3           | 184      |
|         |           |      | May   | CL             | 4              | 1261      | 4           | 230      |
|         |           |      | Jun   | CL             | 2              | 727       | 2           | 136      |
|         |           |      | Jul   | CL             | 3              | 1200      | 3           | 190      |
|         |           |      | Aug   | CL             | 6              | 2030      | 6           | 183      |
|         |           |      | Sep   | CL             | 3              | 1013      | 3           | 71       |
|         |           |      | Oct   | CL             | 7              | 2123      | -           | -        |
|         |           |      | Nov   | CL             | 11             | 2919      | 11          | 156      |
|         |           |      | Dec   | CL             | 10             | 3390      | -           | -        |
|         | 4W        | OTB  | Jan   | CL             | 2              | 515       | 2           | 94       |
|         |           |      | Feb   | CL             | 1              | 219       | 1           | 23       |
|         |           |      | Mar   | CL             | 12             | 3353      | 12          | 442      |
|         |           |      | Apr   | CL             | 3              | 1538      | 5           | 31       |
|         |           |      | May   | CL             | 6              | 1720      | -           | -        |
|         |           |      | Jun   | CL             | 1              | 229       | -           | -        |
|         |           |      | Aug   | CL             | 1              | 212       | -           | -        |
|         |           |      | Oct   | CL             | 1              | 212       | 1           | 24       |
|         |           |      | Nov   | CL             | 2              | 699       | 2           | 27       |
|         |           | PTB  | Sep   | CL             | 1              | 262       | -           | -        |
|         |           |      | Nov   | CL             | 2              | 386       | -           | -        |
|         |           | SDN  | Apr   | CL             | 3              | 646       | 3           | 91       |
|         |           |      | Jun   | CL             | 3              | 667       | 3           | 87       |
|         |           |      | Aug   | CL             | 5              | 1052      | 5           | 127      |
|         |           |      | Sep   | CL             | 4              | 861       | -           | -        |
|         |           |      | Nov   | CL             | 4              | 884       | 4           | 28       |
|         |           | GN   | Jul   | CL             | 2              | 335       | -           | -        |
|         |           |      | Sep   | CL             | 3              | 541       | -           | -        |
|         |           | LL   | Apr   | CL             | 1              | 242       | 1           | 39       |
|         |           |      | May   | CL             | 3              | 839       | 3           | 44       |
|         |           |      | Jun   | CL             | 7              | 2190      | 7           | 150      |
|         |           |      | Aug   | CL             | 3              | 858       | 3           | 144      |
|         |           |      | Sep   | CL             | 4              | 1101      | 4           | 121      |
|         |           |      | Oct   | CL             | 1              | 389       | -           | -        |
|         | 4X        | OTB  | Jan   | CL             | 1              | 373       | 1           | 68       |
|         |           |      | Feb   | CL             | 1              | 306       | 1           | 56       |
|         |           |      | Mar   | CL             | 1              | 306       | 1           | 57       |
|         |           |      | May   | CL             | 4              | 1144      | 4           | 156      |
|         |           |      | Jun   | CL             | 2              | 533       | 2           | 91       |
|         |           |      | Jul   | CL             | 5              | 1362      | 5           | 201      |
|         |           |      | Aug   | CL             | 2              | 550       | 2           | 100      |
|         |           |      | Sep   | CL             | 7              | 2135      | 7           | 91       |
|         |           |      | Oct   | CL             | 4              | 1039      | -           | -        |
|         |           |      | Nov   | CL             | 3              | 927       | 3           | 133      |
|         |           |      | Dec   | CL             | 1              | 129       | -           | -        |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| HAD     |           | SDN  | Jun   | CL             | 1              | 227       | 1           | 41       |
|         |           | GN   | Sep   | CL             | 3              | 296       | 3           | 28       |
|         |           |      | Nov   | CL             | 1              | 166       | -           | -        |
|         |           | LL   | Jan   | CL             | 2              | 506       | 2           | 106      |
|         |           |      | Feb   | CL             | 1              | 259       | 1           | 68       |
|         |           |      | Mar   | CL             | 1              | 263       | 1           | 43       |
|         |           |      | Apr   | CL             | 1              | 192       | 1           | 51       |
|         |           |      | May   | CL             | 3              | 795       | 3           | 55       |
|         |           |      | Jun   | CL             | 3              | 660       | 3           | 118      |
|         |           |      | Jul   | CL             | 1              | 149       | 1           | 58       |
|         |           |      | Aug   | CL             | 1              | 258       | 1           | 45       |
|         |           |      | Sep   | CL             | 7              | 999       | 7           | 39       |
|         |           |      | Oct   | CL             | 5              | 900       | -           | -        |
|         |           |      | Nov   | CL             | 2              | 231       | -           | -        |
|         |           |      | Dec   | CL             | 1              | 224       | -           | -        |
|         |           | LHP  | May   | CL             | 3              | 602       | 3           | 84       |
|         |           |      | Jun   | CL             | 1              | 119       | -           | -        |
|         |           |      | Jul   | CL             | 1              | 260       | 1           | 60       |
|         |           |      | Aug   | CL             | 1              | 33        | -           | -        |
|         |           |      | Sep   | CL             | 1              | 40        | -           | -        |
|         | 5Y        | OTB  | Jul   | CL             | 1              | 277       | 1           | 49       |
|         | 5Z        | OTB  | Jan   | CL             | 1              | 179       | 1           | 47       |
|         |           |      | Jun   | CL             | 2              | 479       | 2           | 69       |
|         |           |      | Jul   | CL             | 3              | 725       | 3           | 122      |
|         |           |      | Aug   | CL             | 6              | 1681      | 6           | 277      |
|         |           |      | Sep   | CL             | 1              | 317       | -           | -        |
|         |           | SDN  | Jun   | CL             | 1              | 266       | 1           | 34       |
|         |           | LL   | Jun   | CL             | 1              | 175       | 1           | 55       |
|         | 4V        | OTB  | Jan   | CL             | 1              | 198       | 1           | 28       |
|         |           |      | Apr   | CL             | 2              | 490       | -           | -        |
|         |           |      | May   | CL             | 7              | 1599      | 7           | 116      |
|         |           |      | Jun   | CL             | 5              | 1123      | -           | -        |
|         |           |      | Jul   | CL             | 3              | 621       | 3           | 49       |
|         |           |      | Aug   | CL             | 5              | 1202      | 5           | 27       |
|         |           |      | Sep   | CL             | 3              | 621       | -           | -        |
|         |           |      | Oct   | CL             | 1              | 142       | 1           | 24       |
|         |           |      | Nov   | CL             | 1              | 253       | 1           | 33       |
|         | 4W        | OTB  | Jan   | CL             | 1              | 179       | 1           | 31       |
|         |           |      | Mar   | CL             | 11             | 2649      | 11          | 251      |
|         |           |      | Apr   | CL             | 10             | 2505      | 10          | 222      |
|         |           |      | May   | CL             | 8              | 1772      | 8           | 122      |
|         |           |      | Jun   | CL             | 2              | 529       | -           | -        |
|         |           |      | Aug   | CL             | 2              | 389       | -           | -        |
|         |           |      | Oct   | CL             | 1              | 229       | -           | -        |
|         |           | PTB  | Jun   | CL             | 1              | 207       | -           | -        |
|         |           |      | Aug   | CL             | 1              | 203       | -           | -        |
|         |           |      | Nov   | CL             | 1              | 205       | -           | -        |
|         |           | SDN  | Apr   | CL             | 1              | 226       | 1           | 25       |
|         |           |      | Jun   | CL             | 2              | 385       | 2           | 25       |
|         |           |      | Nov   | CL             | 1              | 156       | -           | -        |
|         |           | GN   | Jun   | CL             | 3              | 354       | -           | -        |
|         |           | LL   | Apr   | CL             | 3              | 622       | 3           | 31       |
|         |           |      | Jun   | CL             | 2              | 403       | 2           | 27       |
|         |           |      | Jul   | CL             | 1              | 210       | -           | -        |
|         |           |      | Sep   | CL             | 2              | 320       | 2           | 23       |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | No. | No. meas. | No. | No. aged |
|---------|-----------|------|-------|----------------|-----|-----------|-----|----------|
| RED     | 4X        | OTB  | Jan   | CL             | 10  | 2135      | 10  | 277      |
|         |           |      | Feb   | CL             | 8   | 1840      | 8   | 232      |
|         |           |      | Mar   | CL             | 6   | 1397      | 6   | 118      |
|         |           |      | Apr   | CL             | 6   | 1480      | 6   | 129      |
|         |           |      | May   | CL             | 6   | 1690      | 6   | 151      |
|         |           |      | Jun   | CL             | 7   | 1812      | 7   | 32       |
|         |           |      | Jul   | CL             | 5   | 1271      | 5   | 69       |
|         |           |      | Aug   | CL             | 8   | 1912      | 8   | 80       |
|         |           |      | Sep   | CL             | 6   | 1669      | 6   | 63       |
|         |           |      | Oct   | CL             | 4   | 1158      | 4   | 31       |
|         |           |      | Nov   | CL             | 2   | 433       | 2   | 32       |
|         |           | PTB  | Jun   | CL             | 1   | 233       | -   | -        |
|         |           |      |       |                |     |           |     |          |
|         |           | SDN  | Jun   | CL             | 1   | 215       | 1   | 32       |
|         |           |      | Feb   | CL             | 2   | 532       | 2   | 67       |
|         |           |      | Apr   | CL             | 3   | 1032      | 3   | 36       |
|         |           | GN   | May   | CL             | 1   | 71        | 1   | 14       |
|         |           |      | Jun   | CL             | 1   | 211       | -   | -        |
|         |           |      | Aug   | CL             | 1   | 87        | -   | -        |
|         |           |      | Sep   | CL             | 2   | 127       | 2   | 15       |
|         |           |      | Nov   | CL             | 1   | 38        | -   | -        |
|         |           | LL   | Feb   | CL             | 2   | 474       | 2   | 75       |
|         |           |      | Mar   | CL             | 2   | 443       | 2   | 75       |
|         |           |      | Apr   | CL             | 2   | 489       | 2   | 70       |
|         |           |      | May   | CL             | 1   | 274       | 1   | 38       |
|         |           |      | Jun   | CL             | 5   | 1011      | -   | -        |
|         |           |      | Jul   | CL             | 4   | 927       | 4   | 34       |
|         |           |      | Aug   | CL             | 6   | 1301      | 6   | 68       |
|         |           |      | Sep   | CL             | 6   | 1363      | 6   | 58       |
|         |           |      | Oct   | CL             | 3   | 769       | 3   | 33       |
|         |           |      | Nov   | CL             | 4   | 1202      | 4   | 39       |
|         |           |      | Dec   | CL             | 2   | 441       | 2   | 35       |
|         |           | LHP  | Jun   | CL             | 1   | 171       | 1   | 25       |
|         | 5Z        | OTB  | Jun   | CL             | 4   | 993       | 4   | 97       |
|         |           |      | Jul   | CL             | 2   | 459       | 2   | 64       |
|         |           |      | Aug   | CL             | 2   | 444       | 2   | 57       |
|         | 4V        | OTB  | Jan   | CL             | 1   | 207       | -   | -        |
|         |           |      | Feb   | CL             | 1   | 185       | -   | -        |
|         |           |      | Mar   | CL             | 5   | 952       | -   | -        |
|         |           |      | Jun   | CL             | 1   | 215       | -   | -        |
|         |           |      | Jul   | CL             | 2   | 307       | -   | -        |
|         |           |      | Aug   | CL             | 5   | 991       | -   | -        |
|         |           |      | Sep   | CL             | 3   | 639       | -   | -        |
|         |           |      | Oct   | CL             | 1   | 206       | -   | -        |
|         |           |      | Nov   | CL             | 3   | 888       | -   | -        |
|         |           | GN   | Sep   | CL             | 1   | 204       | -   | -        |
|         |           |      |       |                |     |           |     |          |
|         | 4W        | OTB  | Jan   | CL             | 1   | 219       | -   | -        |
|         |           |      | Mar   | CL             | 1   | 211       | -   | -        |
|         |           |      | Apr   | CL             | 1   | 200       | -   | -        |
|         |           |      | May   | CL             | 1   | 201       | -   | -        |
|         |           |      | Jun   | CL             | 3   | 684       | -   | -        |
|         |           |      | Jul   | CL             | 1   | 196       | -   | -        |
|         |           |      | Aug   | CL             | 1   | 211       | -   | -        |
|         | 4X        | OTB  | Jan   | CL             | 7   | 1484      | -   | -        |
|         |           |      | Feb   | CL             | 1   | 210       | -   | -        |
|         |           |      | May   | CL             | 1   | 271       | -   | -        |
|         |           |      | Jun   | CL             | 1   | 275       | -   | -        |
|         |           |      | Jul   | CL             | 2   | 390       | -   | -        |
|         |           |      | Aug   | CL             | 1   | 230       | -   | -        |
|         |           |      | Sep   | CL             | 2   | 445       | -   | -        |
|         |           |      | Oct   | CL             | 2   | 420       | -   | -        |
|         |           |      | Nov   | CL             | 1   | 256       | -   | -        |
|         |           |      |       |                |     |           |     |          |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| POL     | 5Z        | OTB  | Feb   | CL             | 1              | 201       | -           | -        |
|         | 4V        | OTB  | Jan   | CL             | 2              | 483       | 2           | 76       |
|         |           |      | Mar   | CL             | 1              | 240       | 1           | 32       |
|         |           |      | Apr   | CL             | 5              | 1400      | 5           | 192      |
|         |           |      | May   | CL             | 7              | 2067      | 7           | 201      |
|         |           |      | Jun   | CL             | 4              | 1079      | 4           | 108      |
|         |           |      | Jul   | CL             | 3              | 735       | 3           | 58       |
|         |           |      | Aug   | CL             | 5              | 1350      | 5           | 112      |
|         |           |      | Sep   | CL             | 4              | 941       | 4           | 86       |
|         | 4W        | OTB  | Jan   | CL             | 3              | 566       | 3           | 91       |
|         |           |      | Feb   | CL             | 1              | 247       | -           | -        |
|         |           |      | Mar   | CL             | 2              | 425       | 2           | 48       |
|         |           |      | Apr   | CL             | 5              | 1313      | 5           | 186      |
|         |           |      | May   | CL             | 3              | 648       | 3           | 113      |
|         |           |      | Jun   | CL             | 2              | 488       | 2           | 81       |
|         |           |      | Jul   | CL             | 1              | 263       | 1           | 22       |
|         |           |      | Aug   | CL             | 1              | 324       | 1           | 42       |
|         |           |      | Oct   | CL             | 1              | 280       | 1           | 27       |
|         |           |      | Nov   | CL             | 1              | 460       | 1           | 27       |
|         |           |      | Dec   | CL             | 1              | 313       | 1           | 22       |
|         |           | GN   | Jul   | CL             | 1              | 178       | 1           | 25       |
|         |           |      | Sep   | CL             | 2              | 397       | 2           | 24       |
|         | 4X        | OTB  | Jan   | CL             | 5              | 1161      | 5           | 177      |
|         |           |      | Feb   | CL             | 9              | 2445      | 9           | 369      |
|         |           |      | Mar   | CL             | 5              | 1657      | 5           | 194      |
|         |           |      | Apr   | CL             | 6              | 1384      | 6           | 192      |
|         |           |      | May   | CL             | 9              | 2316      | 9           | 281      |
|         |           |      | Jun   | CL             | 6              | 1728      | 6           | 210      |
|         |           |      | Jul   | CL             | 6              | 1670      | 6           | 224      |
|         |           |      | Aug   | CL             | 4              | 1073      | 4           | 137      |
|         |           |      | Sep   | CL             | 3              | 580       | 3           | 98       |
|         |           |      | Oct   | CL             | 1              | 215       | 1           | 39       |
|         |           |      | Nov   | CL             | 2              | 556       | 2           | 78       |
|         |           |      | Dec   | CL             | 1              | 201       | 1           | 21       |
|         |           | GN   | Apr   | CL             | 1              | 207       | 1           | 32       |
|         |           |      | May   | CL             | 1              | 242       | 1           | 38       |
|         |           |      | Jun   | CL             | 1              | 265       | 1           | 36       |
|         |           |      | Jul   | CL             | 1              | 176       | 1           | 39       |
|         |           |      | Aug   | CL             | 2              | 528       | 2           | 67       |
|         |           |      | Sep   | CL             | 2              | 250       | 2           | 34       |
|         |           |      | Nov   | CL             | 1              | 49        | 1           | 20       |
|         |           | LHP  | May   | CL             | 1              | 115       | 1           | 21       |
|         |           |      | Jun   | CL             | 1              | 230       | 1           | 22       |
|         |           |      | Jul   | CL             | 1              | 243       | 1           | 42       |
|         |           |      | Aug   | CL             | 1              | 230       | 1           | 37       |
|         |           |      | Sep   | CL             | 1              | 145       | 1           | 32       |
|         | 5Y        | LHP  | Aug   | CL             | 1              | 232       | 1           | 30       |
|         | 5Z        | OTB  | Jan   | CL             | 2              | 588       | 2           | 78       |
|         |           |      | Jun   | CL             | 5              | 1295      | 5           | 116      |
|         |           |      | Aug   | CL             | 3              | 941       | 3           | 87       |
| PLA     | 4V        | OTB  | Jan   | CL             | 2              | 459       | 2           | 107      |
|         |           |      | Feb   | CL             | 2              | 373       | 2           | 58       |
|         |           |      | Mar   | CL             | 2              | 365       | 2           | 25       |
|         |           |      | Apr   | CL             | 1              | 202       | 1           | 33       |
|         |           |      | May   | CL             | 1              | 209       | 1           | 51       |
|         |           |      | Jun   | CL             | 2              | 417       | 2           | 66       |
|         |           |      | Jul   | CL             | 3              | 692       | 3           | 117      |
|         |           |      | Aug   | CL             | 1              | 207       | 1           | 39       |
|         |           | SDN  | Jun   | CL             | 1              | 240       | 1           | 42       |
|         |           |      | Jul   | CL             | 1              | 214       | 1           | 38       |
|         |           |      | Oct   | CL             | 3              | 643       | 3           | 110      |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
|         |           | LL   | Jul   | CL             | 1              | 214       | 1           | 41       |
|         | 4W        | OTB  | Mar   | CL             | 1              | 102       | 1           | 20       |
|         |           |      | Apr   | CL             | 1              | 156       | 1           | 38       |
|         |           | LL   | Jun   | CL             | 1              | 193       | 1           | 44       |
|         | 4X        | OTB  | Feb   | CL             | 1              | 170       | 1           | 31       |
| WIT     | 4V        | OTB  | Mar   | CL             | 1              | 201       | -           | -        |
| YEL     | 4V        | OTB  | Apr   | CL             | 1              | 199       | 1           | 18       |
|         |           |      | May   | CL             | 5              | 1317      | 5           | 94       |
|         |           |      | Jul   | CL             | 3              | 645       | 3           | 65       |
|         | 4W        | OTB  | Apr   | CL             | 1              | 229       | 1           | 19       |
| CUSK    | 4V        | LL   | Sep   | CL             | 1              | 324       | -           | -        |
|         | 4X        | LL   | Aug   | CL             | 1              | 304       | -           | -        |
|         |           |      | Sep   | CL             | 1              | 291       | -           | -        |
| HKW     | 4V        | LL   | Sep   | CL             | 1              | 255       | -           | -        |

CANADA (M) - SCIENTIFIC OBSERVER PROGRAM - CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| 1983    |           |      |       |                |                |           |             |          |
| COD     | 2J        | OTB  | Jan   | CC             | 15             | 1955      | -           | -        |
|         |           |      | Feb   | CC             | 3              | 166       | -           | -        |
|         |           |      | Mar   | CC             | 6              | 953       | -           | -        |
|         |           |      | Aug   | CC             | 2              | 427       | -           | -        |
|         | 3K        | OTB  | Mar   | CC             | 5              | 475       | -           | -        |
|         |           |      | Apr   | CC             | 1              | 248       | -           | -        |
|         | 3L        | OTB  | Jan   | CC             | 3              | 471       | -           | -        |
|         |           |      | Feb   | CC             | 1              | 44        | -           | -        |
|         |           |      | Mar   | CC             | 2              | 507       | -           | -        |
|         |           |      | Apr   | CC             | 5              | 543       | -           | -        |
|         |           |      | Oct   | CC             | 1              | 14        | -           | -        |
|         |           |      | Dec   | CC             | 4              | 301       | -           | -        |
|         | 3O        | OTB  | Jan   | CC             | 2              | 225       | -           | -        |
|         |           |      | Nov   | CC             | 1              | 168       | -           | -        |
|         | 3Ps       | OTB  | Jan   | CC             | 1              | 102       | -           | -        |
|         |           |      | Jul   | CC             | 1              | 4         | -           | -        |
|         | 4R        | OTB  | Apr   | CC             | 3              | 407       | -           | -        |
|         | 4Vn       | OTB  | Jan   | CC             | 8              | 1486      | -           | -        |
|         |           |      | Feb   | CC             | 4              | 663       | -           | -        |
|         |           |      | Mar   | CC             | 1              | 56        | -           | -        |
|         |           |      | Apr   | CC             | 5              | 398       | -           | -        |
|         |           |      | Jul   | CC             | 9              | 34        | -           | -        |
|         |           |      | Sep   | CC             | 2              | 178       | -           | -        |
|         |           |      | Oct   | CC             | 2              | 416       | -           | -        |
|         |           |      | Dec   | CC             | 3              | 531       | -           | -        |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| HAD     | 4Vs       | OTB  | Jan   | CC             | 2              | 104       | -           | -        |
|         |           |      | Mar   | CC             | 22             | 2157      | -           | -        |
|         |           |      | Apr   | CC             | 15             | 1829      | -           | -        |
|         |           |      | May   | CC             | 8              | 794       | -           | -        |
|         |           |      | Jun   | CC             | 15             | 2318      | -           | -        |
|         |           |      | Jul   | CC             | 15             | 1415      | -           | -        |
|         |           |      | Sep   | CC             | 15             | 1808      | -           | -        |
|         |           |      | Oct   | CC             | 25             | 3176      | -           | -        |
|         |           |      | Nov   | CC             | 35             | 5243      | -           | -        |
|         |           |      | Dec   | CC             | 17             | 2327      | -           | -        |
|         | 4W        | OTB  | Jan   | CC             | 3              | 373       | -           | -        |
|         |           |      | Feb   | CC             | 2              | 293       | -           | -        |
|         |           |      | Mar   | CC             | 20             | 2037      | -           | -        |
|         |           |      | Apr   | CC             | 9              | 948       | -           | -        |
|         |           |      | May   | CC             | 8              | 1375      | -           | -        |
|         |           |      | Oct   | CC             | 1              | 210       | -           | -        |
|         |           |      | Nov   | CC             | 1              | 108       | -           | -        |
|         | 4X        | OTB  | Feb   | CC             | 2              | 61        | -           | -        |
|         |           |      | Jul   | CC             | 1              | 101       | -           | -        |
|         |           |      | Nov   | CC             | 1              | 6         | -           | -        |
|         |           |      | Dec   | CC             | 4              | 106       | -           | -        |
|         | 5Ze       | OTB  | Jun   | CC             | 4              | 287       | -           | -        |
|         |           |      | Jul   | CC             | 3              | 472       | -           | -        |
|         |           |      | Aug   | CC             | 15             | 1783      | -           | -        |
|         |           |      | Sep   | CC             | 2              | 20        | -           | -        |
|         |           |      | Oct   | CC             | 1              | 15        | -           | -        |
|         |           |      | Nov   | CC             | 2              | 117       | -           | -        |
|         | 3L        | OTB  | Dec   | CC             | 4              | 343       | -           | -        |
|         | 30        | OTB  | Jan   | CC             | 1              | 136       | -           | -        |
|         | 3Ps       | OTB  | Jan   | CC             | 1              | 64        | -           | -        |
|         | 4Vn       | OTB  | Apr   | CC             | 1              | 60        | -           | -        |
|         | 4Vs       | OTB  | Mar   | CC             | 5              | 179       | -           | -        |
|         |           |      | Apr   | CC             | 1              | 58        | -           | -        |
|         |           |      | Jul   | CC             | 1              | 62        | -           | -        |
|         |           |      | Sep   | CC             | 6              | 611       | -           | -        |
|         |           |      | Oct   | CC             | 5              | 527       | -           | -        |
|         |           |      | Nov   | CC             | 2              | 294       | -           | -        |
|         | 4W        | OTB  | Jan   | CC             | 1              | 66        | -           | -        |
|         |           |      | Mar   | CC             | 25             | 3512      | -           | -        |
|         |           |      | Apr   | CC             | 16             | 1954      | -           | -        |
|         |           |      | May   | CC             | 2              | 266       | -           | -        |
|         |           |      | Jun   | CC             | 2              | 268       | -           | -        |
|         |           |      | Sep   | CC             | 1              | 174       | -           | -        |
|         |           |      | Nov   | CC             | 1              | 109       | -           | -        |
|         |           |      | Dec   | CC             | 1              | 79        | -           | -        |
|         | 4X        | OTB  | Jan   | CC             | 1              | 275       | -           | -        |
|         |           |      | Feb   | CC             | 3              | 366       | -           | -        |
|         |           |      | Jul   | CC             | 2              | 266       | -           | -        |
|         |           |      | Oct   | CC             | 1              | 20        | -           | -        |
|         |           |      | Nov   | CC             | 2              | 158       | -           | -        |
|         |           |      | Dec   | CC             | 8              | 550       | -           | -        |
|         | 5Ze       | OTB  | Jun   | CC             | 1              | 44        | -           | -        |
|         |           |      | Jul   | CC             | 2              | 191       | -           | -        |
|         |           |      | Sep   | CC             | 1              | 104       | -           | -        |
|         |           |      | Oct   | CC             | 1              | 120       | -           | -        |
|         |           |      | Nov   | CC             | 1              | 96        | -           | -        |

## CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| RED     | 2J        | OTB  | Feb   | CC             | 1              | 130       | -           | -        |
|         |           |      | Mar   | CC             | 1              | 212       | -           | -        |
|         |           |      | Sep   | CC             | 1              | 202       | -           | -        |
|         | 3K        | OTB  | Mar   | CC             | 19             | 2941      | -           | -        |
|         | 3L        | OTB  | Mar   | CC             | 6              | 1268      | -           | -        |
|         |           |      | Oct   | CC             | 6              | 1488      | -           | -        |
|         | 3Pn       | OTB  | Jul   | CC             | 2              | 389       | -           | -        |
|         |           |      | Sep   | CC             | 5              | 1027      | -           | -        |
|         |           |      | Oct   | CC             | 1              | 134       | -           | -        |
|         | 3Ps       | OTB  | Jul   | CC             | 4              | 769       | -           | -        |
|         |           |      | Aug   | CC             | 10             | 2011      | -           | -        |
|         |           |      | Oct   | CC             | 1              | 139       | -           | -        |
|         | 4R        | OTB  | Jul   | CC             | 2              | 334       | -           | -        |
|         |           |      | Dec   | CC             | 8              | 1557      | -           | -        |
|         | 4S        | OTB  | Aug   | CC             | 2              | 304       | -           | -        |
|         |           |      | Sep   | CC             | 4              | 695       | -           | -        |
|         |           |      | Nov   | CC             | 4              | 827       | -           | -        |
|         |           |      | Dec   | CC             | 1              | 220       | -           | -        |
|         | 4T        | OTB  | Sep   | CC             | 1              | 87        | -           | -        |
|         | 4Vn       | OTB  | Jul   | CC             | 7              | 1502      | -           | -        |
|         |           |      | Aug   | CC             | 5              | 1016      | -           | -        |
|         |           |      | Sep   | CC             | 10             | 1557      | -           | -        |
|         |           |      | Oct   | CC             | 1              | 71        | -           | -        |
|         | 4Vs       | OTB  | Mar   | CC             | 2              | 243       | -           | -        |
|         |           |      | May   | CC             | 1              | 124       | -           | -        |
|         |           |      | Jun   | CC             | 3              | 561       | -           | -        |
|         |           |      | Jul   | CC             | 1              | 96        | -           | -        |
|         |           |      | Aug   | CC             | 6              | 1254      | -           | -        |
|         |           |      | Sep   | CC             | 11             | 1766      | -           | -        |
|         |           |      | Oct   | CC             | 15             | 1831      | -           | -        |
|         | 4W        | OTB  | May   | CC             | 1              | 256       | -           | -        |
|         |           |      | Jun   | CC             | 2              | 180       | -           | -        |
|         |           |      | Jul   | CC             | 14             | 1643      | -           | -        |
|         |           |      | Sep   | CC             | 11             | 1681      | -           | -        |
|         |           |      | Oct   | CC             | 12             | 2313      | -           | -        |
|         |           |      | Nov   | CC             | 3              | 560       | -           | -        |
|         |           |      | Dec   | CC             | 1              | 61        | -           | -        |
|         | 4X        | OTB  | Jul   | CC             | 2              | 169       | -           | -        |
|         |           |      | Aug   | CC             | 1              | 91        | -           | -        |
|         |           |      | Sep   | CC             | 5              | 484       | -           | -        |
|         |           |      | Oct   | CC             | 5              | 798       | -           | -        |
|         |           |      | Nov   | CC             | 7              | 1268      | -           | -        |
|         |           |      | Dec   | CC             | 7              | 773       | -           | -        |
|         | 5Ze       | OTB  | Sep   | CC             | 1              | 1         | -           | -        |
| HKS     | 4Vs       | OTB  | Apr   | CC             | 1              | 1         | -           | -        |
|         |           |      | Sep   | CC             | 2              | 105       | -           | -        |
|         |           |      | Oct   | CC             | 3              | 54        | -           | -        |
|         |           |      | Nov   | CC             | 6              | 495       | -           | -        |
|         | 4W        | OTB  | Jan   | CC             | 1              | 32        | -           | -        |
|         |           |      | Sep   | CC             | 3              | 148       | -           | -        |
|         |           |      | Oct   | CC             | 1              | 214       | -           | -        |
|         | 4X        | OTB  | Oct   | CC             | 1              | 47        | -           | -        |
|         |           |      | Nov   | CC             | 1              | 109       | -           | -        |
|         | 5Ze       | OTB  | Aug   | CC             | 1              | 52        | -           | -        |
|         |           |      | Oct   | CC             | 1              | 30        | -           | -        |
|         |           |      | Nov   | CC             | 1              | 104       | -           | -        |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| POL     | 4R        | OTB  | Dec   | CC             | 1              | 88        | -           | -        |
|         | 4Vn       | OTB  | Apr   | CC             | 1              | 61        | -           | -        |
|         | 4Vs       | OTB  | Mar   | CC             | 2              | 130       | -           | -        |
|         |           |      | Apr   | CC             | 1              | 125       | -           | -        |
|         |           |      | May   | CC             | 4              | 394       | -           | -        |
|         |           |      | Jun   | CC             | 7              | 1090      | -           | -        |
|         |           |      | Jul   | CC             | 3              | 247       | -           | -        |
|         |           |      | Sep   | CC             | 4              | 401       | -           | -        |
|         |           |      | Oct   | CC             | 3              | 191       | -           | -        |
|         |           |      | Nov   | CC             | 1              | 112       | -           | -        |
|         | 4W        | OTB  | Mar   | CC             | 5              | 580       | -           | -        |
|         |           |      | Apr   | CC             | 1              | 84        | -           | -        |
|         |           |      | May   | CC             | 1              | 131       | -           | -        |
|         |           |      | Jul   | CC             | 2              | 155       | -           | -        |
|         |           |      | Sep   | CC             | 2              | 110       | -           | -        |
|         |           |      | Dec   | CC             | 2              | 346       | -           | -        |
|         | 4X        | OTB  | Jan   | CC             | 1              | 47        | -           | -        |
|         |           |      | Feb   | CC             | 1              | 30        | -           | -        |
|         |           |      | Mar   | CC             | 4              | 739       | -           | -        |
|         |           |      | Jul   | CC             | 1              | 42        | -           | -        |
|         |           |      | Sep   | CC             | 1              | 103       | -           | -        |
|         |           |      | Nov   | CC             | 3              | 256       | -           | -        |
|         |           |      | Dec   | CC             | 1              | 11        | -           | -        |
|         | 5Ze       | OTB  | Jun   | CC             | 2              | 193       | -           | -        |
|         |           |      | Jul   | CC             | 2              | 312       | -           | -        |
|         |           |      | Aug   | CC             | 3              | 319       | -           | -        |
|         |           |      | Oct   | CC             | 1              | 277       | -           | -        |
|         |           |      | Nov   | CC             | 1              | 83        | -           | -        |
| PLA     | 3L        | OTB  | Apr   | CC             | 7              | 844       | -           | -        |
|         |           |      | May   | CC             | 3              | 237       | -           | -        |
|         | 3N        | OTB  | Sep   | CC             | 1              | 157       | -           | -        |
|         |           |      | Oct   | CC             | 1              | 200       | -           | -        |
|         | 3Ps       | OTB  | May   | CC             | 1              | 54        | -           | -        |
|         |           |      | Sep   | CC             | 3              | 664       | -           | -        |
|         | 4Vn       | OTB  | Sep   | CC             | 1              | 23        | -           | -        |
|         |           |      | Oct   | CC             | 1              | 20        | -           | -        |
|         | 4Vs       | OTB  | Mar   | CC             | 2              | 177       | -           | -        |
|         |           |      | May   | CC             | 1              | 25        | -           | -        |
|         |           |      | Jun   | CC             | 2              | 232       | -           | -        |
|         |           |      | Jul   | CC             | 1              | 40        | -           | -        |
|         |           |      | Oct   | CC             | 5              | 388       | -           | -        |
|         | 5Ze       | OTB  | Aug   | CC             | 1              | 5         | -           | -        |
| WIT     | 3N        | OTB  | May   | CC             | 2              | 520       | -           | -        |
|         | 3O        | OTB  | May   | CC             | 1              | 213       | -           | -        |
|         | 3Ps       | OTB  | May   | CC             | 1              | 53        | -           | -        |
|         |           |      | Oct   | CC             | 2              | 507       | -           | -        |
|         | 4S        | OTB  | Feb   | CC             | 1              | 88        | -           | -        |
|         | 4Vn       | OTB  | Apr   | CC             | 1              | 73        | -           | -        |
|         | 4Vs       | OTB  | Mar   | CC             | 1              | 164       | -           | -        |
|         |           |      | May   | CC             | 1              | 22        | -           | -        |
|         | 4W        | OTB  | Sep   | CC             | 1              | 5         | -           | -        |
|         | 4X        | OTB  | Dec   | CC             | 1              | 62        | -           | -        |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| YEL     | 3N        | OTB  | Sep   | CC             | 1              | 150       | -           | -        |
|         | 3O        | OTB  | May   | CC             | 2              | 285       | -           | -        |
|         | 4Vs       | OTB  | Mar   | CC             | 2              | 248       | -           | -        |
|         |           |      | Apr   | CC             | 4              | 345       | -           | -        |
|         |           |      | May   | CC             | 3              | 148       | -           | -        |
|         |           |      | Jun   | CC             | 1              | 60        | -           | -        |
|         |           |      | Sep   | CC             | 2              | 106       | -           | -        |
|         |           |      | Oct   | CC             | 2              | 183       | -           | -        |
|         |           |      | Nov   | CC             | 6              | 819       | -           | -        |
|         |           |      | Dec   | CC             | 2              | 186       | -           | -        |
|         | 4W        | OTB  | Mar   | CC             | 1              | 114       | -           | -        |
|         |           |      | Oct   | CC             | 1              | 43        | -           | -        |
| GHL     | 2H        | OTB  | Sep   | CC             | 4              | 423       | -           | -        |
|         | 2J        | OTB  | Jan   | CC             | 1              | 28        | -           | -        |
|         |           |      | Aug   | CC             | 2              | 529       | -           | -        |
|         | 4Vs       | OTB  | Mar   | CC             | 1              | 1         | -           | -        |
| ARG     | 4Vs       | OTB  | Aug   | CC             | 1              | 14        | -           | -        |
| SQI     | 3Pn       | OTB  | Oct   | CC             | 1              | 2         | -           | -        |
|         | 3Ps       | OTB  | Oct   | CC             | 1              | 3         | -           | -        |
|         | 4S        | OTB  | Sep   | CC             | 1              | 2         | -           | -        |
|         | 4Vs       | OTB  | Sep   | CC             | 4              | 6         | -           | -        |
|         |           |      | Oct   | CC             | 1              | 1         | -           | -        |
|         | 4W        | OTB  | Sep   | CC             | 3              | 111       | -           | -        |
|         |           |      | Oct   | CC             | 1              | 1         | -           | -        |
|         |           |      | Nov   | CC             | 1              | 12        | -           | -        |
|         | 4X        | OTB  | Sep   | CC             | 1              | 1         | -           | -        |
|         | 5Ze       | OTB  | Aug   | CC             | 4              | 159       | -           | -        |

CUBA - SCIENTIFIC OBSERVER PROGRAM - CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| 1983    |           |      |       |                |                |           |             |          |
| COD     | 4W        | OTB  | May   | CC             | 11             | 573       | -           | -        |
|         |           |      | Jun   | CC             | 3              | 353       | -           | -        |
|         |           |      | Jul   | CC             | 1              | 8         | -           | -        |
|         | 4X        | OTB  | Jun   | CC             | 1              | 25        | -           | -        |
| HAD     | 4W        | OTB  | Apr   | CC             | 3              | 255       | -           | -        |
|         |           |      | May   | CC             | 11             | 1687      | -           | -        |
|         |           |      | Jun   | CC             | 25             | 4659      | -           | -        |
|         |           |      | Jul   | CC             | 2              | 280       | -           | -        |
|         | 4X        | OTB  | Jun   | CC             | 10             | 1805      | -           | -        |
| RED     | 4W        | OTB  | Apr   | CC             | 1              | 30        | -           | -        |
|         |           |      | May   | CC             | 6              | 688       | -           | -        |
|         |           |      | Jun   | CC             | 4              | 779       | -           | -        |
| HKS     | 4W        | OTB  | Apr   | CC             | 28             | 6383      | -           | -        |
|         |           |      | May   | CC             | 66             | 17050     | -           | -        |
|         |           |      | Jun   | CC             | 58             | 13614     | -           | -        |

## CUBA

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| POL     | 4X        | OTB  | Jun   | CC             | 23             | 5529      | -           | -        |
|         |           |      | Jul   | CC             | 1              | 211       | -           | -        |
|         | 4W        | OTB  | Apr   | CC             | 1              | 1         | -           | -        |
|         |           |      | May   | CC             | 7              | 565       | -           | -        |
|         |           |      | Jun   | CC             | 4              | 312       | -           | -        |
|         | 4X        | OTB  | Jun   | CC             | 3              | 299       | -           | -        |
| Jul     |           |      | CC    | 1              | 183            | -         | -           |          |
| WIT     | 4W        | OTB  | Apr   | CC             | 1              | 13        | -           | -        |
| YEL     | 4W        | OTB  | Jun   | CC             | 1              | 210       | -           | -        |
| HKW     | 4W        | OTB  | Jun   | CC             | 1              | 17        | -           | -        |
| ARG     | 4W        | OTB  | Apr   | CC             | 7              | 957       | -           | -        |
|         |           |      | May   | CC             | 4              | 513       | -           | -        |
|         |           |      | Jun   | CC             | 5              | 1047      | -           | -        |
| SQI     | 4X        | OTB  | Jun   | CC             | 1              | 224       | -           | -        |
|         | 4W        | OTB  | Apr   | CC             | 4              | 24        | -           | -        |
|         |           |      | May   | CC             | 3              | 3         | -           | -        |
|         |           |      | Jun   | CC             | 1              | 11        | -           | -        |
|         | 4X        | OTB  | Jun   | CC             | 7              | 1269      | -           | -        |
|         |           |      | Jul   | CC             | 3              | 645       | -           | -        |

## FRANCE (M) - SCIENTIFIC OBSERVER PROGRAM - CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| 1983    |           |      |       |                |                |           |             |          |
| COD     | 3Pn       | OTB  | Jan   | CC             | 6              | 755       | -           | -        |
|         |           |      | Feb   | CC             | 18             | 2168      | -           | -        |
|         | 4R        | OTB  | Jan   | CC             | 9              | 1025      | -           | -        |
|         |           |      | Feb   | CC             | 11             | 1301      | -           | -        |
|         |           |      | Mar   | CC             | 51             | 8223      | -           | -        |
|         | 4Vn       | OTB  | Jan   | CC             | 25             | 3370      | -           | -        |
| Feb     |           |      | CC    | 12             | 1520           | -         | -           |          |
| HAD     | 3Pn       | OTB  | Mar   | CC             | 1              | 147       | -           | -        |
|         | 4R        | OTB  | Jan   | CC             | 1              | 73        | -           | -        |
|         |           |      | Mar   | CC             | 1              | 222       | -           | -        |
| RED     | 4R        | OTB  | Jan   | CC             | 1              | 153       | -           | -        |
|         |           |      | Feb   | CC             | 2              | 392       | -           | -        |
|         |           |      | Mar   | CC             | 1              | 291       | -           | -        |
| POL     | 4R        | OTB  | Jan   | CC             | 1              | 48        | -           | -        |
|         |           |      | Feb   | CC             | 1              | 37        | -           | -        |
|         | 4Vn       | OTB  | Jan   | CC             | 1              | 8         | -           | -        |
|         |           |      | Feb   | CC             | 1              | 39        | -           | -        |
| PLA     | 4R        | OTB  | Jan   | CC             | 1              | 19        | -           | -        |
|         |           |      | Feb   | CC             | 1              | 107       | -           | -        |
|         |           |      | Mar   | CC             | 1              | 26        | -           | -        |

FRANCE (SP) - SCIENTIFIC OBSERVER PROGRAM - CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| 1983    |           |      |       |                |                |           |             |          |
| COD     | 4R        | OTB  | Mar   | CC             | 27             | 3391      | -           | -        |
|         |           |      | Apr   | CC             | 1              | 149       | -           | -        |
| HAD     | 4R        | OTB  | Mar   | CC             | 3              | 77        | -           | -        |
| POL     | 4R        | OTB  | Mar   | CC             | 1              | 4         | -           | -        |
| PLA     | 4R        | OTB  | Mar   | CC             | 2              | 71        | -           | -        |
| WIT     | 4R        | OTB  | Mar   | CC             | 1              | 147       | -           | -        |

ITALY - SCIENTIFIC OBSERVER PROGRAM - CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| 1983    |           |      |       |                |                |           |             |          |
| HAD     | 4X        | OTB  | Aug   | CC             | 1              | 134       | -           | -        |
| HKS     | 4W        | OTB  | Aug   | CC             | 2              | 323       | -           | -        |
| ARG     | 4X        | OTB  | Aug   | CC             | 1              | 159       | -           | -        |
| SQI     | 4W        | OTB  | Aug   | CC             | 1              | 198       | -           | -        |
|         | 4X        | OTB  | Aug   | CC             | 1              | 65        | -           | -        |

JAPAN - SCIENTIFIC OBSERVER PROGRAM - CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| 1983    |           |      |       |                |                |           |             |          |
| COD     | 4W        | OTB  | Aug   | CC             | 13             | 365       | -           | -        |
|         |           |      | Sep   | CC             | 2              | 49        | -           | -        |
|         | 4X        | OTB  | Aug   | CC             | 1              | 13        | -           | -        |
| HAD     | 30        | OTB  | Aug   | CC             | 1              | 205       | -           | -        |
|         | 4W        | OTB  | Aug   | CC             | 23             | 5240      | -           | -        |
|         |           |      | Sep   | CC             | 11             | 1251      | -           | -        |
|         | 4X        | OTB  | Aug   | CC             | 6              | 1193      | -           | -        |
| RED     | 30        | OTB  | Aug   | CC             | 1              | 303       | -           | -        |
| HKS     | 4W        | OTB  | Aug   | CC             | 76             | 17519     | -           | -        |
|         |           |      | Sep   | CC             | 20             | 4245      | -           | -        |
|         | 4X        | OTB  | Aug   | CC             | 3              | 618       | -           | -        |
| HKR     | 4W        | OTB  | Aug   | CC             | 5              | 353       | -           | -        |
|         |           |      | Sep   | CC             | 3              | 204       | -           | -        |
| POL     | 4Vs       | OTB  | Aug   | CC             | 1              | 258       | -           | -        |
|         | 4X        | OTB  | Aug   | CC             | 2              | 79        | -           | -        |
| YEL     | 4W        | OTB  | Aug   | CC             | 1              | 222       | -           | -        |
| HKW     | 30        | OTB  | Aug   | CC             | 1              | 125       | -           | -        |
|         | 4W        | OTB  | Sep   | CC             | 1              | 7         | -           | -        |

## JAPAN

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| ARG     | 4W        | OTB  | Aug   | CC             | 3              | 659       | -           | -        |
|         |           |      | Sep   | CC             | 2              | 411       | -           | -        |
|         | 4X        | OTB  | Aug   | CC             | 2              | 417       | -           | -        |
| SQI     | 4W        | OTB  | Aug   | CC             | 51             | 10066     | -           | -        |
|         |           |      | Sep   | CC             | 16             | 2521      | -           | -        |
|         | 4X        | OTB  | Aug   | CC             | 6              | 1257      | -           | -        |

## PORTUGAL - SCIENTIFIC OBSERVER PROGRAM - CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |   |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|---|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |   |
| 1983    |           |      |       |                |                |           |             |          |   |
| COD     | 4Vs       | OTB  | Apr   | CC             | 39             | 6896      | -           | -        |   |
|         |           |      | May   | CC             | 26             | 4113      | -           | -        |   |
|         |           |      | Dec   | CC             | 10             | 1025      | -           | -        |   |
|         | 4W        | OTB  | May   | CC             | 1              | 162       | -           | -        |   |
|         |           |      | Jun   | CC             | 1              | 80        | -           | -        |   |
|         | HAD       | 4Vs  | OTB   | Apr            | CC             | 2         | 32          | -        | - |
| May     |           |      |       | CC             | 2              | 233       | -           | -        |   |
| Dec     |           |      |       | CC             | 4              | 240       | -           | -        |   |
| 4W      |           | OTB  | May   | CC             | 5              | 1506      | -           | -        |   |
|         |           |      |       |                |                |           |             |          |   |
| RED     |           | 4Vs  | OTB   | Apr            | CC             | 13        | 2197        | -        | - |
|         | May       |      |       | CC             | 5              | 1009      | -           | -        |   |
|         | Dec       |      |       | CC             | 5              | 575       | -           | -        |   |
|         | HKS       | 4Vs  | OTB   | Apr            | CC             | 2         | 275         | -        | - |
|         |           |      |       | May            | CC             | 1         | 21          | -        | - |
|         |           |      |       | Dec            | CC             | 2         | 161         | -        | - |
| 4W      |           | OTB  | May   | CC             | 18             | 4435      | -           | -        |   |
|         |           |      | Jun   | CC             | 2              | 473       | -           | -        |   |
| HKR     |           | 4W   | OTB   | Jun            | CC             | 1         | 83          | -        | - |
| POL     | 4Vs       | OTB  | Apr   | CC             | 9              | 1335      | -           | -        |   |
|         |           |      | May   | CC             | 9              | 1465      | -           | -        |   |
|         |           |      | Dec   | CC             | 1              | 112       | -           | -        |   |
| PLA     | 4Vs       | OTB  | Apr   | CC             | 2              | 168       | -           | -        |   |
|         |           |      | May   | CC             | 1              | 112       | -           | -        |   |
|         |           |      | Dec   | CC             | 1              | 104       | -           | -        |   |
| HKW     | 4W        | OTB  | Jun   | CC             | 1              | 147       | -           | -        |   |
| ARG     | 4Vs       | OTB  | Apr   | CC             | 1              | 56        | -           | -        |   |
| SQI     | 4W        | OTB  | May   | CC             | 4              | 5         | -           | -        |   |

## USSR - SCIENTIFIC OBSERVER PROGRAM - CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| 1983    |           |      |       |                |                |           |             |          |
| COD     | 4W        | OTB  | Apr   | CC             | 1              | 10        | -           | -        |
|         |           |      | May   | CC             | 18             | 1130      | -           | -        |
|         |           |      | Jun   | CC             | 13             | 861       | -           | -        |
|         |           |      | Jul   | CC             | 2              | 452       | -           | -        |
|         | 4X        | OTB  | Jun   | CC             | 1              | 88        | -           | -        |
| HAD     | 4W        | OTB  | Apr   | CC             | 5              | 726       | -           | -        |
|         |           |      | May   | CC             | 32             | 4776      | -           | -        |
|         |           |      | Jun   | CC             | 47             | 7744      | -           | -        |
|         |           |      | Jul   | CC             | 1              | 217       | -           | -        |
|         | 4X        | OTB  | Jun   | CC             | 7              | 982       | -           | -        |
| RED     | 4W        | OTB  | Apr   | CC             | 2              | 202       | -           | -        |
|         |           |      | May   | CC             | 8              | 898       | -           | -        |
|         |           |      | Jun   | CC             | 8              | 1417      | -           | -        |
| HKS     | 4W        | OTB  | Apr   | CC             | 41             | 9353      | -           | -        |
|         |           |      | May   | CC             | 156            | 34383     | -           | -        |
|         |           |      | Jun   | CC             | 123            | 26414     | -           | -        |
|         |           |      | Jul   | CC             | 2              | 446       | -           | -        |
|         | 4X        | OTB  | Jun   | CC             | 15             | 3275      | -           | -        |
| HKR     | 4W        | OTB  | Apr   | CC             | 4              | 582       | -           | -        |
|         |           |      | May   | CC             | 8              | 1319      | -           | -        |
|         |           |      | Jun   | CC             | 9              | 638       | -           | -        |
|         | 4X        | OTB  | Jun   | CC             | 1              | 5         | -           | -        |
| POL     | 4W        | OTB  | Apr   | CC             | 3              | 245       | -           | -        |
|         |           |      | May   | CC             | 13             | 1659      | -           | -        |
|         |           |      | Jun   | CC             | 2              | 88        | -           | -        |
| PLA     | 4W        | OTB  | May   | CC             | 5              | 349       | -           | -        |
| WIT     | 4W        | OTB  | Apr   | CC             | 1              | 120       | -           | -        |
|         |           |      | May   | CC             | 3              | 129       | -           | -        |
| HAL     | 4W        | OTB  | Apr   | CC             | 1              | 7         | -           | -        |
|         |           |      | Jun   | CC             | 1              | 1         | -           | -        |
| HKW     | 4W        | OTB  | May   | CC             | 2              | 284       | -           | -        |
|         |           |      | Jun   | CC             | 4              | 73        | -           | -        |
| MAC     | 4W        | OTB  | May   | CC             | 1              | 85        | -           | -        |
| ARG     | 4W        | OTB  | Apr   | CC             | 3              | 545       | -           | -        |
|         |           |      | May   | CC             | 11             | 2038      | -           | -        |
|         |           |      | Jun   | CC             | 12             | 2612      | -           | -        |
|         |           |      | Jul   | CC             | 1              | 208       | -           | -        |
|         | 4X        | OTB  | Jun   | CC             | 4              | 880       | -           | -        |
| SQI     | 4W        | OTB  | Apr   | CC             | 3              | 167       | -           | -        |
|         |           |      | May   | CC             | 10             | 302       | -           | -        |
|         |           |      | Jun   | CC             | 4              | 176       | -           | -        |
|         | 4X        | OTB  | Jun   | CC             | 6              | 1007      | -           | -        |
|         |           |      | Jul   | CC             | 1              | 216       | -           | -        |

# Canada (N) (National)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |                   |                   |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|-------------------|-------------------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged          |                   |
| 1979    |           |      |       |                |                |           |             |                   |                   |
| COD     | 2J        | OTB  | Jan   | CL             | 1              | 461       | -           | 336               |                   |
|         |           |      | Feb   | CL             | 5              | 2573      |             |                   |                   |
|         |           |      | Mar   | CL             | 2              | 3238      |             |                   |                   |
|         |           |      | May   | CL             | 1              | 445       |             |                   |                   |
|         |           |      | Jun   | CL             | 1              | 424       |             |                   |                   |
|         |           | GN   | Jul   | CL             | 6              | 686       | -           | 510 <sup>1</sup>  |                   |
|         |           |      | Aug   | CL             | 21             | 3820      |             |                   |                   |
|         |           | LHP  | Aug   | CL             | 4              | 680       | -           | 510 <sup>1</sup>  |                   |
|         |           | FPN  | Jul   | CL             | 4              | 1216      | -           | 510 <sup>1</sup>  |                   |
|         |           |      | Aug   | CL             | 2              | 757       |             |                   |                   |
|         |           | 3K   | OTB   | Jan            | CL             | 4         | 1399        | -                 | 486               |
|         |           |      |       | Feb            | CL             | 8         | 4661        |                   |                   |
|         |           |      |       | Mar            | CL             | 2         | 1470        |                   |                   |
|         |           |      |       | Apr            | CL             | 6         | 3020        |                   |                   |
|         |           |      |       | May            | CL             | 1         | 548         |                   |                   |
|         |           |      | GN    | Jul            | CL             | 28        | 3372        | -                 | 1922 <sup>2</sup> |
|         |           |      |       | LHP            | Jul            | CL        | 24          |                   |                   |
|         |           |      | Sep   |                | CL             | 11        | 2351        | -                 | 391               |
|         | FPN       |      | Jul   | CL             | 9              | 4813      | -           | 1922 <sup>2</sup> |                   |
|         | 3L        |      | OTB   | Mar            | CL             | 6         | 3247        | -                 | 338               |
|         |           | Apr  |       | CL             | 7              | 2916      |             |                   |                   |
|         |           | May  |       | CL             | 4              | 1508      |             |                   |                   |
|         |           | Jun  |       | CL             | 3              | 1161      |             |                   |                   |
|         |           | Jul  |       | CL             | 7              | 3432      |             |                   |                   |
|         |           | Aug  |       | CL             | 3              | 1106      |             |                   |                   |
|         |           | Nov  |       | CL             | 5              | 2190      |             |                   |                   |
|         |           | Dec  |       | CL             | 5              | 2071      |             |                   |                   |
|         |           | GN   | Jun   | CL             | 6              | 1318      | -           | 1550 <sup>3</sup> |                   |
|         |           |      | Jul   | CL             | 10             | 2368      |             |                   |                   |
|         |           |      | Aug   | CL             | 2              | 983       |             |                   |                   |
|         |           |      | Sep   | CL             | 6              | 2079      |             |                   |                   |
|         |           | LL   | Jun   | CL             | 1              | 646       | -           | 1550 <sup>3</sup> |                   |
|         |           |      | Sep   | CL             | 2              | 383       |             |                   |                   |
|         |           | LHP  | Jun   | CL             | 3              | 681       | -           | 1550 <sup>3</sup> |                   |
|         |           |      | Jul   | CL             | 11             | 227       |             |                   |                   |
|         |           |      | Sep   | CL             | 11             | 1869      |             |                   |                   |
|         |           | FPN  | Jun   | CL             | 16             | 8436      | -           | 1550 <sup>3</sup> |                   |
|         |           |      | Jul   | CL             | 7              | 3807      |             |                   |                   |
|         |           | 3N   | OTB   | May            | CL             | 4         | 1767        | -                 | 253               |
|         | Jul       |      |       | CL             | 3              | 952       |             |                   |                   |
|         | Aug       |      |       | CL             | 1              | 175       |             |                   |                   |
|         | Sep       |      |       | CL             | 1              | 502       |             |                   |                   |
|         | Oct       |      |       | CL             | 1              | 505       |             |                   |                   |
|         | 3O        | OTB  | Jan   | CL             | 4              | 2577      | -           | 201               |                   |
|         |           |      | May   | CL             | 3              | 1260      |             |                   |                   |
|         |           |      | Jun   | CL             | 1              | 1047      |             |                   |                   |
|         |           |      | Aug   | CL             | 2              | 992       |             |                   |                   |
|         |           |      | Sep   | CL             | 2              | 901       |             |                   |                   |
|         |           |      | Oct   | CL             | 1              | 341       |             |                   |                   |
|         |           |      | Nov   | CL             | 1              | 466       |             |                   |                   |
|         |           |      | 3Pn   | LL             | Mar            | CL        |             |                   | 4                 |
|         | Apr       | CL   |       |                | 1              | 1245      |             |                   |                   |

CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |                  |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|------------------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged         |
|         | 3Ps       | OTB  | Jan   | CL             | 3              | 1265      | -           | 217              |
|         |           |      | Mar   | CL             | 1              | 737       |             |                  |
|         |           | GN   | Apr   | CL             | 2              | 379       | -           | 976 <sup>5</sup> |
|         |           |      | Jun   | CL             | 2              | 366       | -           | 696 <sup>6</sup> |
|         |           |      | Jul   | CL             | 2              | 493       | -           |                  |
|         |           | LL   | Mar   | CL             | 6              | 2640      | -           | 976 <sup>5</sup> |
|         |           |      | Apr   | CL             | 11             | 5090      |             |                  |
|         |           |      | May   | CL             | 5              | 1692      |             |                  |
|         |           |      | Jun   | CL             | 9              | 2415      |             |                  |
|         |           |      | Jul   | CL             | 3              | 1020      | -           | 696 <sup>6</sup> |
|         |           |      | Aug   | CL             | 3              | 1194      | -           |                  |
|         |           |      | Oct   | CL             | 4              | 1308      | -           | 458              |
|         |           |      | Nov   | CL             | 5              | 1361      |             |                  |
|         |           | LHP  | Jun   | CL             | 1              | 337       | -           | 696 <sup>6</sup> |
|         |           |      | Jul   | CL             | 1              | 249       |             |                  |
|         |           |      | Aug   | CL             | 1              | 323       |             |                  |
|         |           | FPN  | Jun   | CL             | 4              | 1456      | -           | 696 <sup>6</sup> |
|         | 4R        | OTB  | Jan   | CL             | 13             | 6625      | -           | 599              |
|         |           |      | Mar   | CL             | 3              | 1586      |             |                  |
|         |           |      | Apr   | CL             | 1              | 197       |             |                  |
|         |           |      | May   | CL             | 1              | 575       |             | 137              |
|         |           |      | Jun   | CL             | 3              | 912       | -           |                  |
|         |           | GN   | May   | CL             | 8              | 3570      | -           | 386              |
|         |           |      | Jun   | CL             | 4              | 1380      | -           | 693              |
|         |           |      | Jul   | CL             | 3              | 1168      | -           |                  |
|         |           | FPN  | Jun   | CL             | 2              | 1154      | -           | 693              |
|         |           |      | Jul   | CL             | 3              | 1334      |             |                  |
|         | 4Vn       | OTB  | Jan   | CL             | 2              | 1020      | -           | -                |
|         |           |      | Feb   | CL             | 1              | 335       |             |                  |
| HAD     | 30        | OTB  | Apr   | CL             | 1              | 550       | -           | -                |
| REB     | 2J        | OTB  | Jan   | CL             | 1              | 182/186   | -           | 53/73            |
|         |           |      | Feb   | CL             | 2              | 403/529   | -           |                  |
|         |           |      | Aug   | CL             | 2              | 685/727   | -           | 77/76            |
|         |           |      | Sep   | CL             | 2              | 770/508   | -           |                  |
|         | 3K        | OTB  | Mar   | CL             | 4              | 705/528   | -           | 32/38            |
|         |           |      | Apr   | CL             | 1              | 165/174   | -           | 90/141           |
|         |           |      | May   | CL             | 2              | 452/461   | -           |                  |
|         |           |      | Aug   | CL             | 2              | 454/484   | -           | 48/67            |
|         |           |      | Sep   | CL             | 1              | 280/216   | -           |                  |
|         |           |      | Oct   | CL             | 3              | 831/846   | -           | 72/79            |
|         | 3L        | OTB  | Mar   | CL             | 7              | 1537/1365 | -           | 101/144          |
|         |           |      | May   | CL             | 1              | 145/164   | -           | 61/97            |
|         |           |      | Jul   | CL             | 1              | 188/119   | -           | 56/47            |
|         |           |      | Nov   | CL             | 4              | 555/792   | -           | 88/93            |
|         |           |      | Dec   | CL             | 1              | 256/117   |             |                  |
|         |           | OTM  | Jul   | CL             | 2              | 500/470   | -           | -                |
|         |           |      | Nov   | CL             | 1              | 180/143   | -           | -                |
|         | 3M        | OTM  | May   | CL             | 3              | 662/1011  | -           | -                |
|         |           |      | Jun   | CL             | 2              | 487/672   | -           | -                |
|         |           |      | Jul   | CL             | 3              | 759/826   | -           | -                |
|         | 3N        | OTB  | Jul   | CL             | 2              | 491/887   | -           | 74/99            |
|         |           |      | Aug   | CL             | 1              | 292/278   | -           |                  |
|         |           |      | Oct   | CL             | 1              | 339/430   | -           | 33/43            |

CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| PLA     | 30        | OTB  | Oct   | CL             | 2              | 687/994   | -           | 187/287  |
|         |           |      | Nov   | CL             | 1              | 412/360   |             |          |
|         |           |      | Dec   | CL             | 1              | 371/478   |             |          |
|         | 3Ps       | OTB  | Apr   | CL             | 4              | 832/1159  | -           | 256/294  |
|         |           |      | May   | CL             | 2              | 405/587   |             |          |
|         |           |      | Aug   | CL             | 3              | 680/792   |             |          |
|         |           |      | Sep   | CL             | 3              | 580/762   | -           | 120/130  |
|         |           |      | Dec   | CL             | 3              | 959/964   |             |          |
|         | 4R        | OTB  | Jan   | CL             | 2              | 293/555   | -           | 75/87    |
|         |           |      | Mar   | CL             | 1              | 56/334    |             |          |
|         |           |      | May   | CL             | -              | 10/13     | -           | 10/13    |
|         |           |      | Aug   | CL             | -              | 14/14     | -           | 14/14    |
|         | 4RT       | OTB  | May   | CL             | -              | 14/11     | -           | 14/11    |
|         |           |      | Aug   | CL             | -              | 52/51     | -           | 52/51    |
|         | 4S        | OTB  | May   | CL             | -              | 32/31     | -           | 32/31    |
|         |           |      | Aug   | CL             | -              | 14/16     | -           | 14/16    |
|         | 4ST       | OTB  | May   | CL             | -              | 29/28     | -           | 29/28    |
|         |           |      | Aug   | CL             | -              | 15/15     | -           | 15/15    |
|         | 4T        | OTB  | May   | CL             | -              | 16/13     | -           | 16/13    |
|         |           |      | Aug   | CL             | -              | 16/18     | -           | 16/18    |
|         | 4Vs       | OTB  | Apr   | CL             | 2              | 270/287   | -           | -        |
|         | 2J        | OTB  | May   | CL             | 1              | 17/361    | -           | 15/61    |
|         | 3K        | OTB  | Apr   | CL             | 1              | 107/204   | -           | 66/140   |
|         |           |      | May   | CL             | 1              | 50/255    |             |          |
|         |           |      | Dec   | CL             | 4              | 243/617   |             |          |
|         |           | GN   | Jul   | CL             | 7              | 914/1463  | -           | 210/332  |
|         | 3L        | OTB  | Jan   | CL             | 5              | 514/1401  | -           | 245/429  |
|         |           |      | Feb   | CL             | 3              | 572/1003  |             |          |
|         |           |      | Mar   | CL             | 3              | 617/828   |             |          |
|         |           |      | Apr   | CL             | 4              | 770/1062  | -           | 273/404  |
|         |           |      | May   | CL             | 3              | 613/675   |             |          |
|         |           |      | Jun   | CL             | 6              | 1273/1274 |             |          |
|         |           |      | Jul   | CL             | 8              | 1608/1793 | -           | 318/480  |
|         |           |      | Aug   | CL             | 10             | 1921/4229 |             |          |
|         |           |      | Sep   | CL             | 5              | 1164/1565 |             |          |
|         |           |      | Oct   | CL             | 2              | 339/409   | -           | 235/417  |
|         |           |      | Nov   | CL             | 8              | 1375/2832 |             |          |
|         |           |      | Dec   | CL             | 6              | 327/1749  |             |          |
|         |           | GN   | Jun   | CL             | 4              | 358/1290  | -           | 169/337  |
|         |           |      | Jul   | CL             | 3              | 242/692   |             |          |
|         |           |      | Sep   | CL             | 3              | 720/1082  |             |          |
|         | 3N        | OTB  | Feb   | CL             | 1              | 125/204   | -           | 38/64    |
|         |           |      | Apr   | CL             | 1              | 52/269    | -           | 192/310  |
|         |           |      | May   | CL             | 3              | 423/580   |             |          |
|         |           |      | Jun   | CL             | 1              | 151/235   |             |          |
|         |           |      | Jul   | CL             | 10             | 2479/4505 | -           | 339/541  |
|         |           |      | Aug   | CL             | 3              | 828/960   |             |          |
|         |           |      | Sep   | CL             | 1              | 217/184   |             |          |
|         |           |      | Oct   | CL             | 4              | 911/1236  | -           | 279/412  |
|         |           |      | Nov   | CL             | 6              | 1378/1736 |             |          |
|         |           |      | Dec   | CL             | 1              | 159/258   |             |          |

## CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| WIT     | 30        | OTB  | Jan   | CL             | 1              | 101/406   | -           | 43/69    |
|         |           |      | May   | CL             | 1              | 76/527    | -           | 92/166   |
|         |           |      | Jun   | CL             | 1              | 106/514   | -           | 145/231  |
|         |           |      | Jul   | CL             | 2              | 119/566   | -           | 181/326  |
|         |           |      | Sep   | CL             | 3              | 392/1086  | -           |          |
|         |           |      | Oct   | CL             | 1              | 198/382   | -           |          |
|         |           |      | Nov   | CL             | 4              | 621/1558  | -           |          |
|         | 3Ps       | OTB  | Jan   | CL             | 1              | 195/234   | -           | 208/337  |
|         |           |      | Feb   | CL             | 5              | 675/1392  | -           |          |
|         |           |      | Mar   | CL             | 3              | 277/1001  | -           |          |
|         |           |      | Oct   | CL             | 1              | 125/516   | -           | 98/159   |
|         |           |      | Nov   | CL             | 1              | 279/302   | -           |          |
|         | 4R        | OTB  | Feb   | CL             | 1              | 93/429    | -           | 54/86    |
|         | 4S        | OTB  | Jan   | CL             | 1              | 122/754   | -           | 89/181   |
|         | 3K        | OTB  | Mar   | CL             | 1              | 125/281   | -           | 39/68    |
|         |           |      | Dec   | CL             | 5              | 1016/1028 | -           | 166/208  |
|         |           | GN   | Jul   | CL             | 1              | 116/121   | -           | 56/86    |
|         | 3N        | OTB  | Apr   | CL             | 1              | 258/291   | -           | 43/62    |
|         |           |      | Nov   | CL             | 2              | 444/533   | -           | 94/113   |
|         | 3Pn       | OTB  | Feb   | CL             | 1              | 236/361   | -           | 47/64    |
|         | 3Ps       | OTB  | Apr   | CL             | 1              | 223/227   | -           | 19/27    |
|         |           |      | May   | CL             | 1              | 246/327   | -           | 47/60    |
|         | 4R        | OTB  | Jan   | CL             | 3              | 591/676   | -           | 140/173  |
|         |           |      | Apr   | CL             | 1              | 132/282   | -           | 53/78    |
|         | 4S        | OTB  | Jan   | CL             | 2              | 1125/1420 | -           | 235/304  |
|         | 4Vn       | OTB  | Feb   | CL             | 1              | 199/276   | -           | -        |
| YEL     | 3L        | OTB  | Mar   | CL             | 1              | 193/247   | -           | 49/73    |
|         |           |      | May   | CL             | 5              | 1212/947  | -           | 151/189  |
|         |           |      | Jun   | CL             | 2              | 330/240   | -           |          |
|         |           |      | Jul   | CL             | 3              | 665/478   | -           | 71/86    |
|         |           |      | Aug   | CL             | 2              | 301/386   | -           |          |
|         |           |      |       |                |                |           | -           |          |
|         | 3N        | OTB  | Feb   | CL             | 1              | 183/187   | -           | 29/35    |
|         |           |      | Apr   | CL             | 6              | 1242/1524 | -           | 209/277  |
|         |           |      | May   | CL             | 3              | 2221/1749 | -           |          |
|         |           |      | Jul   | CL             | 5              | 803/1690  | -           | 263/369  |
|         |           |      | Aug   | CL             | 7              | 1834/2054 | -           |          |
|         |           |      | Sep   | CL             | 6              | 1321/1794 | -           |          |
|         |           |      | Oct   | CL             | 12             | 2503/3062 | -           | 219/290  |
|         |           |      | Nov   | CL             | 4              | 885/975   | -           |          |
| GHL     | 30        | OTB  | May   | CL             | 1              | 340/286   | -           | 65/71    |
|         |           |      | Jul   | CL             | 1              | 37/228    | -           | 20/32    |
|         |           |      | Nov   | CL             | 1              | 154/131   | -           | 40/46    |
|         | 3Ps       | OTB  | Mar   | CL             | 2              | 504/594   | -           | 95/130   |
|         |           |      | May   | CL             | 1              | 263/298   | -           | 65/97    |
|         | 2J        | OTB  | Aug   | CL             | 1              | 43/114    | -           | 82/155   |
|         |           |      | Sep   | CL             | 1              | 69/93     | -           |          |
|         |           | GN   | Oct   | CL             | 1              | 148/318   | -           | 94/150   |
|         | 3K        | OTB  | Jan   | CL             | 1              | 250/225   | -           | 33/39    |
|         |           |      | Dec   | CL             | 9              | 1598/1934 | -           | 181/248  |
|         |           | GN   | Jul   | CL             | 14             | 1560/2594 | -           | 327/450  |
|         |           |      | Sep   | CL             | 5              | 888/1165  | -           | 158/199  |

CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |            | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|------------|-------------|----------|
|         |           |      |       |                | No.            | No. meas.  | No.         | No. aged |
|         | 3L        | OTB  | Mar   | CL             | 1              | 129/146    | -           | 47/56    |
|         |           |      | Apr   | CL             | 2              | 313/459    | -           | 81/82    |
|         |           |      | Aug   | CL             | 1              | 110/134    | -           | 44/46    |
|         |           | GN   | Jun   | CL             | 1              | 141/117 }  | -           | 155/216  |
|         |           |      | Jul   | CL             | 6              | 719/1275 } | -           |          |
|         |           |      | Sep   | CL             | 5              | 513/788    | -           | 131/173  |
|         | 4R        | OTB  | Jan   | CL             | 3              | 541/360 }  | -           | 182/223  |
|         |           |      | Feb   | CL             | 3              | 777/224 }  | -           |          |
|         |           |      | Apr   | CL             | 2              | 310/119    | -           | 71/77    |
|         | 4T        | OTB  | Jan   | CL             | 1              | 94/119     | -           | -        |
|         | 4Vn       | OTB  | Feb   | CL             | 1              | 95/52      | -           | -        |

<sup>1</sup> Same key for GN, LHP and FPN.

<sup>2</sup> Same key for GN, LHP and FPN.

<sup>3</sup> Same key for GN, LL, LHP and FPN.

<sup>4</sup> Same key for GN, LL and LHP.

<sup>5</sup> Same key for GN and LL.

<sup>6</sup> Same key for GN, LL, LHP and FPN.

1980

|     |    |     |     |    |    |        |   |                  |
|-----|----|-----|-----|----|----|--------|---|------------------|
| COD | 2J | OTB | Feb | CL | 15 | 5203   | - | 455              |
|     |    |     | Apr | CL | 2  | 1189 } | - |                  |
|     |    |     | May | CL | 5  | 2420 } | - | 386              |
|     |    | GN  | Aug | CL | 10 | 3782   | - | -                |
|     |    | FPN | Aug | CL | 5  | 4450   | - | -                |
|     | 3K | OTB | Feb | CL | 6  | 1935 } | - | 442              |
|     |    |     | Mar | CL | 5  | 2719 } | - |                  |
|     |    |     | Apr | CL | 15 | 7707 } | - | 529              |
|     |    |     | May | CL | 1  | 418 }  | - |                  |
|     |    | GN  | Jul | CL | 26 | 3194   | - | -                |
|     |    |     | Sep | CL | 5  | 199    | - | -                |
|     |    | LL  | Jul | CL | 1  | 494    | - | -                |
|     |    | LHP | Jul | CL | 24 | 4935   | - | -                |
|     |    |     | Sep | CL | 14 | 4347   | - | -                |
|     |    | FPN | Jul | CL | 20 | 10720  | - | -                |
|     |    |     | Sep | CL | 1  | 193    | - | -                |
|     | 3L | OTB | Feb | CL | 2  | 736 }  | - | 400              |
|     |    |     | Mar | CL | 9  | 3673 } | - |                  |
|     |    |     | Apr | CL | 1  | 371 }  | - |                  |
|     |    |     | May | CL | 7  | 1642 } | - | 448              |
|     |    |     | Jun | CL | 8  | 3383 } | - |                  |
|     |    |     | Aug | CL | 2  | 274 }  | - | 76               |
|     |    |     | Oct | CL | 3  | 1169 } | - |                  |
|     |    |     | Nov | CL | 3  | 861 }  | - | 444              |
|     |    |     | Dec | CL | 3  | 1380 } | - |                  |
|     |    | GN  | Apr | CL | 2  | 628 }  | - | 484              |
|     |    |     | May | CL | 9  | 1626 } | - |                  |
|     |    |     | Jun | CL | 5  | 314 }  | - | 669 <sup>1</sup> |
|     |    |     | Jul | CL | 4  | 776 }  | - |                  |
|     |    |     | Oct | CL | 1  | 280    | - | 465 <sup>2</sup> |
|     |    | LL  | Sep | CL | 2  | 401 }  | - | 465 <sup>2</sup> |
|     |    |     | Oct | CL | 1  | 459 }  | - |                  |
|     |    | LHP | Jun | CL | 8  | 2025 } | - | 669 <sup>1</sup> |
|     |    |     | Jul | CL | 3  | 1013 } | - |                  |
|     |    |     | Aug | CL | 2  | 446 }  | - |                  |
|     |    |     | Sep | CL | 10 | 1778   | - | 465 <sup>2</sup> |

CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |                  |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|------------------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged         |
| HAD     |           | FPN  | Jun   | CL             | 12             | 5147      | -           | 669 <sup>1</sup> |
|         |           |      | Jul   | CL             | 2              | 1205      |             |                  |
|         | 3N        | OTB  | May   | CL             | 1              | 511       | -           | 75               |
|         |           |      | Nov   | CL             | 5              | 1929      | -           | 206              |
|         | 30        | OTB  | Nov   | CL             | 4              | 2602      | -           | 229              |
|         |           |      | Dec   | CL             | 1              | 368       |             |                  |
|         | 3Pn       | LL   | Feb   | CL             | 4              | 1513      | -           | 269              |
|         |           |      | Mar   | CL             | 5              | 2719      | -           | 521              |
|         |           |      | May   | CL             | 6              | 2265      | -           | 467              |
|         |           |      | Nov   | CL             | 8              | 2711      | -           |                  |
|         | 3Ps       | OTB  | Jan   | CL             | 1              | 419       | -           | 105              |
|         |           |      | Feb   | CL             | 3              | 823       | -           | 164              |
|         |           |      | Nov   | CL             | 3              | 1011      | -           | 36               |
|         |           | PTB  | Nov   | CL             | 1              | 540       | -           | 605 <sup>3</sup> |
|         |           |      | Apr   | CL             | 1              | 186       | -           | 862 <sup>4</sup> |
|         |           |      | Jun   | CL             | 3              | 463       | -           | 593 <sup>5</sup> |
|         |           |      | Aug   | CL             | 4              | 1498      | -           |                  |
|         |           |      | Sep   | CL             | 1              | 131       | -           |                  |
|         |           | LL   | Oct   | CL             | 1              | 95        | -           | 94               |
|         |           |      | Feb   | CL             | 1              | 326       | -           | 605 <sup>3</sup> |
|         |           |      | Mar   | CL             | 10             | 4198      | -           | 862 <sup>4</sup> |
|         |           |      | Apr   | CL             | 2              | 621       | -           | 593 <sup>5</sup> |
|         |           |      | May   | CL             | 7              | 2298      | -           |                  |
|         |           |      | Jun   | CL             | 6              | 2868      | -           |                  |
|         |           |      | Aug   | CL             | 10             | 2568      | -           |                  |
|         |           |      | Sep   | CL             | 7              | 2298      | -           |                  |
|         |           |      | Oct   | CL             | 3              | 960       | -           |                  |
|         |           |      | Nov   | CL             | 5              | 1114      | -           |                  |
|         |           | LHP  | Jun   | CL             | 7              | 2098      | -           | 862 <sup>4</sup> |
|         |           |      | Jul   | CL             | 1              | 330       | -           |                  |
|         |           |      |       |                |                |           | -           |                  |
|         |           | FPN  | Jun   | CL             | 6              | 3213      | -           | 862 <sup>4</sup> |
|         |           |      | Jul   | CL             | 2              | 806       | -           |                  |
|         |           |      | Aug   | CL             | 1              | 408       | -           |                  |
|         | 4R        | OTB  | Feb   | CL             | 14             | 6109      | -           | 456              |
|         |           |      | May   | CL             | 6              | 2417      | -           | 390              |
|         |           |      | Jul   | CL             | 1              | 1185      | -           | 68               |
|         |           | GN   | May   | CL             | 10             | 3007      | -           | 396              |
|         |           |      | Jul   | CL             | 7              | 2808      | -           | 463 <sup>6</sup> |
|         |           | FPN  | Jul   | CL             | 1              | 884       | -           | 463 <sup>5</sup> |
|         | 4S        | OTB  | Mar   | CL             | 1              | 397       | -           | -                |
|         | 4Vs       | OTB  | Mar   | CL             | 7              | 2787      | -           | -                |
|         | 4X        | OTB  | Nov   | CL             | 1              | 117       | -           | -                |
|         | 3Ps       | OTB  | Nov   | CL             | 1              | 279       | -           | -                |
|         | 4Vs       | OTB  | Apr   | CL             | 1              | 152       | -           | -                |
|         | 4W        | OTB  | Mar   | CL             | 2              | 425       | -           | -                |
|         | 4X        | OTB  | Nov   | CL             | 1              | 267       | -           | -                |
| REB     | 2J        | OTB  | Apr   | CL             | 1              | 185/232   | -           | 56/70            |
|         |           |      | May   | CL             | 1              | 207/399   | -           |                  |
|         | 3K        | OTB  | Feb   | CL             | 3              | 422/544   | -           | 203/249          |
|         |           |      | Mar   | CL             | 4              | 543/675   | -           |                  |
|         |           |      | Apr   | CL             | 6              | 1083/1421 | -           |                  |
|         |           |      | May   | CL             | 1              | 98/128    | -           |                  |

## CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| PLA     | 3L        | OTB  | Feb   | CL             | 1              | 147/93    | -           | 153/196  |
|         |           |      | Mar   | CL             | 2              | 631/216   | -           | 104/131  |
|         |           |      | Sep   | CL             | 3              | 823/904   | -           | 22/24    |
|         |           |      | Dec   | CL             | 1              | 245/328   | -           |          |
|         | 3N        | OTB  | Nov   | CL             | 1              | 58/73     | -           | 42/38    |
|         | 3O        | OTB  | Aug   | CL             | 1              | 244/490   | -           | 232/397  |
|         |           |      | Sep   | CL             | 1              | 920/1291  | -           |          |
|         | 3Pn       | OTB  | Aug   | CL             | 1              | 262/254   | -           | 36/37    |
|         | 3Ps       | OTB  | Mar   | CL             | 3              | 744/940   | -           | 249/289  |
|         |           |      | Jul   | CL             | 2              | 454/591   | -           | 166/209  |
|         |           |      | Aug   | CL             | 8              | 2527/2574 | -           | 139/154  |
|         |           |      | Sep   | CL             | 1              | 259/283   | -           |          |
|         |           |      | Nov   | CL             | 7              | 1172/1397 | -           |          |
|         | 4R        | OTB  | Feb   | CL             | 3              | 469/823   | -           | 91/136   |
|         | 4Vs       | OTB  | Mar   | CL             | 1              | 107/275   | -           | -        |
|         | 3K        | OTB  | Feb   | CL             | 4              | 340/1029  | -           | 178/368  |
|         |           |      | Mar   | CL             | 2              | 566/699   | -           | 128/238  |
|         |           |      | Apr   | CL             | 3              | 453/772   | -           |          |
|         |           |      | May   | CL             | 2              | 288/460   | -           |          |
|         | 3L        | OTB  | Feb   | CL             | 2              | 395/675   | -           | 151/277  |
|         |           |      | Mar   | CL             | 4              | 328/1319  | -           | 307/474  |
|         |           |      | Apr   | CL             | 1              | 117/406   | -           |          |
|         |           |      | May   | CL             | 20             | 8250/6656 | -           |          |
|         |           |      | Jun   | CL             | 16             | 3823/3733 | -           |          |
|         |           |      | Jul   | CL             | 4              | 502/921   | -           | 251/396  |
|         |           |      | Aug   | CL             | 4              | 627/805   | -           |          |
|         |           |      | Sep   | CL             | 1              | 94/275    | -           |          |
|         |           |      | Oct   | CL             | 6              | 944/1479  | -           | 250/431  |
|         |           |      | Nov   | CL             | 1              | 199/166   | -           |          |
|         |           |      | Dec   | CL             | 4              | 500/1042  | -           |          |
|         | 3L        | GN   | Apr   | CL             | 1              | 113/261   | -           | 163/332  |
|         |           |      | May   | CL             | 8              | 533/1881  | -           | 157/346  |
|         |           |      | Jun   | CL             | 6              | 227/1766  | -           | 177/408  |
|         |           |      | Jul   | CL             | 2              | 121/530   | -           |          |
|         |           |      | Sep   | CL             | 6              | 252/1876  | -           |          |
|         | 3N        | OTB  | Jan   | CL             | 1              | 213/308   | -           | 105/170  |
|         |           |      | Feb   | CL             | 1              | 177/256   | -           |          |
|         |           |      | Mar   | CL             | 1              | 130/325   | -           | 143/236  |
|         |           |      | May   | CL             | 2              | 347/466   | -           |          |
|         |           |      | Jun   | CL             | 3              | 348/447   | -           |          |
|         |           |      | Jul   | CL             | 5              | 601/1315  | -           | 323/534  |
|         |           |      | Aug   | CL             | 7              | 1216/1077 | -           |          |
|         |           |      | Sep   | CL             | 8              | 1417/1764 | -           |          |
|         |           |      | Oct   | CL             | 12             | 2941/3680 | -           | 261/426  |
|         |           |      | Nov   | CL             | 6              | 1076/1665 | -           |          |
|         | 3O        | OTB  | Mar   | CL             | 1              | 170/279   | -           | 42/62    |
|         |           |      | May   | CL             | 1              | 77/266    | -           | 132/203  |
|         |           |      | Jun   | CL             | 2              | 281/470   | -           |          |
|         |           |      | Oct   | CL             | 1              | 114/143   | -           | 68/116   |
|         |           |      | Nov   | CL             | 1              | 160/172   | -           |          |
|         | 3Ps       | OTB  | Feb   | CL             | 3              | 320/639   | -           | 90/143   |
|         |           |      | Nov   | CL             | 3              | 237/437   | -           | 153/271  |
|         |           |      | Dec   | CL             | 1              | 112/191   | -           |          |
|         | 4Vs       | OTB  | Mar   | CL             | 2              | 385/454   | -           | -        |
|         |           |      | Apr   | CL             | 1              | 194/144   | -           | -        |
| WIT     | 3K        | OTB  | Feb   | CL             | 2              | 202/649   | -           | 103/164  |
|         |           |      | Mar   | CL             | 1              | 86/175    | -           | 42/63    |
|         |           |      | Apr   | CL             | 1              | 137/234   | -           |          |
|         | 3L        | GN   | Jun   | CL             | 2              | 97/153    | -           | 42/75    |

CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| YEL     | 3N        | OTB  | Nov   | CL             | 2              | 270/451   | -           | 170/224  |
|         |           |      | Dec   | CL             | 2              | 141/573   |             |          |
|         | 3Ps       | OTB  | Feb   | CL             | 1              | 336/258   | -           | 46/50    |
|         |           |      | Sep   | CL             | 1              | 37/97     | -           | 26/41    |
|         |           |      | Nov   | CL             | 2              | 412/333   | -           | 43/53    |
|         |           | PTB  | Sep   | CL             | 1              | 67/182    | -           | 22/39    |
|         |           |      | Oct   | CL             | 1              | 118/167   | -           | 54/60    |
|         | 4R        | OTB  | Feb   | CL             | 3              | 538/576   | -           | 117/156  |
|         |           |      | Mar   | CL             | 1              | 174/175   |             |          |
|         | 4Vs       | OTB  | Mar   | CL             | 1              | 127/209   | -           | -        |
|         | 3L        | OTB  | May   | CL             | 9              | 1397/1132 | -           | 170/213  |
|         |           |      | Jun   | CL             | 9              | 1977/1756 |             |          |
|         |           |      | Aug   | CL             | 2              | 205/591   |             |          |
|         | 3N        | OTB  | Mar   | CL             | 1              | 141/236   | -           | 52/68    |
|         |           |      | May   | CL             | 1              | 223/227   | -           | 50/63    |
|         |           |      | Jun   | CL             | 1              | 153/242   |             |          |
|         |           |      | Jul   | CL             | 3              | 357/847   | -           | 205/299  |
|         |           |      | Aug   | CL             | 3              | 424/828   |             |          |
|         |           |      | Sep   | CL             | 4              | 492/1035  |             |          |
|         |           |      | Oct   | CL             | 13             | 2858/3735 |             |          |
|         |           |      | Nov   | CL             | 9              | 3840/5665 | -           | 238/330  |
|         |           |      | Dec   | CL             | 2              | 229/480   |             |          |
|         | 30        | OTB  | Oct   | CL             | 1              | 105/131   | -           | 16/20    |
|         | 3Ps       | OTB  | Nov   | CL             | 1              | 213/245   | -           | 29/39    |
| GHL     | 4Vs       | OTB  | Apr   | CL             | 1              | 182/127   | -           | -        |
|         | 2H        | GN   | Oct   | CL             | 5              | 480/981   | -           | 243/396  |
|         | 3K        | OTB  | Feb   | CL             | 1              | 78/110    | -           | 201/251  |
|         |           |      | Mar   | CL             | 4              | 749/861   |             |          |
|         |           |      | Apr   | CL             | 2              | 214/268   | -           | 45/74    |
|         |           | GN   | Jul   | CL             | 14             | 2026/2968 | -           | 324/426  |
|         |           |      | Sep   | CL             | 6              | 992/1124  | -           | 337/425  |
|         |           |      | Oct   | CL             | 5              | 782/1042  |             |          |
|         | 3L        | OTB  | May   | CL             | 1              | 252/299   | -           | 55/59    |
|         |           | GN   | May   | CL             | 7              | 905/1233  | -           | 192/209  |
|         |           |      | Jun   | CL             | 4              | 214/391   | -           | 143/180  |
|         |           |      | Jul   | CL             | 3              | 140/259   |             |          |
|         |           |      | Sep   | CL             | 7              | 918/1116  | -           | 176/246  |
|         |           |      | Oct   | CL             | 1              | 60/73     |             |          |
|         | 3N        | OTB  | Oct   | CL             | 1              | 21/46     | -           | 16/21    |
|         | 3Ps       | OTB  | Sep   | CL             | 1              | 111/142   | -           | 40/40    |
|         | 4R        | OTB  | Feb   | CL             | 2              | 379/200   | -           | 75/95    |
|         |           |      | Mar   | CL             | 1              | 90/79     |             |          |

<sup>1</sup> Same key used for GN, LHP and FPN.

<sup>2</sup> Same key used for GN, LL and LHP.

<sup>3</sup> Same key used for GN and LL.

<sup>4</sup> Same key used for GN, LL, LHP and FPN.

<sup>5</sup> Same key used for GN and LL.

CANADA (M) - SCIENTIFIC OBSERVER PROGRAM - CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| 1980    |           |      |       |                |                |           |             |          |
| REB     | 4R        | OTB  | Feb   | CL             | -              | 26/32     | -           | 26/32    |
|         |           |      | Aug   | CL             | -              | 115/128   | -           | 115/128  |
|         | 4S        | OTB  | Aug   | CL             | -              | 52/61     | -           | 52/61    |
|         | 4T        | OTB  | May   | CL             | -              | 28/37     | -           | 28/37    |
|         | 4RT       | OTB  | Aug   | CL             | -              | 7/10      | -           | 7/10     |

PORTUGAL - SCIENTIFIC OBSERVER PROGRAM - CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| 1980    |           |      |       |                |                |           |             |          |
| COD     | 3N        | GN   | May   | CL             | 1              | 166       | -           | 47       |

CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples      |                   |                   |
|---------|-----------|------|-------|----------------|----------------|-----------|------------------|-------------------|-------------------|
|         |           |      |       |                | No.            | No. meas. | No.              | No. aged          |                   |
| 1981    |           |      |       |                |                |           |                  |                   |                   |
| COD     | 2J        | OTB  | Jun   | CL             | 13             | 5795      | }                | -                 | 377               |
|         |           |      | Feb   | CL             | 9              | 4050      |                  |                   |                   |
|         |           | GN   | Jul   | CL             | 3              | 269       | }                | -                 | 537 <sup>1</sup>  |
|         |           |      | Aug   | CL             | 4              | 1688      |                  |                   |                   |
|         |           | FPN  | Jul   | CL             | 4              | 1092      | -                | 537 <sup>1</sup>  |                   |
|         | 3K        | OTB  | Jan   | CL             | 5              | 1874      | }                | -                 | 480               |
|         |           |      | Feb   | CL             | 13             | 6197      |                  |                   |                   |
|         |           |      | Mar   | CL             | 1              | 445       |                  |                   |                   |
|         |           |      | Apr   | CL             | 7              | 2220      |                  |                   |                   |
|         |           |      | May   | CL             | 1              | 389       |                  |                   |                   |
|         |           |      | Jul   | CL             | 1              | 344       |                  |                   |                   |
|         |           |      | Nov   | CL             | 4              | 1274      |                  |                   |                   |
|         |           | GN   | Aug   | CL             | 9              | 2237      | -                | 642 <sup>2</sup>  |                   |
|         |           |      | Sep   | CL             | 6              | 2211      | -                | 503 <sup>3</sup>  |                   |
|         |           | LL   | Jul   | CL             | 6              | 1040      | -                | 642 <sup>2</sup>  |                   |
|         | LHP       | Jul  | CL    | 17             | 3534           | -         | 642 <sup>2</sup> |                   |                   |
|         |           | Sep  | CL    | 5              | 2513           | -         | 503 <sup>3</sup> |                   |                   |
|         | FPN       | Jul  | CL    | 13             | 4633           | -         | 642 <sup>2</sup> |                   |                   |
|         | 3L        | OTB  | Jan   | CL             | 14             | 5954      | }                | -                 | 438               |
|         |           |      | Mar   | CL             | 1              | 373       |                  |                   |                   |
|         |           |      | Apr   | CL             | 4              | 2552      |                  |                   |                   |
|         |           |      | May   | CL             | 8              | 3299      |                  |                   |                   |
|         |           |      | Jun   | CL             | 3              | 1133      |                  |                   |                   |
|         |           |      | Jul   | CL             | 2              | 584       |                  |                   |                   |
|         |           |      | Sep   | CL             | 5              | 2170      |                  |                   |                   |
|         |           |      | Oct   | CL             | 3              | 1059      |                  |                   |                   |
|         |           |      | Nov   | CL             | 12             | 4237      |                  |                   |                   |
|         |           |      | Dec   | CL             | 3              | 913       |                  |                   |                   |
|         |           | GN   | May   | CL             | 14             | 4368      | -                | 648 <sup>4</sup>  |                   |
|         |           |      | Jun   | CL             | 7              | 1396      | }                | -                 | 1091 <sup>5</sup> |
|         |           |      | Jul   | CL             | 8              | 1902      |                  |                   |                   |
|         |           | LL   | Jul   | CL             | 3              | 775       | -                | 1091 <sup>5</sup> |                   |
|         |           |      | Sep   | CL             | 6              | 1674      | -                | 329 <sup>6</sup>  |                   |

## CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |                   |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|-------------------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged          |
|         |           | LHP  | Jun   | CL             | 4              | 1050      | -           | 1091 <sup>5</sup> |
|         |           |      | Jul   | CL             | 9              | 2029      | -           |                   |
|         |           |      | Sep   | CL             | 7              | 1887      | -           | 329 <sup>6</sup>  |
|         |           | FPN  | May   | CL             | 3              | 1629      | -           | 648 <sup>4</sup>  |
|         |           |      | Jun   | CL             | 6              | 2273      | -           |                   |
|         |           |      | Jul   | CL             | 11             | 5204      | -           | 1091 <sup>5</sup> |
|         | 3N        | OTB  | Jun   | CL             | 1              | 216       | -           | 96                |
|         |           |      | Jul   | CL             | 1              | 417       | -           |                   |
|         |           |      | Aug   | CL             | 2              | 586       | -           | 479               |
|         |           |      | Sep   | CL             | 4              | 1285      | -           |                   |
|         |           |      | Oct   | CL             | 3              | 1157      | -           | 190               |
|         | 30        | OTB  | Jan   | CL             | 1              | 303       | -           | 81                |
|         |           |      | Jul   | CL             | 4              | 1716      | -           |                   |
|         |           |      | Sep   | CL             | 1              | 359       | -           | 397               |
|         |           |      | Nov   | CL             | 6              | 3297      | -           | 111               |
|         | 3Pn       | OTB  | Feb   | CL             | 7              | 3648      | -           | 322               |
|         |           | LL   | Feb   | CL             | 6              | 3098      | -           | 429               |
|         |           |      | Mar   | CL             | 10             | 6221      | -           | 500               |
|         |           |      | Nov   | CL             | 12             | 4555      | -           | 487               |
|         | 3Ps       | OTB  | Jan   | CL             | 4              | 1104      | -           | 293               |
|         |           |      | Nov   | CL             | 1              | 178       | -           | 89                |
|         |           | GN   | Apr   | CL             | 1              | 231       | -           |                   |
|         |           |      | May   | CL             | 15             | 4055      | -           | 698 <sup>7</sup>  |
|         |           |      | Jun   | CL             | 2              | 687       | -           |                   |
|         |           |      | Jul   | CL             | 3              | 567       | -           | 583 <sup>8</sup>  |
|         |           | LL   | Jan   | CL             | 2              | 1192      | -           |                   |
|         |           |      | Feb   | CL             | 7              | 3017      | -           | 509               |
|         |           |      | Mar   | CL             | 3              | 1219      | -           |                   |
|         |           |      | May   | CL             | 16             | 3546      | -           | 698 <sup>7</sup>  |
|         |           |      | Jun   | CL             | 1              | 166       | -           |                   |
|         |           |      | Jul   | CL             | 4              | 2200      | -           | 583 <sup>8</sup>  |
|         |           |      | Aug   | CL             | 8              | 2372      | -           |                   |
|         |           |      | Sep   | CL             | 12             | 4531      | -           |                   |
|         |           |      | Oct   | CL             | 4              | 1287      | -           | 665               |
|         |           | LHP  | Jul   | CL             | 1              | 136       | -           |                   |
|         |           |      | Aug   | CL             | 7              | 1437      | -           | 583 <sup>8</sup>  |
|         |           |      | May   | CL             | 2              | 463       | -           |                   |
|         |           |      | Jun   | CL             | 2              | 969       | -           | 698 <sup>7</sup>  |
|         |           |      | Jul   | CL             | 1              | 407       | -           | 583 <sup>8</sup>  |
|         | 4R        | OTB  | Jan   | CL             | 12             | 6268      | -           |                   |
|         |           |      | Feb   | CL             | 1              | 488       | -           | 380               |
|         |           |      | May   | CL             | 8              | 4052      | -           | 350               |
|         |           |      | Jul   | CL             | 1              | 506       | -           | -                 |
|         |           | GN   | May   | CL             | 5              | 483       | -           | 669 <sup>9</sup>  |
|         |           |      | Jun   | CL             | 9              | 3112      | -           | 818 <sup>10</sup> |
|         |           | LL   | Mar   | CL             | 12             | 6374      | -           | 669 <sup>9</sup>  |
|         |           |      | Jun   | CL             | 1              | 60        | -           |                   |
|         |           |      | Jul   | CL             | 7              | 1318      | -           | 818 <sup>10</sup> |
|         |           | FPN  | Jun   | CL             | 5              | 2498      | -           | 818 <sup>10</sup> |
| HAD     | 3Ps       | OTB  | Jan   | CL             | 2              | 666       | -           | -                 |
| REG     | 3K        | OTB  | Apr   | CL             | 2              | 13/18     | -           | -                 |
|         |           |      | Jul   | CL             | 2              | 91/53     | -           | -                 |
|         |           |      | Nov   | CL             | 1              | 2/5       | -           | -                 |
|         | 3L        | OTB  | Nov   | CL             | 1              | 14/31     | -           | -                 |
|         | 3Ps       | OTB  | Feb   | CL             | 1              | 66/86     | -           | -                 |

## CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| REB     | 2J        | OTB  | Jan   | CL             | 4              | 618/676   | -           | 114/144  |
|         |           |      | Feb   | CL             | 1              | 117/240   | -           | 26/25    |
|         |           |      | Aug   | CL             | 1              | 255/238   | -           |          |
|         | 3K        | OTB  | Jan   | CL             | 1              | 176/306   | -           | 85/126   |
|         |           |      | Mar   | CL             | 5              | 967/1028  | -           |          |
|         |           |      | Apr   | CL             | 3              | 403/622   | -           | 159/220  |
|         |           |      | May   | CL             | 2              | 718/760   | -           |          |
|         |           |      | Jun   | CL             | 3              | 404/745   | -           | 156/198  |
|         |           |      | Jul   | CL             | 5              | 772/1093  | -           | 8        |
|         |           |      | Nov   | CL             | -              | 8         | -           | 50/68    |
|         |           |      | Nov   | CL             | 1              | 220/268   | -           |          |
|         | 3L        | OTB  | Jan   | CL             | 3              | 814/365   | -           | 179/222  |
|         |           |      | Mar   | CL             | 2              | 493/323   | -           | 113/155  |
|         |           |      | May   | CL             | 4              | 702/1258  | -           | 59/79    |
|         |           |      | Sep   | CL             | 1              | 128/272   | -           |          |
|         |           |      | Nov   | CL             | 8              | 1500/1323 | -           | 129/169  |
|         |           |      | Dec   | CL             | 6              | 1367/1378 | -           |          |
|         | 3M        | OTM  | Nov   | CL             | 1              | 314/358   | -           | -        |
|         | 3N        | OTB  | Jan   | CL             | 1              | 212/244   | -           | 28/46    |
|         | 3O        | OTB  | May   | CL             | 2              | 379/631   | -           | 208/288  |
|         |           |      | Jun   | CL             | 4              | 868/1166  | -           |          |
|         | 3Pn       | OTB  | Feb   | CL             | 3              | 693/767   | -           | 101/133  |
|         |           |      | Jun   | CL             | 2              | 462/590   | -           | 42/47    |
|         |           |      | Jul   | CL             | 2              | 277/320   | -           | 53/56    |
|         |           |      | Aug   | CL             | 1              | 188/200   | -           | 95/119   |
|         |           |      | Oct   | CL             | 6              | 689/1161  | -           |          |
|         | 3Ps       | OTB  | Feb   | CL             | 5              | 925/1395  | -           | 97/121   |
|         |           |      | Mar   | CL             | 1              | 220/335   | -           |          |
|         |           |      | May   | CL             | 1              | 171/207   | -           | 95/117   |
|         |           |      | Jun   | CL             | 3              | 667/879   | -           | 98/111   |
|         |           |      | Aug   | CL             | 8              | 1851/1918 | -           |          |
|         | 4R        | OTB  | Jan   | CL             | 2              | 460/584   | -           | 178/84   |
|         |           |      | Feb   | CL             | 1              | 150/257   | -           | 65/231   |
|         |           |      | Jun   | CL             | 1              | 282/235   | -           |          |
|         | 4T        | OTB  | Mar   | CL             | 1              | 132/169   | -           | 24/27    |
| PLA     | 2J        | OTB  | Jan   | CL             | 2              | 77/465    | -           | 37/96    |
|         | 3K        | OTB  | Jan   | CL             | 3              | 358/686   | -           | 210/437  |
|         |           |      | Feb   | CL             | 9              | 779/2538  | -           |          |
|         |           |      | Mar   | CL             | 4              | 436/1526  | -           | 108/255  |
|         |           |      | Apr   | CL             | 4              | 314/1493  | -           |          |
|         |           |      | May   | CL             | 2              | 118/750   | -           |          |
|         |           | GN   | Aug   | CL             | 4              | 337/1519  | -           | 117/252  |
|         |           |      | Sep   | CL             | 5              | 465/2051  | -           | 153/355  |
|         | 3L        | OTB  | Jan   | CL             | 2              | 145/799   | -           | 224/428  |
|         |           |      | Mar   | CL             | 8              | 947/2223  | -           |          |
|         |           |      | Apr   | CL             | 11             | 2680/2200 | -           | 319/469  |
|         |           |      | May   | CL             | 23             | 5072/7704 | -           |          |
|         |           |      | Jun   | CL             | 12             | 2189/2642 | -           | 243/447  |
|         |           |      | Jul   | CL             | 3              | 546/693   | -           |          |
|         |           |      | Aug   | CL             | 5              | 344/1294  | -           |          |
|         |           |      | Sep   | CL             | 6              | 960/1625  | -           | 259/431  |
|         |           |      | Oct   | CL             | 16             | 2096/6492 | -           |          |
|         |           |      | Nov   | CL             | 3              | 372/853   | -           |          |
|         |           |      | Dec   | CL             | 2              | 144/523   | -           |          |
|         |           | GN   | May   | CL             | 11             | 995/3079  | -           | 168/360  |
|         |           |      | Jun   | CL             | 4              | 104/1369  | -           | 137/370  |
|         |           |      | Jul   | CL             | 1              | 10/206    | -           |          |
|         |           |      | Aug   | CL             | 2              | 203/449   | -           |          |

## CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |                      |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------------------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged             |
| WIT     | 3N        | OTB  | Jan   | CL             | 2              | 401/468   | -           | 114/168              |
|         |           |      | Mar   | CL             | 1              | 144/274   |             |                      |
|         |           |      | Apr   | CL             | 1              | 119/254   |             |                      |
|         |           |      | May   | CL             | 4              | 925/799   | -           | 305/460              |
|         |           |      | Jun   | CL             | 4              | 703/1025  |             |                      |
|         |           |      | Jul   | CL             | 5              | 631/947   |             |                      |
|         |           |      | Aug   | CL             | 7              | 1071/2257 | -           | 333/527              |
|         |           |      | Sep   | CL             | 1              | 206/156   |             |                      |
|         |           |      | Oct   | CL             | 3              | 545/694   |             |                      |
|         |           |      | Nov   | CL             | 1              | 286/159   | -           | 191/298              |
|         | 30        | OTB  | Jul   | CL             | 2              | 306/479   | -           | 71/111               |
|         |           |      | Oct   | CL             | 1              | 84/144    | -           | 185/330              |
|         |           |      | Nov   | CL             | 6              | 904/3454  |             |                      |
|         | 3Ps       | OTB  | Jan   | CL             | 1              | 154/299   | -           | 45/67                |
|         |           |      | Oct   | CL             | 1              | 163/164   | -           | 245/421              |
|         |           |      | Nov   | CL             | 8              | 1398/3117 |             |                      |
|         |           | GN   | May   | CL             | 4              | 580/661   | -           | 178/269 <sup>u</sup> |
|         |           | LL   | May   | CL             | 1              | 33/80     | -           | 178/269 <sup>u</sup> |
|         | 4R        | GN   | May   | CL             | 2              | 85/510    | -           | 58/133               |
|         | 4S        | OTB  | Mar   | CL             | 1              | 54/400    | -           | 46/89                |
|         | 3K        | OTB  | Jan   | CL             | 1              | 257/255   | -           | 316/433              |
|         |           |      | Feb   | CL             | 7              | 1624/1115 |             |                      |
|         |           |      | Mar   | CL             | 5              | 1111/879  |             |                      |
|         |           |      | Apr   | CL             | 7              | 1295/1382 | -           | 293/388              |
|         |           |      | May   | CL             | 1              | 177/155   |             |                      |
|         |           | GN   | Sep   | CL             | 5              | 1107/909  | -           | 247/311              |
|         | 3L        | OTB  | Jan   | CL             | 1              | 113/108   | -           | 45/56                |
|         |           |      | Oct   | CL             | 4              | 829/328   | -           | 240/259              |
|         |           |      | Nov   | CL             | 2              | 555/266   |             |                      |
|         | 3N        | OTB  | Apr   | CL             | 1              | 174/189   | -           | 38/53                |
|         |           |      | Aug   | CL             | 4              | 296/320   | -           | -                    |
|         | 3Pn       | OTB  | Oct   | CL             | 2              | 285/564   | -           | 70/120               |
|         | 3Ps       | SDN  | Oct   | CL             | 1              | 198/216   | -           | 40/54                |
|         | 4R        | OTB  | Mar   | CL             | 2              | 310/487   | -           | 98/126               |
|         |           |      | Jul   | CL             | 2              | 119/637   | -           | 70/120               |
|         | 4T        | OTB  | Mar   | CL             | 1              | 116/240   | -           | 39/68                |
| YEL     | 3L        | OTB  | Apr   | CL             | 3              | 615/606   | -           | 170/212              |
|         |           |      | May   | CL             | 5              | 976/913   |             |                      |
|         |           |      | Jun   | CL             | 1              | 241/187   |             |                      |
|         |           |      | Jul   | CL             | 2              | 785/572   | -           | 63/72                |
|         |           |      | Dec   | CL             | 2              | 404/367   | -           | 54/65                |
|         |           |      |       |                |                |           |             |                      |
|         | 3N        | OTB  | Apr   | CL             | 1              | 221/198   | -           | 195/272              |
|         |           |      | May   | CL             | 3              | 570/742   |             |                      |
|         |           |      | Jun   | CL             | 4              | 1192/1124 |             |                      |
|         |           |      | Jul   | CL             | 7              | 1369/1360 | -           | 232/319              |
|         |           |      | Aug   | CL             | 11             | 2975/5044 |             |                      |
|         |           |      | Sep   | CL             | 10             | 2419/1988 |             |                      |
|         |           |      | Oct   | CL             | 10             | 2297/2696 | -           | 218/288              |
|         | 30        | OTB  | Jul   | CL             | 1              | 222/195   | -           | 70/95                |
|         |           |      | Sep   | CL             | 1              | 111/279   |             |                      |
| GHL     | 2H        | OTB  | Jul   | CL             | 1              | 38/96     | -           | 37/83                |
|         | 2J        | GN   | Jul   | CL             | 1              | 191/454   | -           | 87/181               |
|         |           |      | Oct   | CL             | 1              | 214/209   | -           | 80/79                |

CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
|         | 3K        | OTB  | Jan   | CL             | 3              | 546/494   | -           | 252/364  |
|         |           |      | Feb   | CL             | 7              | 1261/1385 |             |          |
|         |           |      | Mar   | CL             | 1              | 195/247   |             |          |
|         |           |      | Apr   | CL             | 6              | 840/817   |             |          |
|         |           |      | May   | CL             | 1              | 122/115   |             |          |
|         |           | GN   | Jul   | CL             | 10             | 1643/1752 | -           | 241/268  |
|         |           |      | Sep   | CL             | 6              | 1147/1353 | -           | 220/257  |
|         | 3L        | OTB  | Oct   | CL             | 1              | 132/208   | -           | 86/135   |
|         |           |      | Nov   | CL             | 1              | 84/194    |             |          |
|         |           | GN   | May   | CL             | 16             | 1208/1832 | -           | 204/238  |
|         |           |      | Jun   | CL             | 2              | 123/290   | -           | 330/424  |
|         |           |      | Jul   | CL             | 2              | 168/235   |             |          |
|         |           |      | Aug   | CL             | 10             | 1356/1482 |             |          |
|         |           |      | Sep   | CL             | 6              | 992/1544  |             |          |
|         | 4T        | OTB  | Mar   | CL             | 1              | 182/111   | -           | 44/53    |

<sup>1</sup> Same key for GN and FPN.

<sup>2</sup> Same key for GN, LL, LHP and FPN.

<sup>3</sup> Same key for GN and FPN.

<sup>4</sup> Same key for GN and FPN.

<sup>5</sup> Same key for GN, LL, LHP and FPN.

<sup>6</sup> Same key for LL and LHP.

<sup>7</sup> Same key for GN, LL and LHP.

<sup>8</sup> Same key for GN, LL and LHP.

<sup>9</sup> Same key for GN and LL.

<sup>10</sup> Same key for GN, LL and FPN.

<sup>11</sup> Same key for GN and LL.

CANADA (M) - SCIENTIFIC OBSERVER PROGRAM - CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| 1981    |           |      |       |                |                |           |             |          |
| COD     | 2J        | OTB  | Jan   | CL             | 3              | 922       | -           | 219      |
|         |           |      | Feb   | CL             | 2              | 714       |             |          |
|         | 2J-3K     | OTB  | Jun   | CL             | 1              | 329       | -           | -        |
|         | 3L        | OTB  | Jan   | CL             | 1              | 315       | -           | 66       |
|         | 3M        | OTB  | Jun   | CL             | 1              | 200       | -           | 32       |
|         | 3Ps       | LL   | Jul   | CL             | 1              | 240       | -           | 63       |
|         | 4R        | OTB  | Jan   | CL             | 3              | 1161      | -           | 100      |
|         |           |      | Apr   | CL             | 2              | 400       | -           | 438      |
|         |           |      | May   | CL             | 8              | 1613      |             |          |
|         | 4RS       | OTB  | Jan   | CL             | 2              | 657       | -           | 113      |
|         | 4S        | OTB  | May   | CL             | 1              | 200       | -           | 62       |
|         |           |      | Jun   | CL             | 1              | 200       |             |          |
|         |           |      | Sep   | CL             | 2              | 400       | -           | 48       |
|         |           |      | Oct   | CL             | 3              | 623       | -           | 150      |
|         |           |      | Nov   | CL             | 2              | 400       |             |          |
|         |           | LL   | May   | CL             | 1              | 200       | -           | 44       |
|         |           |      | Aug   | CL             | 1              | 200       | -           | 29       |
| HAD     | 4R        | OTB  | Jan   | CL             | 1              | 241       | -           | -        |
| REB     | 2HJ       | OTB  | Aug   | CL             | 1              | 75/126    | -           | -        |
|         | 2J        | OTB  | Jul   | CL             | 2              | 256/147   | -           | -        |
|         |           |      | Aug   | CL             | 1              | 131/65    |             |          |
|         | 2J-3K     | OTB  | Jul   | CL             | 1              | 109/87    | -           | -        |

## CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of samples | Length samples |           | Age samples |          |
|---------|-----------|------|-------|-----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                 | No.            | No. meas. | No.         | No. aged |
| PLA     | 3K        | OTB  | Jun   | CL              | 2              | 217/193   | -           | -        |
|         | 3L        | OTB  | Jan   | CL              | 1              | 141/59    | -           | -        |
|         |           |      | May   | CL              | 1              | 116/85    | -           | -        |
|         | 3N        | OTB  | Jun   | CL              | 1              | 74/165    | -           | -        |
|         | 3O        | OTB  | Jul   | CL              | 1              | 113/87    | -           | -        |
|         | 3Ps       | OTM  | Apr   | CL              | 2              | 200/200   | -           | -        |
|         | 4R        | OTB  | Jun   | CL              | 4              | 448/350   | -           | -        |
|         |           |      | Jul   | CL              | 7              | 739/660   | -           | 129/128  |
|         |           |      | Aug   | CL              | 11             | 1142/1059 | -           |          |
|         |           | OTM  | Aug   | CL              | 1              | 98/102    | -           | -        |
|         | 4RS       | OTB  | Jan   | CL              | 1              | 164/57    | -           | -        |
|         | 4S        | OTB  | Jun   | CL              | 3              | 339/268   | -           | -        |
|         |           |      | Jul   | CL              | 3              | 306/300   | -           | -        |
|         |           |      | Aug   | CL              | 2              | 185/208   | -           | -        |
|         |           | OTM  | Sep   | CL              | 1              | 102/98    | -           | -        |
|         | 4T        | OTB  | Jun   | CL              | 2              | 315/100   | -           | -        |
|         |           |      | Oct   | CL              | 1              | 91/109    | -           | -        |
|         | 2J        | OTB  | Aug   | CL              | 1              | 12/174    | -           | -        |
|         | 3L        | OTB  | Jan   | CL              | 1              | 22/159    | -           | -        |
|         |           |      | May   | CL              | 1              | 125/76    | -           | -        |
|         |           |      | Jun   | CL              | 1              | 110/92    | -           | -        |
|         | 3Ps       | OTB  | Jul   | CL              | 1              | 42/160    | -           | -        |
|         | 4R        | OTB  | Jun   | CL              | 1              | 40/140    | -           | -        |
|         |           |      | Apr   | CL              | 1              | 33/159    | -           | -        |
| WIT     | 3L        | OTB  | Jan   | CL              | 1              | 165/65    | -           | -        |
|         |           |      | May   | CL              | 1              | 89/111    | -           | -        |
|         |           |      | Jul   | CL              | 1              | 28/92     | -           | -        |

## CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples      |          |
|---------|-----------|------|-------|----------------|----------------|-----------|------------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.              | No. aged |
| 1982    |           |      |       |                |                |           |                  |          |
| COD     | 2H        | OTB  | Jun   | CL             | 2              | 806       | -                | 152      |
|         |           |      | Jul   | CL             | 3              | 734       | -                | 325      |
|         |           |      | Aug   | CL             | 12             | 3397      |                  |          |
|         |           |      | Sep   | CL             | 1              | 280       | -                | -        |
|         | 2J        | OTB  | Jan   | CL             | 7              | 2118      | -                | 403      |
|         |           |      | Feb   | CL             | 20             | 5994      |                  |          |
|         |           |      | Mar   | CL             | 32             | 11152     | -                | 357      |
|         |           |      | Apr   | CL             | 10             | 3846      |                  |          |
|         |           |      | May   | CL             | 1              | 272       | -                | -        |
|         |           |      | Jun   | CL             | 1              | 322       | -                | -        |
|         |           |      | Aug   | CL             | 3              | 883       | -                | 143      |
|         |           |      | GN    | Aug            | CL             | 15        | 2511             | -        |
|         | LHP       | Aug  | CL    | 8              | 1524           | -         | 433 <sup>1</sup> |          |
|         | FPN       | Aug  | CL    | 5              | 1541           | -         | 433 <sup>1</sup> |          |

CANADA (N)

| Species | NAFO<br>Div. | Gear | Month | Type of<br>sample | Length samples |           |   | Age samples      |                  |   |   |                  |
|---------|--------------|------|-------|-------------------|----------------|-----------|---|------------------|------------------|---|---|------------------|
|         |              |      |       |                   | No.            | No. meas. |   | No.              | No. aged         |   |   |                  |
|         | 3K           | OTB  | Feb   | CL                | 1              | 324       | } | -                | 273              |   |   |                  |
|         |              |      | Mar   | CL                | 4              | 1671      |   |                  |                  |   |   |                  |
|         |              |      | Apr   | CL                | 8              | 2978      |   |                  |                  |   |   |                  |
|         |              |      | May   | CL                | 2              | 601       |   |                  |                  |   |   |                  |
|         |              |      | Jun   | CL                | 1              | 393       |   |                  |                  |   |   |                  |
|         |              | GN   | Jun   | CL                | 2              | 595       | } | -                | 836 <sup>2</sup> |   |   |                  |
|         |              |      | Jul   | CL                | 20             | 5591      |   |                  |                  |   |   |                  |
|         |              |      | Sep   | CL                | 2              | 218       |   |                  |                  |   |   |                  |
|         |              | LL   | Sep   | CL                | 15             | 2248      | } | -                | 416 <sup>3</sup> |   |   |                  |
|         |              |      |       |                   |                |           |   |                  |                  |   |   |                  |
|         |              | LHP  | Jul   | CL                | 5              | 1248      | } | -                | 836 <sup>2</sup> |   |   |                  |
|         |              |      | Aug   | CL                | 20             | 4052      |   |                  |                  |   |   |                  |
|         |              |      | Sep   | CL                | 3              | 370       |   |                  |                  |   |   |                  |
|         |              | FPN  | Jun   | CL                | 4              | 1410      | } | -                | 836 <sup>2</sup> |   |   |                  |
|         |              |      | Jul   | CL                | 17             | 7670      |   |                  |                  |   |   |                  |
|         | 3L           | OTB  | Jan   | CL                | 5              | 1557      | } | -                | 354              |   |   |                  |
|         |              |      | Mar   | CL                | 2              | 681       |   |                  |                  |   |   |                  |
|         |              |      | Apr   | CL                | 11             | 2884      |   |                  |                  |   |   |                  |
|         |              |      | May   | CL                | 5              | 1332      |   |                  |                  |   |   |                  |
|         |              |      | Jun   | CL                | 10             | 3482      |   |                  |                  |   |   |                  |
|         |              |      | Jul   | CL                | 1              | 288       |   |                  |                  |   |   |                  |
|         |              |      | Sep   | CL                | 2              | 629       |   |                  |                  |   |   |                  |
|         |              |      | Oct   | CL                | 3              | 790       |   |                  |                  |   |   |                  |
|         |              |      | Nov   | CL                | 29             | 14313     |   |                  |                  |   |   |                  |
|         |              |      | Dec   | CL                | 16             | 5789      |   |                  |                  |   |   |                  |
| GN      |              |      | Apr   | CL                | 1              | 272       |   |                  |                  | } | - | 365 <sup>4</sup> |
|         |              |      | May   | CL                | 14             | 3090      |   |                  |                  |   |   |                  |
|         |              |      | Jun   | CL                | 2              | 209       |   |                  |                  |   |   |                  |
|         |              |      | Jul   | CL                | 10             | 3107      |   |                  |                  |   |   |                  |
|         |              |      | Aug   | CL                | 5              | 694       |   |                  |                  |   |   |                  |
|         |              | Sep  | CL    | 1                 | 184            |           |   |                  |                  |   |   |                  |
| LL      |              | Aug  | CL    | 8                 | 2292           | }         | - | 907 <sup>5</sup> |                  |   |   |                  |
|         |              | Sep  | CL    | 6                 | 738            |           |   |                  |                  |   |   |                  |
| LHP     |              | Jun  | CL    | 12                | 1992           | }         | - | 907 <sup>5</sup> |                  |   |   |                  |
|         |              | Jul  | CL    | 6                 | 1331           |           |   |                  |                  |   |   |                  |
|         |              | Aug  | CL    | 4                 | 608            |           |   |                  |                  |   |   |                  |
|         |              | Sep  | CL    | 3                 | 460            |           |   |                  |                  |   |   |                  |
|         |              | Oct  | CL    | 1                 | 131            |           |   |                  |                  |   |   |                  |
| FPN     |              | Jun  | CL    | 19                | 6161           | }         | - | 365 <sup>4</sup> |                  |   |   |                  |
|         |              | Jul  | CL    | 16                | 4554           |           |   |                  |                  |   |   |                  |
| 3N      | OTB          | Jul  | CL    | 1                 | 251            | }         | - | 229              |                  |   |   |                  |
|         |              | Sep  | CL    | 3                 | 1607           |           |   |                  |                  |   |   |                  |
|         |              | Oct  | CL    | 10                | 3908           |           |   |                  |                  |   |   |                  |
| 3O      | OTB          | Feb  | CL    | 3                 | 691            | }         | - | 411              |                  |   |   |                  |
|         |              | Mar  | CL    | 3                 | 922            |           |   |                  |                  |   |   |                  |
|         |              | Apr  | CL    | 1                 | 145            |           |   |                  |                  |   |   |                  |
|         |              | May  | CL    | 8                 | 3342           |           |   |                  |                  |   |   |                  |
| 3Pn     | OTB          | Mar  | CL    | 1                 | 493            | }         | - | 25               |                  |   |   |                  |
|         |              |      |       |                   |                |           |   |                  |                  |   |   |                  |
|         | LL           | Mar  | CL    | 10                | 3557           |           | - | 363              |                  |   |   |                  |
| 3Ps     | OTB          | Jan  | CL    | 2                 | 361            | }         | - | 354              |                  |   |   |                  |
|         |              | Mar  | CL    | 5                 | 1055           |           |   |                  |                  |   |   |                  |
|         |              | Apr  | CL    | 1                 | 238            |           |   |                  |                  |   |   |                  |
|         |              | May  | CL    | 6                 | 4273           |           |   |                  |                  |   |   |                  |
|         |              | Aug  | CL    | 1                 | 502            |           |   |                  |                  |   |   |                  |
|         |              | Nov  | CL    | 5                 | 1645           |           |   |                  |                  |   |   |                  |
|         |              | GN   | May   | CL                | 17             |           |   |                  | 3552             | } | - | 736 <sup>7</sup> |
|         |              |      | Jun   | CL                | 11             |           |   |                  | 2411             |   |   |                  |
|         |              |      | Jul   | CL                | 2              |           |   |                  | 719              |   |   |                  |
|         |              |      |       |                   |                |           |   |                  |                  |   |   | -                |

## CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |                   |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|-------------------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged          |
| HAD     | 30        | LL   | Feb   | CL             | 5              | 2562      | -           | 348               |
|         |           |      | Mar   | CL             | 8              | 2945      | -           | 736 <sup>7</sup>  |
|         |           |      | Apr   | CL             | 1              | 207       | -           | 736 <sup>7</sup>  |
|         |           |      | May   | CL             | 5              | 1984      | -           | 736 <sup>7</sup>  |
|         |           |      | Jun   | CL             | 3              | 954       | -           | 819 <sup>8</sup>  |
|         |           |      | Jul   | CL             | 6              | 2173      | -           | 819 <sup>8</sup>  |
|         |           |      | Aug   | CL             | 14             | 4945      | -           | 819 <sup>8</sup>  |
|         |           |      | Sep   | CL             | 6              | 2962      | -           | 819 <sup>8</sup>  |
|         |           |      | Oct   | CL             | 7              | 1630      | -           | 745               |
|         |           |      | Nov   | CL             | 2              | 926       | -           | 745               |
|         |           | LHP  | Jun   | CL             | 1              | 283       | -           | 819 <sup>8</sup>  |
|         |           |      | Jul   | CL             | 1              | 420       | -           | 819 <sup>8</sup>  |
|         |           | FPN  | Jun   | CL             | 11             | 3975      | -           | 819 <sup>8</sup>  |
|         |           |      | Jul   | CL             | 1              | 503       | -           | 819 <sup>8</sup>  |
|         | 4R        | OTB  | Feb   | CL             | 4              | 1732      | -           | 451               |
|         |           |      | Mar   | CL             | 6              | 2504      | -           | 451               |
|         |           |      | May   | CL             | 17             | 6210      | -           | 366               |
|         |           | GN   | May   | CL             | 6              | 2192      | -           | 689 <sup>9</sup>  |
|         |           |      | Jun   | CL             | 10             | 2785      | -           | 484 <sup>10</sup> |
|         |           | LL   | Mar   | CL             | 4              | 1680      | -           | 689 <sup>9</sup>  |
|         |           |      | Jun   | CL             | 3              | 596       | -           | 484 <sup>10</sup> |
|         |           | LHP  | Jun   | CL             | 2              | 582       | -           | 484 <sup>10</sup> |
|         |           | FPN  | Jun   | CL             | 12             | 3691      | -           | 484 <sup>10</sup> |
|         |           | OTB  | May   | CL             | 2              | 598       | -           | -                 |
|         | REG       | 3Ps  | Nov   | CL             | 3              | 674       | -           | -                 |
|         |           | 2H   | Jul   | CL             | 1              | 17/10     | -           | -                 |
|         |           | 2J   | Aug   | CL             | 1              | 3/3       | -           | -                 |
|         |           | 3K   | May   | CL             | 1              | 2/7       | -           | -                 |
|         |           | 3L   | Sep   | CL             | 1              | 1/1       | -           | -                 |
| REB     |           | 2H   | Jul   | CL             | 1              | 197/179   | -           | 102/127           |
|         |           |      | Feb   | CL             | 1              | 236/205   | -           | 130/131           |
|         |           | 2J   | Mar   | CL             | 2              | 344/369   | -           | 130/131           |
|         |           |      | Aug   | CL             | 4              | 972/778   | -           | 109/130           |
|         |           |      | Sep   | CL             | 1              | 386/240   | -           | 109/130           |
|         |           |      | Sep   | CL             | 1              | 386/240   | -           | 109/130           |
|         |           | 3K   | Jan   | CL             | 1              | 50/153    | -           | 64/117            |
|         |           |      | Mar   | CL             | 1              | 179/251   | -           | 64/117            |
|         |           |      | Apr   | CL             | 1              | 215/152   | -           | 193/251           |
|         |           |      | May   | CL             | 3              | 354/631   | -           | 193/251           |
|         |           |      | Jun   | CL             | 1              | 208/196   | -           | 193/251           |
|         |           |      | Aug   | CL             | 1              | 83/159    | -           | 12/32             |
|         |           |      | Oct   | CL             | 1              | 232/235   | -           | 161/225           |
|         |           |      | Nov   | CL             | 2              | 453/650   | -           | 161/225           |
|         |           | 3L   | Jan   | CL             | 3              | 858/719   | -           | 187/187           |
|         |           |      | Feb   | CL             | 2              | 438/454   | -           | 187/187           |
|         |           |      | Mar   | CL             | 2              | 551/549   | -           | 187/187           |
|         |           |      | Apr   | CL             | 2              | 475/458   | -           | 209/235           |
|         |           |      | Jun   | CL             | 1              | 237/215   | -           | 209/235           |
|         |           |      | Jul   | CL             | 1              | 198/224   | -           | 155/204           |
|         |           |      | Sep   | CL             | 4              | 947/1193  | -           | 155/204           |
|         |           |      | Oct   | CL             | 1              | 223/241   | -           | 100/125           |
|         |           |      | Dec   | CL             | 2              | 614/639   | -           | 100/125           |
|         |           | 3N   | Jul   | CL             | 1              | 157/142   | -           | 32/57             |
|         |           |      | Oct   | CL             | 1              | 189/161   | -           | 52/64             |
|         |           |      | Nov   | CL             | 1              | 97/370    | -           | 52/64             |
|         | 3Pn       | OTB  | Jul   | CL             | 2              | 357/388   | -           | 157/197           |
|         |           |      | Aug   | CL             | 1              | 236/406   | -           | 157/197           |
|         |           |      | Nov   | CL             | 7              | 1469/1885 | -           | 173/188           |

## CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| PLA     | 3Ps       | OTB  | Jul   | CL             | 1              | 197/179   | -           | 250/287  |
|         |           |      | Aug   | CL             | 5              | 750/1019  |             |          |
|         | 4R        | OTB  | Feb   | CL             | 2              | 391/674   | -           | 128/175  |
|         |           |      | May   | CL             | 2              | 581/711   | -           | 133/179  |
|         | 2H        | OTB  | Aug   | CL             | 1              | 37/352    | -           | 23/62    |
|         | 3K        | OTB  | Mar   | CL             | 1              | 42/362    | -           | 23/64    |
|         |           |      | Apr   | CL             | 2              | 221/492   | -           | 148/333  |
|         |           |      | May   | CL             | 3              | 107/928   |             |          |
|         | 3L        | OTB  | Feb   | CL             | 1              | 169/227   | -           | 91/185   |
|         |           |      | Mar   | CL             | 3              | 458/699   |             |          |
|         |           |      | Apr   | CL             | 7              | 1164/1447 | -           | 293/457  |
|         |           |      | May   | CL             | 10             | 1901/2195 |             |          |
|         |           |      | Jun   | CL             | 20             | 3697/5382 | -           | 194/316  |
|         |           |      | Jul   | CL             | 5              | 713/1188  |             |          |
|         |           |      | Aug   | CL             | 3              | 568/1070  | -           | 287/465  |
|         |           |      | Sep   | CL             | 12             | 2463/4153 |             |          |
|         |           |      | Oct   | CL             | 9              | 1207/2086 | -           | 287/465  |
|         |           |      | Nov   | CL             | 20             | 1521/5797 |             |          |
|         |           |      | Dec   | CL             | 14             | 2387/4375 | -           | 30/58    |
|         |           | GN   | May   | CL             | 1              | 75/218    |             |          |
|         |           |      | Jun   | CL             | 2              | 55/565    | -           | 155/366  |
|         |           |      | Jul   | CL             | 4              | 96/1382   |             |          |
|         |           |      | Aug   | CL             | 4              | 102/987   | -           | 52/150   |
|         |           |      | Sep   | CL             | 3              | 76/534    |             |          |
|         | 3N        | OTB  | May   | CL             | 1              | 164/153   | -           | 48/78    |
|         |           |      | Jul   | CL             | 13             | 1832/2693 | -           | 364/608  |
|         |           |      | Aug   | CL             | 7              | 805/1198  |             |          |
|         |           |      | Sep   | CL             | 4              | 455/667   | -           | 315/521  |
|         |           |      | Oct   | CL             | 15             | 2702/3266 |             |          |
|         |           |      | Nov   | CL             | 3              | 880/835   | -           | 43/73    |
|         | 30        | OTB  | Feb   | CL             | 1              | 285/302   |             |          |
|         |           |      | Mar   | CL             | 4              | 499/951   | -           | 155/230  |
|         |           |      | Apr   | CL             | 1              | 215/129   | -           | 294/505  |
|         |           |      | May   | CL             | 10             | 1694/1833 |             |          |
|         |           |      | Jun   | CL             | 3              | 204/471   | -           | 151/227  |
|         |           |      | Oct   | CL             | 2              | 368/853   |             |          |
| WIT     | 3Ps       | OTB  | Jan   | CL             | 1              | 170/264   | -           | 114/271  |
|         |           |      | Mar   | CL             | 2              | 214/838   |             |          |
|         |           |      | May   | CL             | 2              | 145/1206  | -           | 33/82    |
|         |           |      | Aug   | CL             | 1              | 86/316    | -           | 35/61    |
|         |           |      | Nov   | CL             | 4              | 460/971   | -           | 151/227  |
|         | 4R        | FPN  | Jun   | CL             | 1              | 2/98      | -           | 2/32     |
|         | 3K        | OTB  | Mar   | CL             | 2              | 460/228   | -           | 97/110   |
|         |           |      | Apr   | CL             | 2              | 388/270   | -           | 118/146  |
|         |           |      | May   | CL             | 1              | 150/258   |             |          |
|         |           | GN   | Aug   | CL             | 1              | 122/149   | -           | 64/95    |
|         | 3L        | OTB  | Nov   | CL             | 1              | 145/95    | -           | 41/40    |
|         |           | GN   | Jun   | CL             | 4              | 546/602   | -           | 241/287  |
|         |           |      | Jul   | CL             | 2              | 184/455   |             |          |
|         |           |      | Aug   | CL             | 3              | 314/449   | -           | 22/30    |
|         | 3N        | OTB  | Sep   | CL             | 1              | 57/133    |             |          |
|         |           |      | Oct   | CL             | 1              | 162/241   | -           | 26/35    |
|         | 30        | OTB  | Mar   | CL             | 1              | 317/138   | -           | 50/51    |
|         |           |      | May   | CL             | 4              | 942/698   | -           | 180/205  |
|         |           |      | Jun   | CL             | 2              | 501/310   |             |          |
|         | 3Ps       | OTB  | Nov   | CL             | 1              | 266/183   | -           | 82/87    |

CANADA (N)

| Species                                         | NAFO Div.                                       | Gear | Month | Type of sample | Length samples                                       |                                                | Age samples |          |
|-------------------------------------------------|-------------------------------------------------|------|-------|----------------|------------------------------------------------------|------------------------------------------------|-------------|----------|
|                                                 |                                                 |      |       |                | No.                                                  | No. meas.                                      | No.         | No. aged |
| YEL                                             | 3L                                              | OTB  | Jun   | CL             | 6                                                    | 1154/1286                                      | -           | 61/79    |
|                                                 |                                                 |      | Aug   | CL             | 1                                                    | 213/258                                        | -           | 68/88    |
|                                                 |                                                 |      | Sep   | CL             | 1                                                    | 265/250                                        | -           | 28/37    |
|                                                 |                                                 |      | Oct   | CL             | 1                                                    | 209/217                                        | -           |          |
|                                                 | 3N                                              | OTB  | Jul   | CL             | 5                                                    | 669/1122                                       | -           | 152/210  |
|                                                 |                                                 |      | Aug   | CL             | 3                                                    | 395/980                                        | -           |          |
|                                                 |                                                 |      | Sep   | CL             | 11                                                   | 3301/3714                                      | -           |          |
|                                                 |                                                 |      | Oct   | CL             | 12                                                   | 3708/4013                                      | -           | 163/225  |
|                                                 |                                                 |      | Nov   | CL             | 1                                                    | 127/318                                        | -           |          |
|                                                 |                                                 |      | Dec   | CL             | 1                                                    | 158/240                                        | -           |          |
|                                                 |                                                 |      | FPN   | Aug            | CL                                                   | -                                              | 40/60       | -        |
|                                                 | 30                                              | OTB  | May   | CL             | 5                                                    | 1053/893                                       | -           | 174/247  |
|                                                 |                                                 |      | Oct   | CL             | 1                                                    | 234/172                                        | -           | 30/37    |
|                                                 | 3Ps                                             | OTB  | Nov   | CL             | 3                                                    | 524/787                                        | -           | 100/122  |
| GHL                                             | 2H                                              | OTB  | Jul   | CL             | 2                                                    | 336/209                                        | -           | 399/599  |
|                                                 |                                                 |      | Aug   | CL             | 11                                                   | 1378/1942                                      | -           |          |
|                                                 | 2J                                              | OTB  | Aug   | CL             | 3                                                    | 381/469                                        | -           | 61/94    |
|                                                 |                                                 |      | GN    | Aug            | CL                                                   | 2                                              | 375/479     | -        |
|                                                 |                                                 |      | Sep   | CL             | 4                                                    | 682/713                                        | -           | 230/259  |
|                                                 | 3K                                              | OTB  | Apr   | CL             | 1                                                    | 199/254                                        | -           | 151/191  |
|                                                 |                                                 |      | May   | CL             | 2                                                    | 243/235                                        | -           |          |
|                                                 | GN                                              |      | Jul   | CL             | 7                                                    | 1062/1353                                      | -           | 267/311  |
|                                                 |                                                 |      | Aug   | CL             | 4                                                    | 592/693                                        | -           | 188/217  |
|                                                 |                                                 |      | Sep   | CL             | 8                                                    | 1043/1279                                      | -           |          |
|                                                 | 3L                                              | OTB  | Nov   | CL             | 1                                                    | 192/259                                        | -           | 58/66    |
|                                                 |                                                 |      | GN    | Jul            | CL                                                   | 5                                              | 699/914     | -        |
|                                                 |                                                 |      | Aug   | CL             | 4                                                    | 476/606                                        | -           |          |
|                                                 | <sup>1</sup> Same key used for GN, LHP and FPN. |      |       |                |                                                      | <sup>6</sup> Same key used for GN, LL and LHP. |             |          |
| <sup>2</sup> Same key used for GN, LHP and FPN. |                                                 |      |       |                | <sup>7</sup> Same key used for GN and LL.            |                                                |             |          |
| <sup>3</sup> Same key used for GN, LL and LHP.  |                                                 |      |       |                | <sup>8</sup> Same key used for GN, LL, LHP and FPN.  |                                                |             |          |
| <sup>4</sup> Same key used for GN and FPN.      |                                                 |      |       |                | <sup>9</sup> Same key used for GN and LL.            |                                                |             |          |
| <sup>5</sup> Same key used for GN, LL and LHP.  |                                                 |      |       |                | <sup>10</sup> Same key used for GN, LL, LHP and FPN. |                                                |             |          |

CANADA (M) - SCIENTIFIC OBSERVER PROGRAM - CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| 1982    |           |      |       |                |                |           |             |          |
| COD     | 2J        | OTB  | Feb   | CL             | 1              | 310       | -           | -        |
|         |           |      | Mar   | CL             | 2              | 592       | -           | -        |
|         |           |      | Apr   | CL             | 2              | 635       | -           | -        |
|         |           |      | Jul   | CL             | 1              | 259       | -           | -        |
|         | 3L        | OTB  | Jun   | CL             | 1              | 357       | -           | -        |
|         |           |      | Dec   | CL             | 1              | 373       | -           | -        |
|         | 30        | OTB  | May   | CL             | 1              | 201       | -           | -        |
|         | 3Ps       | LL   | Aug   | CL             | 1              | 364       | -           | -        |
|         | 4R        | OTB  | Feb   | CL             | 2              | 646       | -           | -        |
|         |           |      | Apr   | CL             | 3              | 729       | -           | -        |
|         |           |      | May   | CL             | 8              | 1600      | -           | -        |
|         |           | OTM  | Apr   | CL             | 2              | 400       | -           | -        |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| REB     | 4S        | OTB  | Feb   | CL             | 1              | 305       | -           | -        |
|         |           |      | May   | CL             | 1              | 214       | -           | 150      |
|         |           |      | Jun   | CL             | 9              | 953       | -           | -        |
|         |           |      | Jul   | CL             | 8              | 640       | -           | 41       |
|         |           |      | Aug   | CL             | 1              | 102       | -           | -        |
|         |           |      | Sep   | CL             | 3              | 609       | -           | -        |
|         |           |      | Oct   | CL             | 3              | 639       | -           | -        |
|         |           | OTM  | May   | CL             | 2              | 400       | -           | -        |
|         |           |      | LL    | Sep            | CL             | 1         | 216         | -        |
|         | 4T        | OTB  | May   | CL             | -              | 27        | -           | 27       |
|         | 2HJ       | OTB  | Sep   | CL             | 1              | 104/97    | -           | -        |
|         | 2J        | OTB  | Jul   | CL             | 3              | 176/431   | -           | -        |
|         |           |      | Sep   | CL             | 4              | 399/391   | -           | -        |
|         | 3L        | OTB  | Sep   | CL             | 1              | 90/111    | -           | -        |
|         |           |      | Dec   | CL             | 1              | 134/67    | -           | -        |
|         | 4R        | OTB  | Apr   | CL             | 1              | 102/98    | -           | 12/5     |
|         |           |      | Jun   | CL             | 11             | 1438/1220 | -           | -        |
|         |           |      | Jul   | CL             | 8              | 1034/978  | -           | 103/108  |
|         | 4S        | OTB  | May   | CL             | 3              | 575/718   | -           | -        |
|         |           |      | Jun   | CL             | 13             | 1407/1006 | -           | -        |
|         |           |      | Jul   | CL             | 15             | 1546/1453 | -           | 69/80    |
|         |           |      | Aug   | CL             | 13             | 1562/1452 | -           | -        |
|         |           |      | Sep   | CL             | 1              | 246/376   | -           | -        |
|         |           |      | Oct   | CL             | 3              | 761/1217  | -           | -        |
|         |           |      | Nov   | CL             | 2              | 234/478   | -           | -        |
|         |           | OTM  | Jul   | CL             | 1              | 95/118    | -           | -        |
|         |           |      | Sep   | CL             | 1              | 84/116    | -           | -        |
|         | 4T        | OTB  | May   | CL             | 1              | 115/85    | -           | 8/4      |
|         |           |      | Jun   | CL             | 5              | 391/570   | -           | -        |
| 4RS     | OTB       | Jun  | CL    | 2              | 180/227        | -         | 2/6         |          |
|         |           | Sep  | CL    | 1              | 204/324        | -         | -           |          |
| 4ST     | OTB       | Aug  | CL    | 1              | 700/729        | -         | -           |          |
| PLA     | 3L        | OTB  | Jun   | CL             | 1              | 115/85    | -           | -        |
|         |           |      | Dec   | CL             | 1              | 44/150    | -           | -        |
| 4S      | OTB       | Oct  | CL    | 1              | 18/183         | -         | -           |          |
| YEL     | 3L        | OTB  | Jun   | CL             | 1              | 92/108    | -           | -        |
|         |           |      | Dec   | CL             | 2              | 204/196   | -           | -        |

CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |                  |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|------------------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged         |
| 1983    |           |      |       |                |                |           |             |                  |
| COD     | 2J        | OTB  | Jan   | CL             | 12             | 3365      | -           | 370              |
|         |           |      | Feb   | CL             | 25             | 6701      |             |                  |
|         |           |      | Mar   | CL             | 8              | 2127      |             |                  |
|         |           |      | Apr   | CL             | 3              | 960       | -           | 403              |
|         |           |      | Jun   | CL             | 5              | 1884      |             |                  |
|         |           |      | Jul   | CL             | 1              | 367       |             |                  |
|         |           | GN   | Aug   | CL             | 15             | 3687      | -           | 456 <sup>1</sup> |
|         |           |      | LL    | Aug            | CL             | 1         | 153         | -                |
|         |           | Oct  |       | CL             | 1              | 343       | -           | -                |
|         |           | LHP  | Aug   | CL             | 12             | 1841      | -           | 456 <sup>1</sup> |

CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |                   |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|-------------------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged          |
|         |           | FPN  | Jul   | CL             | 2              | 478       | -           | 456 <sup>1</sup>  |
|         |           |      | Aug   | CL             | 9              | 3044      | -           |                   |
|         | 3K        | OTB  | Jan   | CL             | 6              | 1983      | -           | 368               |
|         |           |      | Feb   | CL             | 1              | 429       | -           |                   |
|         |           |      | Mar   | CL             | 12             | 4014      | -           |                   |
|         |           |      | Apr   | CL             | 8              | 2392      | -           | 409               |
|         |           |      | May   | CL             | 12             | 3847      | -           |                   |
|         |           |      | Oct   | CL             | 6              | 2221      | -           | 351               |
|         |           |      | Nov   | CL             | 3              | 1016      | -           |                   |
|         |           | GN   | Jul   | CL             | 2              | 4716      | -           | 757 <sup>2</sup>  |
|         |           |      | Sep   | CL             | 2              | 596       | -           | 426 <sup>3</sup>  |
|         |           | LL   | Aug   | CL             | 3              | 499       | -           | 757 <sup>2</sup>  |
|         |           | LHP  | Jul   | CL             | 6              | 1472      | -           | 757 <sup>2</sup>  |
|         |           |      | Aug   | CL             | 27             | 2394      | -           |                   |
|         |           |      | Sep   | CL             | 24             | 4077      | -           | 426 <sup>3</sup>  |
|         |           | FPN  | Jul   | CL             | 43             | 17367     | -           | 757 <sup>2</sup>  |
|         | 3L        | OTB  | Jan   | CL             | 12             | 3879      | -           | 330               |
|         |           |      | Feb   | CL             | 16             | 5218      | -           |                   |
|         |           |      | Mar   | CL             | 10             | 3553      | -           |                   |
|         |           |      | Apr   | CL             | 7              | 1751      | -           |                   |
|         |           |      | May   | CL             | 11             | 4207      | -           | 639               |
|         |           |      | Jun   | CL             | 5              | 1251      | -           |                   |
|         |           |      | Jul   | CL             | 3              | 729       | -           |                   |
|         |           |      | Aug   | CL             | 3              | 938       | -           | 474               |
|         |           |      | Sep   | CL             | 15             | 4684      | -           |                   |
|         |           |      | Oct   | CL             | 8              | 2467      | -           |                   |
|         |           |      | Nov   | CL             | 19             | 5277      | -           | 420               |
|         |           |      | Dec   | CL             | 7              | 1901      | -           |                   |
|         |           | GN   | May   | CL             | 11             | 2672      | -           | 689 <sup>4</sup>  |
|         |           |      | Jun   | CL             | 12             | 3184      | -           | 1382 <sup>5</sup> |
|         |           |      | Jul   | CL             | 10             | 2191      | -           |                   |
|         |           |      | Sep   | CL             | 2              | 332       | -           | 426 <sup>6</sup>  |
|         |           | LL   | Aug   | CL             | 21             | 3698      | -           | 1382 <sup>5</sup> |
|         |           |      | Sep   | CL             | 11             | 2038      | -           | 426 <sup>6</sup>  |
|         |           | LHP  | Jun   | CL             | 10             | 3252      | -           | 1382 <sup>5</sup> |
|         |           |      | Jul   | CL             | 4              | 1343      | -           |                   |
|         |           |      | Aug   | CL             | 10             | 2264      | -           |                   |
|         |           |      | Sep   | CL             | 11             | 1874      | -           | 426 <sup>6</sup>  |
|         |           | FPN  | May   | CL             | 17             | 6068      | -           | 689 <sup>4</sup>  |
|         |           |      | Jun   | CL             | 53             | 16052     | -           | 1382 <sup>5</sup> |
|         |           |      | Jul   | CL             | 40             | 11711     | -           |                   |
|         | 3N        | OTB  | Aug   | CL             | 2              | 493       | -           | 263               |
|         |           |      | Sep   | CL             | 1              | 228       | -           |                   |
|         |           |      | Oct   | CL             | 4              | 974       | -           | 204               |
|         | 3O        | OTB  | Jan   | CL             | 5              | 1325      | -           | 436               |
|         |           |      | Feb   | CL             | 2              | 260       | -           |                   |
|         |           |      | May   | CL             | 2              | 417       | -           | 112               |
|         |           |      | Oct   | CL             | 11             | 3022      | -           | 383               |
|         |           |      | Nov   | CL             | 3              | 907       | -           |                   |
|         | 3Ps       | OTB  | Jan   | CL             | 2              | 415       | -           | 184               |
|         |           |      | Mar   | CL             | 1              | 246       | -           |                   |
|         |           |      | Sep   | CL             | 4              | 1252      | -           | 232               |
|         |           |      | Oct   | CL             | 1              | 313       | -           | 75                |
|         |           | GN   | May   | CL             | 14             | 3747      | -           | 1452 <sup>7</sup> |
|         |           |      | Jun   | CL             | 15             | 4268      | -           | 775 <sup>8</sup>  |
|         |           |      | Jul   | CL             | 3              | 1098      | -           |                   |

## CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |                     |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|---------------------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged            |
| REG     | 2J        | LL   | Jan   | CL             | 12             | 4465      | -           | 729                 |
|         |           |      | Feb   | CL             | 14             | 5526      |             |                     |
|         |           |      | Mar   | CL             | 16             | 6260      |             |                     |
|         |           |      | Apr   | CL             | 2              | 1026      |             |                     |
|         |           |      | May   | CL             | 18             | 6755      |             |                     |
|         |           |      | Jun   | CL             | 12             | 4412      |             |                     |
|         |           |      | Jul   | CL             | 3              | 889       |             |                     |
|         |           |      | Aug   | CL             | 11             | 4247      |             |                     |
|         |           |      | Sep   | CL             | 25             | 9031      |             |                     |
|         |           |      | Oct   | CL             | 13             | 4048      |             |                     |
|         |           |      | Nov   | CL             | 11             | 4844      |             |                     |
|         |           | LHP  | May   | CL             | 1              | 611       | -           | 1452 <sup>7</sup>   |
|         |           |      | Jun   | CL             | 1              | 241       | -           | 775 <sup>8</sup>    |
|         |           |      | Aug   | CL             | 8              | 1748      | -           |                     |
|         |           | FPN  | May   | CL             | 4              | 972       | -           | 1452 <sup>7</sup>   |
|         |           |      | Jun   | CL             | 12             | 4504      | -           | 775 <sup>8</sup>    |
|         |           |      | Jul   | CL             | 1              | 323       | -           |                     |
|         | 3K        | OTB  | Feb   | CL             | 1              | 15/82     | -           | -                   |
|         |           |      | Jun   | CL             | 1              | 108/126   | -           | -                   |
| REB     | 2J        | OTB  | Feb   | CL             | 3              | 322/642   | -           | 71/77               |
|         |           |      | Jan   | CL             | 1              | 184/325   | -           | 143/229             |
|         |           |      | Feb   | CL             | 3              | 533/912   | -           |                     |
|         |           |      | Apr   | CL             | 3              | 358/405   | -           | 288/395             |
|         |           |      | May   | CL             | 7              | 1155/1244 | -           |                     |
|         |           |      | Sep   | CL             | 1              | 185/372   | -           | 53/69               |
|         |           |      | Oct   | CL             | 3              | 429/471   | -           | 148/172             |
|         |           | 3L   | Jan   | CL             | 4              | 845/951   | -           | 186/273             |
|         |           |      | Feb   | CL             | 1              | 32/354    | -           |                     |
|         |           |      | Apr   | CL             | 3              | 796/847   | -           | 238/296             |
|         |           |      | May   | CL             | 2              | 252/330   | -           |                     |
|         |           |      | Sep   | CL             | 2              | 297/481   | -           | 144/201             |
|         |           |      | Oct   | CL             | 1              | 373/301   | -           | 77/94               |
|         |           | 3Pn  | Sep   | CL             | 13             | 2028/1803 | -           | 127/78              |
|         |           |      | Nov   | CL             | 5              | 841/750   | -           | 55/53               |
|         |           | 3Ps  | Sep   | CL             | 6              | 1173/1121 | -           | 252/358             |
|         |           |      | Oct   | CL             | 4              | 1239/386  | -           | 212/237             |
|         |           |      | Dec   | CL             | 2              | 346/336   | -           |                     |
| PLA     | 3K        | OTB  | Oct   | CL             | 2              | 197/521   | -           | 66/122              |
|         |           |      | Aug   | CL             | 1              | 31/198    | -           | 36/129 <sup>9</sup> |
|         |           |      | Aug   | CL             | 2              | 18/175    | -           | 36/129 <sup>9</sup> |
|         |           | 3L   | Jan   | CL             | 4              | 769/1186  | -           | 153/250             |
|         |           |      | Feb   | CL             | 3              | 246/980   | -           |                     |
|         |           |      | Mar   | CL             | 2              | 90/563    | -           |                     |
|         |           |      | Apr   | CL             | 8              | 1197/1821 | -           | 292/463             |
|         |           |      | May   | CL             | 15             | 2939/3286 | -           |                     |
|         |           |      | Jun   | CL             | 8              | 1132/1721 | -           |                     |
|         |           |      | Jul   | CL             | 8              | 920/2043  | -           | 291/477             |
|         |           |      | Aug   | CL             | 9              | 936/2161  | -           |                     |
|         |           |      | Sep   | CL             | 7              | 653/1863  | -           |                     |
|         |           |      | Oct   | CL             | 6              | 570/1337  | -           | 285/472             |
|         |           |      | Nov   | CL             | 6              | 562/1585  | -           |                     |
|         |           |      | Dec   | CL             | 4              | 565/813   | -           |                     |
|         |           | GN   | May   | CL             | 8              | 668/1855  | -           | 198/385             |
|         |           |      | Jun   | CL             | 9              | 483/2590  | -           | 341/651             |
|         |           |      | Jul   | CL             | 4              | 161/1187  | -           |                     |
|         |           |      | Aug   | CL             | 4              | 146/1099  | -           |                     |
|         |           |      | Sep   | CL             | 5              | 174/1362  | -           | 72/242              |

CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| WIT     | 3N        | OTB  | Feb   | CL             | 1              | 195/205   | -           | 91/137   |
|         |           |      | Mar   | CL             | 1              | 193/277   |             |          |
|         |           |      | Apr   | CL             | 1              | 150/293   |             |          |
|         |           |      | May   | CL             | 1              | 114/100   | -           | 142/235  |
|         |           |      | Jun   | CL             | 2              | 286/481   |             |          |
|         |           |      | Jul   | CL             | 1              | 144/264   |             |          |
|         |           |      | Aug   | CL             | 7              | 818/1207  | -           | 226/390  |
|         |           |      | Sep   | CL             | 1              | 128/137   |             |          |
|         |           |      | Oct   | CL             | 5              | 547/947   |             |          |
|         |           |      | Nov   | CL             | 7              | 1008/1285 | -           | 312/534  |
|         |           |      | Dec   | CL             | 8              | 966/1328  |             |          |
|         | 30        | OTB  | Jan   | CL             | 6              | 947/1419  | -           | 270/451  |
|         |           |      | Feb   | CL             | 1              | 116/367   |             |          |
|         |           |      | Mar   | CL             | 3              | 487/816   |             |          |
|         |           |      | May   | CL             | 2              | 178/358   | -           | 56/110   |
|         |           |      | Jun   | CL             | 1              | 129/243   |             |          |
|         |           |      | Oct   | CL             | 1              | 90/344    | -           | 165/297  |
|         |           |      | Nov   | CL             | 3              | 400/781   |             |          |
|         | 3Ps       | OTB  | Feb   | CL             | 1              | 165/359   | -           | 66/114   |
|         |           |      | Mar   | CL             | 2              | 222/595   |             |          |
|         |           |      | Aug   | CL             | 2              | 161/600   | -           | 58/103   |
|         | 3K        | OTB  | Jan   | CL             | 2              | 440/159   | -           | 130/157  |
|         |           |      | Feb   | CL             | 2              | 458/314   |             |          |
|         |           |      | May   | CL             | 3              | 630/318   | -           | 137/160  |
|         |           |      | Jun   | CL             | 1              | 145/126   |             |          |
|         |           |      | Jul   | CL             | 1              | 111/155   | -           | 38/50    |
|         |           |      | Nov   | CL             | 1              | 301/297   | -           | 108/145  |
|         |           | GN   | Sep   | CL             | 2              | 542/311   | -           | -        |
|         | 3L        | GN   | Jun   | CL             | 3              | 138/275   | -           | 216/344  |
|         |           |      | Jul   | CL             | 6              | 562/1151  |             |          |
|         |           |      | Aug   | CL             | 2              | 182/328   |             |          |
|         |           |      | Sep   | CL             | 5              | 409/519   | -           | -        |
|         | 3N        | OTB  | Mar   | CL             | 1              | 145/223   | -           | 43/54    |
|         | 30        | OTB  | Jan   | CL             | 4              | 306/1068  | -           | 217/278  |
|         |           |      | Feb   | CL             | 1              | 141/196   |             |          |
|         |           |      | Mar   | CL             | 3              | 401/643   |             |          |
|         |           |      | Apr   | CL             | 1              | 139/172   | -           | 36/50    |
| YEL     | 3L        | OTB  | May   | CL             | 2              | 613/392   | -           | 98/129   |
|         |           |      | Jun   | CL             | 3              | 600/526   |             |          |
|         |           |      | Jul   | CL             | 2              | 352/481   |             |          |
|         |           |      | Aug   | CL             | 1              | 302/249   | -           | 147/195  |
|         |           |      | Sep   | CL             | 4              | 848/846   |             |          |
|         |           |      | Oct   | CL             | 2              | 380/456   |             |          |
|         |           |      | Dec   | CL             | 1              | 207/169   | -           | 79/96    |
|         | 3N        | OTB  | May   | CL             | 5              | 935/1158  | -           | 115/149  |
|         |           |      | Jun   | CL             | 1              | 112/283   |             |          |
|         |           |      | Jul   | CL             | 1              | 120/316   |             |          |
|         |           |      | Aug   | CL             | 6              | 1273/1479 | -           | 196/253  |
|         |           |      | Sep   | CL             | 2              | 485/351   |             |          |
|         |           |      | Oct   | CL             | 4              | 572/917   |             |          |
|         |           |      | Nov   | CL             | 2              | 391/465   | -           | 187/252  |
|         |           |      | Dec   | CL             | 5              | 612/1100  |             |          |
|         | 30        | OTB  | May   | CL             | 2              | 389/299   | -           | 62/91    |
|         |           |      | Jun   | CL             | 1              | 134/142   |             |          |
|         |           |      | Oct   | CL             | 1              | 113/176   |             |          |
|         |           |      | Nov   | CL             | 1              | 186/173   | -           | 53/76    |
|         | 3Ps       | OTB  | Sep   | CL             | 1              | 53/237    | -           | 15/30    |
| GHL     | 2H        | OTB  | Aug   | CL             | 2              | 217/317   | -           | 238/346  |
|         |           |      | Sep   | CL             | 4              | 386/449   |             |          |
|         | 2J        | OTB  | Aug   | CL             | 4              | 401/583   | -           | 228/327  |
|         |           |      | Oct   | CL             | 4              | 488/847   | -           | 150/253  |

CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |             | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-------------|-------------|----------|
|         |           |      |       |                | No.            | No. meas.   | No.         | No. aged |
|         |           | LL   | Jul   | CL             | 1              | 36/146      | -           | 35/135   |
|         | 3K        | OTB  | May   | CL             | 2              | 345/528 }   | -           | 243/311  |
|         |           |      | Jun   | CL             | 3              | 621/722 }   | -           | 63/78    |
|         |           |      | Jul   | CL             | 1              | 202/222     | -           |          |
|         |           | GN   | Jul   | CL             | 11             | 1561/2220 } | -           | 210/260  |
|         |           |      | Aug   | CL             | 3              | 287/410 }   | -           | 220/261  |
|         |           |      | Sep   | CL             | 7              | 1288/1427   | -           |          |
|         | 3L        | GN   | Jul   | CL             | 6              | 1100/1134 } | -           | 232/254  |
|         |           |      | Aug   | CL             | 4              | 463/548 }   | -           | 197/236  |
|         |           |      | Sep   | CL             | 7              | 1035/1121   | -           |          |
|         | 3N        | OTB  | Oct   | CL             | 1              | 91/185      | -           | 47/59    |

<sup>1</sup> Same key for GN, LL, LHP and FPN.

<sup>2</sup> Same key for GN, LL, LHP and FPN.

<sup>3</sup> Same key for GN and LHP.

<sup>4</sup> Same key for GN and FPN.

<sup>5</sup> Same key for GN, LL, LHP and FPN.

<sup>6</sup> Same key for GN, LL and LHP.

<sup>7</sup> Same key for GN, LL, LHP and FPN.

<sup>8</sup> Same key for GN, LL, LHP and FPN.

<sup>9</sup> Same key for GN and LL.

CANADA (M) - SCIENTIFIC OBSERVER PROGRAM - CANADA (N)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| 1983    |           |      |       |                |                |           |             |          |
| COD     | 2J        | OTB  | Jan   | CL             | 3              | 994       | -           | -        |
|         |           |      | Feb   | CL             | 5              | 1367      |             |          |
|         |           |      | Mar   | CL             | 1              | 300       |             |          |
|         | 2J-3K     | OTB  | Mar   | CL             | 2              | 648       | -           | -        |
|         | 3K        | OTB  | Feb   | CL             | 1              | 234       | -           | -        |
|         |           |      | May   | CL             | 1              | 330       | -           | -        |
|         |           |      | Jul   | CL             | 1              | 281       | -           | -        |
|         | 3KL       | OTB  | Feb   | CL             | 1              | 347       | -           | -        |
|         |           |      | Apr   | CL             | 2              | 761       | -           | -        |
|         | 3L        | OTB  | Jan   | CL             | 1              | 215       | -           | -        |
|         |           |      | Apr   | CL             | 1              | 309       | -           | -        |
|         |           |      | Oct   | CL             | 1              | 172       | -           | -        |
|         |           |      | Nov   | CL             | 2              | 662       |             |          |
|         |           |      | Dec   | CL             | 3              | 909       |             |          |
|         | 30        | OTB  | Nov   | CL             | 2              | 618       | -           | -        |
|         | 3Ps       | LL   | May   | CL             | 1              | 233       | -           | -        |
|         |           |      | Jun   | CL             | 1              | 446       | -           | -        |
| REB     | 2J        | OTB  | Feb   | CL             | 1              | 77/124    | -           | -        |
|         |           |      | Jul   | CL             | 1              | 73/130    | -           | -        |
|         | 2J-3K     | OTB  | Mar   | CL             | 1              | 54/146    | -           | -        |
|         | 3K        | OTB  | Feb   | CL             | 2              | 141/278   | -           | -        |
|         | 3L        | OTB  | Sep   | CL             | 3              | 238/362   | -           | -        |
|         |           |      | Oct   | CL             | 3              | 244/434   | -           | -        |
|         |           |      | Nov   | CL             | 2              | 221/282   |             |          |
|         | 3Ps       | OTB  | Jun   | CL             | 1              | 46/138    | -           | -        |
| PLA     | 2J        | OTB  | Jan   | CL             | 1              | 14/191    | -           | -        |
|         | 3K        | OTB  | May   | CL             | 1              | 8/128     | -           | -        |
|         |           | Jun  | CL    | 1              | 12/159         |           |             |          |

CANADA (M)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| WIT     | 3L        | OTB  | Apr   | CL             | 1              | 50/132    | -           | -        |
|         |           |      | May   | CL             | 1              | 27/179    | -           | -        |
|         |           |      | Sep   | CL             | 1              | 55/151    | -           | -        |
|         |           |      | Dec.  | CL             | 1              | 47/176    | -           | -        |
|         | 3N        | OTB  | Oct   | CL             | 1              | 94/107    | -           | -        |
|         | 3K        | OTB  | Jul   | CL             | 1              | 78/83     | -           | -        |
|         | 3L        | OTB  | Oct   | CL             | 1              | 116/46    | -           | -        |
|         | 3L        | OTB  | Dec   | CL             | 2              | 191/186   | -           | -        |
|         |           |      |       |                |                |           |             |          |
|         |           |      |       |                |                |           |             |          |

Cuba (National)

| Species | NAFO Div. | Gear | Month  | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|--------|----------------|----------------|-----------|-------------|----------|
|         |           |      |        |                | No.            | No. meas. | No.         | No. aged |
| 1980    |           |      |        |                |                |           |             |          |
| COD     | 3M        | OTB  | Apr    | CC             | 1              | 253       | -           | -        |
| RED     | 3M        | OTB  | Apr    | CC             | 12             | 2355/2677 | -           | -        |
|         |           |      | Apr    | CC             | 1              | 221       | -           | -        |
|         |           |      | Apr    | CC             | 30             | 3748/4649 | -           | -        |
|         |           |      | May    | CC             | 10             | 1333/1584 | -           | -        |
|         | 3N        | OTB  | Jun    | CC             | 10             | 2596      | -           | -        |
|         |           |      | Jun    | CC             | 1              | 223/227   | -           | -        |
|         | 3O        | OTB  | Mar    | CC             | 10             | 1679/1682 | -           | -        |
|         |           |      | May    | CC             | 13             | 3517      | -           | -        |
|         |           |      | Jun    | CC             | 9              | 2491      | -           | -        |
|         |           |      | Jun    | CC             | 13             | 2339/2282 | -           | -        |
|         | OTM       | Apr  | CC     | 1              | 294            | -         | -           |          |
| HKS     | 4W        | OTB  | Apr    | CC             | 7              | 1148/1234 | -           | -        |
|         |           |      | Jun    | CC             | 3              | 472/610   | -           | -        |
|         |           |      | Jul    | CC             | 20             | 2781/3384 | -           | -        |
|         |           |      | Aug    | CC             | 17             | 2278/2562 | -           | -        |
|         | 6A        | OTB  | Mar    | CC             | 8              | 913/931   | -           | -        |
| MAC     | 6A        | OTB  | Mar    | CC             | 4              | 533/559   | -           | -        |
| SQI     | 4W        | OTB  | Jun 29 | CC             | 3              | 381/456   | -           | -        |
|         |           |      | Jul 6  | CC             | 1              | 91/168    | -           | -        |
|         |           |      | Jun 29 | CC             | 2              | 299/251   | -           | -        |
|         |           |      | Jul 6  | CC             | 2              | 225/172   | -           | -        |
|         |           |      | Jul 13 | CC             | 1              | 116/149   | -           | -        |
|         |           |      | Aug 3  | CC             | 1              | 101/129   | -           | -        |
|         |           |      | Aug 10 | CC             | 4              | 503/460   | -           | -        |
|         |           |      | Aug 17 | CC             | 1              | 117/102   | -           | -        |
|         |           |      | Aug 24 | CC             | 1              | 83/55     | -           | -        |

## Denmark (G) (National)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |     |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|-----|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |     |
| 1979    |           |      |       |                |                |           |             |          |     |
| COD     | 1B        | OTB  | Jul   | CC             | 1              | 158       | -           | 158      |     |
|         |           | LHP  | Jun   | CL             | 1              | 164       | -           | 64       |     |
|         |           | FPN  | May   | CL             | 2              | 1515      | }           | -        | 459 |
|         |           |      | Jun   | CL             | 1              | 448       |             | -        |     |
|         |           |      | Jul   | CL             | 1              | 179       |             | -        | 173 |
|         | 1C        | OTB  | Jan   | CL             | 1              | 2316      | }           | -        | 792 |
|         |           |      | Mar   | CL             | 1              | 1181      |             | -        |     |
|         |           |      | Apr   | CL             | 1              | 911       |             | -        | 320 |
|         |           | GN   | May   | CL             | -              | 286       | -           | 286      |     |
|         |           | FPN  | Jun   | CL             | -              | 217       | -           | 217      |     |
|         |           |      | Jul   | CC             | 2              | 1930      | -           | 673      |     |
|         | 1D        | OTB  | Jan   | CL             | 1              | 1041      | }           | -        | 408 |
|         |           |      | Apr   | CL             | 1              | 927       |             | -        | 847 |
|         |           |      | May   | CL             | 1              | 770       |             | -        |     |
|         |           | LL   | Sep   | CC             | 1              | 785       | -           | 333      |     |
|         |           | LHP  | May   | CL             | 1              | 90        | -           | 90       |     |
|         |           | FPN  | Jun   | CC             | 2              | 1088      | -           | 399      |     |
|         |           |      | Jul   | CL             | 2              | 1304      | -           | 500      |     |
|         | 1E        | LHP  | Aug   | CL             | -              | 229       | -           | 229      |     |
|         |           | FPN  | Jun   | CL             | -              | 126       | -           | 126      |     |
|         | 1F        | OTB  | Nov   | CL             | 1              | 1744      | -           | 314      |     |
|         | 1C        | OTB  | Feb   | RC             | -              | 22        | -           | 22       |     |
|         |           | GN   | Feb   | RC             | -              | 17        | -           | 17       |     |
|         | 1D        | OTB  | Jan   | RC             | -              | 197       | -           | 197      |     |
|         |           | GN   | Sep   | RC             | -              | 16        | -           | 16       |     |
|         |           |      | Oct   | RC             | -              | 107       | -           | 107      |     |
|         |           | LHP  | Jun   | RC             | -              | 91        | -           | 91       |     |
|         |           |      | Sep   | RC             | -              | 75        | -           | 75       |     |
|         |           | FPN  | Nov   | RC             | -              | 110       | -           | 110      |     |

## France (M) (National)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |   |   |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|---|---|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |   |   |
| 1980    |           |      |       |                |                |           |             |          |   |   |
| COD     | 3Pn       | OTB  | Feb   | CC             | 1              | 196       | -           | -        |   |   |
|         |           |      | 4R    | Jan            | CC             | 27        | 5712        | }        | - | - |
|         | Feb       | CC   |       | 8              | 1537           | -         | -           |          |   |   |
|         | Mar       | CC   |       | 13             | 2934           | -         | -           |          |   |   |
|         | Apr       | CC   |       | 4              | 872            | -         | -           |          |   |   |
|         | 4Vn       | OTB  | Jan   | CC             | 3              | 600       | }           | -        | - |   |
|         |           |      | Feb   | CC             | 21             | 4326      |             | -        | - |   |
|         |           |      | Mar   | CC             | 10             | 2042      |             | -        | - |   |
|         |           |      | Apr   | CC             | 6              | 1308      |             | -        | - |   |
|         | RED       | 4R   | OTB   | Jan            | CC             | 1         | 204         | }        | - | - |
|         |           |      |       | Mar            | CC             | 1         | 254         |          | - | - |

# France (SP) (National)

| Species     | NAFO Div. | Gear | Month  | Type of sample | Length samples |           | Age samples |          |
|-------------|-----------|------|--------|----------------|----------------|-----------|-------------|----------|
|             |           |      |        |                | No.            | No. meas. | No.         | No. aged |
| <u>1979</u> |           |      |        |                |                |           |             |          |
| COD         | 4R        | OTB  | Apr    | CL             | 1              | 205       | -           | -        |
|             | 4Vn       | OTB  | May    | CL             | 1              | 153       | -           | -        |
| RED         | 4R        | OTB  | Jul    | CL             | 1              | 128/115   | -           | -        |
| PLA         | 3N        | OTB  | Jun    | CL             | 1              | 50/80     | -           | -        |
| YEL         | 3N        | OTB  | Jun    | CL             | 2              | 278/192   | -           | -        |
| <u>1980</u> |           |      |        |                |                |           |             |          |
| COD         | 4Vn       | OTB  | Apr    | CL             | 2              | 412       | -           | -        |
| PLA         | 4Vn       | OTB  | Apr    | CL             | 1              | 22/134    | -           | -        |
| <u>1981</u> |           |      |        |                |                |           |             |          |
| COD         | 3Pn       | OTB  | Feb    | CL             | 1              | 185       | -           | -        |
|             | 4R        | OTB  | Jan    | CL             | 1              | 232       | -           | -        |
|             |           |      | Feb    | CL             | 1              | 243       | -           | -        |
|             | 4Vn       | OTB  | Mar    | CL             | 2              | 456       | -           | -        |
|             |           |      | Apr    | CL             | 2              | 334       | -           | -        |
|             |           |      | May    | CL             | 1              | 193       | -           | -        |
| PLA         | 3N        | OTB  | Jun    | CL             | 2              | 128/71    | -           | -        |
| YEL         | 3N        | OTB  | Jun    | CL             | 2              | 187/209   | -           | -        |
|             | 3Ps       | OTB  | Sep    | CL             | 1              | 54/65     | -           | -        |
| SQI         | 3Ps       | LHP  | Jul 5  | CL             | 1              | 100/100   | -           | -        |
|             |           |      | Jul 19 | CL             | 1              | 100/100   | -           | -        |
|             |           |      | Jul 26 | CL             | 1              | 99/99     | -           | -        |
|             |           |      | Aug 2  | CL             | 1              | 99/103    | -           | -        |
|             |           |      | Aug 9  | CL             | 1              | 100/100   | -           | -        |
| <u>1982</u> |           |      |        |                |                |           |             |          |
| COD         | 3Ps       | OTB  | Jan    | CL             | 1              | 200       | -           | -        |
|             |           |      | May    | CL             | 4              | 837       | -           | -        |
|             |           |      | Jun    | CL             | 3              | 624       | -           | -        |
|             |           |      | Oct    | CL             | 1              | 208       | -           | -        |
|             |           |      | Nov    | CL             | 2              | 414       | -           | -        |
|             |           |      | Dec    | CL             | 2              | 443       | -           | -        |
|             |           | LHP  | May    | CL             | 3              | 606       | -           | -        |
|             |           |      | Jun    | CL             | 3              | 585       | -           | -        |
|             |           |      | Jul    | CL             | 3              | 680       | -           | -        |
|             |           |      | Sep    | CL             | 1              | 207       | -           | -        |
|             | 4R        | OTB  | Apr    | CL             | 2              | 488       | -           | -        |
|             |           |      | May    | CL             | 1              | 152       | -           | -        |
|             | 4Vn       | OTB  | Feb    | CL             | 1              | 258       | -           | -        |
|             |           |      | Mar    | CL             | 2              | 478       | -           | -        |
|             |           |      | Jun    | CL             | 1              | 206       | -           | -        |
| PLA         | 3L        | OTB  | Jul    | CL             | 2              | 188/360   | -           | -        |
| SQI         | 3Ps       | LHP  | Jul 18 | CL             | 1              | 92/108    | -           | -        |

## FRANCE (SP)

| Species | NAFO<br>Div. | Gear | Month | Type of<br>sample | Length samples |           | Age samples |          |
|---------|--------------|------|-------|-------------------|----------------|-----------|-------------|----------|
|         |              |      |       |                   | No.            | No. meas. | No.         | No. aged |
| 1983    |              |      |       |                   |                |           |             |          |
| COD     | 3Ps          | OTB  | Jan   | CL                | 1              | 211       | -           | -        |
|         |              |      | Apr   | CL                | 2              | 403       | -           | -        |
|         |              |      | May   | CL                | 2              | 442       | -           | -        |
|         |              |      | Jun   | CL                | 1              | 209       | -           | -        |
|         |              |      | Jul   | CL                | 3              | 665       | -           | -        |
|         |              |      | Oct   | CL                | 1              | 218       | -           | -        |
|         |              |      | Nov   | CL                | 4              | 788       | -           | -        |
|         |              |      | Dec   | CL                | 2              | 421       | -           | -        |
|         |              | LL   | Jan   | CL                | 1              | 201       | -           | -        |
|         |              |      | LHP   | May               | CL             | 1         | 202         | -        |
|         |              | Jun  |       | CL                | 2              | 630       | -           | -        |
|         |              | Jul  |       | CL                | 3              | 449       | -           | -        |
|         |              | Aug  |       | CL                | 3              | 546       | -           | -        |
|         |              | Sep  |       | CL                | 1              | 277       | -           | -        |
|         | 4R           | OTB  | Feb   | CL                | 1              | 205       | -           | -        |
|         |              |      | Mar   | CL                | 2              | 447       | -           | -        |
|         |              |      | Apr   | CL                | 1              | 247       | -           | -        |
|         | 4Vn          | OTB  | Feb   | CL                | 1              | 202       | -           | -        |

## German Democratic Republic (National)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| 1983    |           |      |       |                |                |           |             |          |
| REB     | 2H        | OTB  | Oct   | CC             | 2              | 119/76    | 6           | 297/244  |
|         |           |      | Nov   | CC             | 3              | 175/175   |             |          |
|         |           |      | Dec   | CC             | 1              | 46/38     |             |          |
|         | 2J        | OTB  | Sep   | CC             | 1              | 211/90    | -           | -        |
|         | 3K        | OTB  | Sep   | CC             | 2              | 370/265   | -           | -        |
| Oct     |           |      | CC    | 1              | 50/50          | 1         | 49/48       |          |
| GHL     | 2H        | OTB  | Oct   | CC             | 2              | 49/49     | 14          | 316/349  |
|         |           |      | Nov   | CC             | 13             | 772/669   |             |          |
|         |           |      | Dec   | CC             | 9              | 302/286   |             |          |
|         | 3K        | OTB  | Oct   | CC             | 1              | 29/23     | 1           | 19/16    |
|         | RNG       | 2H   | OTB   | Oct            | CC             | 3         | 162/131     | 11       |
| Nov     |           |      |       | CC             | 9              | 1718/1397 |             |          |
| Dec     |           |      |       | CC             | 2              | 268/232   |             |          |
| 3K      |           | OTB  | Oct   | CC             | 1              | 57/29     | 1           | 56/28    |
| MAC     |           | 6A   | OTM   | Feb            | CC             | 1         | 157         | -        |
|         | Apr       |      |       | CC             | 1              | 268       | 1           | 63       |
|         | 6B        | OTM  | Mar   | CC             | 7              | 1312      | 2           | 114      |
|         |           |      | Apr   | CC             | 5              | 1445      | 1           | 44       |
|         | 6C        | OTM  | Mar   | CC             | 9              | 1847      | 4           | 194      |
|         |           |      | Apr   | CC             | 2              | 397       | 1           | 58       |

# Japan (National)

| Species | NAFO Div. | Gear   | Month  | Type of sample | Length samples |           | Age samples |          |   |
|---------|-----------|--------|--------|----------------|----------------|-----------|-------------|----------|---|
|         |           |        |        |                | No.            | No. meas. | No.         | No. aged |   |
| 1979    |           |        |        |                |                |           |             |          |   |
| RED     | 3M        | OTB    | Mar    | CC             | 3              | 304       | -           | -        |   |
|         |           |        | Apr    | CC             | 2              | 693       | -           | -        |   |
|         |           |        | May    | CC             | 3              | 1782      | -           | -        |   |
| HKS     | 4W        | OTB    | Jul    | CC             | 1              | 77/123    | -           | -        |   |
|         |           |        | Aug    | CC             | 1              | 206       | -           | -        |   |
|         | 4X        | OTB    | Jul    | CC             | 1              | 200       | -           | -        |   |
|         | 6A        | OTB    | Jan    | CC             | 1              | 147/53    | -           | -        |   |
|         |           |        | Feb    | CC             | 1              | 90/110    | -           | -        |   |
| BUT     | 5Zw       | OTB    | Jan    | CC             | 1              | 200       | -           | -        |   |
|         |           |        | Dec    | CC             | 2              | 200       | -           | -        |   |
|         | 6A        | OTB    | Feb    | CC             | 1              | 200       | -           | -        |   |
|         |           |        | Mar    | CC             | 1              | 88/112    | -           | -        |   |
| ARG     | 4Vs       | OTB    | Sep    | CC             | 2              | 209/183   | -           | -        |   |
|         | 4W        | OTB    | Jul    | CC             | 1              | 198       | -           | -        |   |
|         |           |        | Aug    | CC             | 1              | 39/161    | -           | -        |   |
|         |           |        | Oct    | CC             | 1              | 124/76    | -           | -        |   |
|         | 4X        | OTB    | Jul    | CC             | 2              | 408       | -           | -        |   |
|         |           |        | Aug    | CC             | 1              | 200       | -           | -        |   |
|         |           |        | Jul    | CC             | 3              | 253/347   | -           | -        |   |
|         |           |        | Sep    | CC             | 2              | 319/84    | -           | -        |   |
|         |           |        | Oct    | CC             | 2              | 268/132   | -           | -        |   |
|         | SQL       | 5Zw    | OTB    | Feb 25         | CC             | 1         | 127/73      | -        | - |
| Jan 14  |           |        |        | CC             | 1              | 200       | -           | -        |   |
| Jan 21  |           |        |        | CC             | 1              | 97        | -           | -        |   |
| Feb 25  |           |        |        | CC             | 2              | 397       | -           | -        |   |
| Mar 4   |           |        |        | CC             | 2              | 400       | -           | -        |   |
| Dec 2   |           |        |        | CC             | 1              | 100       | -           | -        |   |
| Dec 16  |           |        |        | CC             | 1              | 101       | -           | -        |   |
| 6A      |           |        |        | OTB            | Jan 7          | CC        | 1           | 100      | - |
|         |           | Jan 21 | CC     |                | 2              | 302       | -           | -        |   |
|         |           | Feb 11 | CC     |                | 1              | 198       | -           | -        |   |
|         |           | Feb 18 | CC     |                | 1              | 100       | -           | -        |   |
|         |           | Jan 14 | CC     |                | 2              | 265/135   | -           | -        |   |
|         |           | Jan 21 | CC     |                | 1              | 61/41     | -           | -        |   |
|         |           | Feb 11 | CC     |                | 1              | 91/109    | -           | -        |   |
|         |           | Feb 18 | CC     |                | 1              | 103/98    | -           | -        |   |
|         |           | Mar 4  | CC     |                | 1              | 27/75     | -           | -        |   |
|         |           | Mar 11 | CC     |                | 1              | 27/77     | -           | -        |   |
|         |           | Nov 11 | CC     |                | 1              | 200       | -           | -        |   |
|         |           | 6B     | OTB    |                | Mar 4          | CC        | 2           | 61/141   | - |
| Jul 15  |           |        |        | CC             | 1              | 202       | -           | -        |   |
| Aug 5   |           |        |        | CC             | 1              | 200       | -           | -        |   |
| Nov 11  |           |        |        | CC             | 1              | 100       | -           | -        |   |
| Nov 25  |           |        |        | CC             | 3              | 501       | -           | -        |   |
| Dec 23  |           |        |        | CC             | 1              | 100       | -           | -        |   |
| SQI     |           | 30     | OTB    | Jul 29         | CC             | 1         | 211         | -        | - |
|         |           |        |        | Jul 15         | CC             | 1         | 206/192     | -        | - |
|         | 4Vs       | OTB    | Aug 26 | CC             | 1              | 84/116    | -           | -        |   |
|         |           |        | Sep 2  | CC             | 1              | 114/87    | -           | -        |   |
|         |           |        | Sep 9  | CC             | 1              | 136/64    | -           | -        |   |
|         |           |        | Sep 16 | CC             | 2              | 235/167   | -           | -        |   |
|         |           |        | Sep 2  | CC             | 1              | 197       | -           | -        |   |
|         |           |        | Sep 30 | CC             | 2              | 168/232   | -           | -        |   |
|         |           |        | Oct 7  | CC             | 1              | 83/104    | -           | -        |   |
|         |           |        | Oct 14 | CC             | 1              | 144/56    | -           | -        |   |

JAPAN

| Species | NAFO Div. | Gear | Month  | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|--------|----------------|----------------|-----------|-------------|----------|
|         |           |      |        |                | No.            | No. meas. | No.         | No. aged |
|         | 4W        | OTB  | Jul 8  | CC             | 1              | 113/93    |             |          |
|         |           |      | Jul 29 | CC             | 1              | 87/113    |             |          |
|         |           |      | Aug 5  | CC             | 1              | 137/61    |             |          |
|         |           |      | Aug 12 | CC             | 1              | 73/126    |             |          |
|         |           |      | Sep 9  | CC             | 1              | 104/82    |             |          |
|         |           |      | Sep 23 | CC             | 2              | 181/219   |             |          |
|         |           |      | Jul 1  | CC             | 1              | 199       |             |          |
|         |           |      | Jul 15 | CC             | 1              | 199       |             |          |
|         |           |      | Jul 29 | CC             | 1              | 200       |             |          |
|         |           |      | Aug 5  | CC             | 1              | 204       |             |          |
|         |           |      | Aug 26 | CC             | 1              | 199       |             |          |
|         |           |      | Sep 23 | CC             | 3              | 401       |             |          |
|         |           |      | Oct 7  | CC             | 2              | 210/191   |             |          |
|         |           |      | Oct 14 | CC             | 1              | 127/71    |             |          |
|         |           |      | Oct 28 | CC             | 1              | 107/97    |             |          |
|         |           |      | Sep 30 | CC             | 1              | 200       |             |          |
|         |           |      | Oct 7  | CC             | 1              | 105       |             |          |
|         |           |      | Oct 14 | CC             | 1              | 99        |             |          |
|         | 4X        | OTB  | Jul 22 | CC             | 2              | 257/140   |             |          |
|         |           |      | Sep 23 | CC             | 1              | 133/67    |             |          |
|         |           |      | Nov 11 | CC             | 1              | 89/109    |             |          |
|         | 5Zw       | OTB  | Dec 16 | CC             | 1              | 99        |             |          |
|         | 6A        | OTB  | Jan 21 | CC             | 1              | 107/93    |             |          |
|         | 6B        | OTB  | Jun 17 | CC             | 1              | 202       |             |          |
|         |           |      | Jun 24 | CC             | 1              | 206       |             |          |
|         |           |      | Nov 4  | CC             | 1              | 100       |             |          |
|         |           |      | Nov 11 | CC             | 1              | 200       |             |          |
|         |           |      | Nov 18 | CC             | 1              | 99        |             |          |
|         |           |      | Nov 25 | CC             | 1              | 97        |             |          |
|         |           |      | Nov 25 | CC             | 1              | 81/119    |             |          |
|         |           |      | Dec 2  | CC             | 1              | 59/141    |             |          |

1980

|     |     |     |        |    |   |         |   |   |
|-----|-----|-----|--------|----|---|---------|---|---|
| HKS | 4X  | OTB | Oct    | CC | 1 | 66/134  | - | - |
| BUT | 5Zw | OTB | Jan    | CC | 2 | 197     | - | - |
|     |     |     | Feb    | CC | 1 | 100     | - | - |
| ARG | 4W  | OTB | Aug    | CC | 1 | 102     | - | - |
|     |     |     | Sep    | CC | 1 | 91/110  | - | - |
|     |     |     | Oct    | CC | 1 | 161     | - | - |
|     | 4X  | OTB | Aug    | CC | 3 | 595     | - | - |
|     |     |     | Aug    | CC | 5 | 303/700 | - | - |
|     |     |     | Sep    | CC | 4 | 373/423 | - | - |
|     |     |     | Oct    | CC | 2 | 361     | - | - |
|     |     |     | Oct    | CC | 2 | 153/251 | - | - |
|     |     |     | Nov    | CC | 3 | 277/318 | - | - |
| SQL | 5Ze | OTB | Feb 10 | CC | 1 | 99      | - | - |
|     |     |     | Jan 27 | CC | 1 | 101/101 | - | - |
|     |     |     | Feb 10 | CC | 1 | 91/110  | - | - |
|     |     |     | Nov 9  | CC | 1 | 200     | - | - |
|     | 5Zw | OTB | Jan 6  | CC | 1 | 100     | - | - |
|     |     |     | Jan 13 | CC | 1 | 100     | - | - |
|     |     |     | Feb 10 | CC | 1 | 98      | - | - |
|     |     |     | Jan 13 | CC | 1 | 91/113  | - | - |
|     |     |     | Feb 17 | CC | 1 | 106/94  | - | - |
|     | 6A  | OTB | Jan 27 | CC | 1 | 100     | - | - |
|     |     |     | Feb 17 | CC | 1 | 100     | - | - |
|     |     |     | Feb 24 | CC | 1 | 100     | - | - |

JAPAN

| Species | NAFO Div. | Gear | Month  | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|--------|----------------|----------------|-----------|-------------|----------|
|         |           |      |        |                | No.            | No. meas. | No.         | No. aged |
| SQL     | 6B        | OTB  | Feb 3  | CC             | 1              | 100       | -           | -        |
|         |           |      | Nov 16 | CC             | 1              | 200       | -           | -        |
|         |           |      | Nov 30 | CC             | 2              | 400       | -           | -        |
|         |           |      | Dec 7  | CC             | 1              | 200       | -           | -        |
|         |           |      | Dec 21 | CC             | 1              | 195       | -           | -        |
|         |           |      | Nov 16 | CC             | 1              | 95/105    | -           | -        |
|         |           |      | Nov 23 | CC             | 1              | 106/95    | -           | -        |
| SQI     | 4W        | OTB  | Jul 27 | CC             | 1              | 198       | -           | -        |
|         |           |      | Aug 3  | CC             | 1              | 110/90    | -           | -        |
|         |           |      | Aug 10 | CC             | 1              | 119/82    | -           | -        |
|         |           |      | Aug 17 | CC             | 2              | 207/174   | -           | -        |
|         |           |      | Aug 31 | CC             | 1              | 155/86    | -           | -        |
|         |           |      | Sep 7  | CC             | 2              | 244/155   | -           | -        |
|         |           |      | Sep 21 | CC             | 1              | 86/114    | -           | -        |
|         |           |      | Oct 5  | CC             | 1              | 9/12      | -           | -        |
|         |           |      | Oct 19 | CC             | 1              | 112/91    | -           | -        |
|         |           |      | Nov 9  | CC             | 1              | 97/103    | -           | -        |
|         | 4X        | OTB  | Aug 10 | CC             | 1              | 102       | -           | -        |
|         |           |      | Aug 24 | CC             | 1              | 198       | -           | -        |
|         |           |      | Sep 7  | CC             | 1              | 199       | -           | -        |
|         |           |      | Sep 14 | CC             | 1              | 197       | -           | -        |
|         |           |      | Sep 28 | CC             | 1              | 200       | -           | -        |
|         |           |      | Aug 17 | CC             | 1              | 85/116    | -           | -        |
|         |           |      | Aug 24 | CC             | 3              | 268/333   | -           | -        |
|         |           |      | Aug 31 | CC             | 1              | 109/93    | -           | -        |
|         |           |      | Sep 7  | CC             | 3              | 322/286   | -           | -        |
|         |           |      | Sep 14 | CC             | 2              | 217/178   | -           | -        |
|         |           |      | Sep 21 | CC             | 1              | 104/96    | -           | -        |
|         |           |      | Oct 5  | CC             | 1              | 200       | -           | -        |
|         |           |      | Oct 26 | CC             | 1              | 200       | -           | -        |
|         |           |      | Sep 28 | CC             | 2              | 219/188   | -           | -        |
|         |           |      | Oct 5  | CC             | 3              | 300/300   | -           | -        |
|         |           |      | Oct 12 | CC             | 1              | 111/89    | -           | -        |
|         |           |      | Oct 26 | CC             | 1              | 75/129    | -           | -        |
|         |           |      | Nov 2  | CC             | 2              | 200/200   | -           | -        |
|         |           |      | Nov 9  | CC             | 1              | 97/103    | -           | -        |
|         |           |      | Oct 12 | CC             | 1              | 91/109    | -           | -        |
|         |           |      | Nov 9  | CC             | 1              | 92/108    | -           | -        |
|         | 6B        | OTB  | Nov 16 | CC             | 1              | 207       | -           | -        |
|         |           |      | Dec 7  | CC             | 1              | 84/116    | -           | -        |

Poland (National)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| 1979    |           |      |       |                |                |           |             |          |
| COD     | 2J        | OTB  | Feb   | CC             | 6              | 7045      | 6           | 853      |
|         | 3K        | OTB  | Feb   | CC             | 5              | 5110      | 10          | 1347     |
|         |           |      | Mar   | CC             | 4              | 4362      |             |          |
|         |           |      | Apr   | CC             | 2              | 2173      |             |          |
|         | 3L        | OTB  | Mar   | CC             | 3              | 2916      | 3           | 380      |
| WIT     | 3K        | OTB  | Feb   | CC             | 1              | 119/363   | -           | -        |
| GHL     | 2G        | OTB  | Oct   | CC             | 1              | 72/27     | -           | -        |
|         | 2H        | OTB  | Oct   | CC             | 2              | 525/397   | -           | -        |

## POLAND

| Species | NAFO Div. | Gear | Month  | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|--------|----------------|----------------|-----------|-------------|----------|
|         |           |      |        |                | No.            | No. meas. | No.         | No. aged |
| SQI     | 30        | OTM  | Sep 2  | CC             | 1              | 205/185   | -           | -        |
|         |           |      | Sep 9  | CC             | 1              | 210/196   |             |          |
|         | 4W        | OTM  | Jul 1  | CC             | 1              | 243/150   | -           | -        |
|         |           |      | Jul 8  | CC             | 1              | 221/170   |             |          |
|         |           |      | Jul 15 | CC             | 1              | 201/137   |             |          |
|         |           |      | Jul 22 | CC             | 1              | 263/144   |             |          |
|         |           |      | Jul 29 | CC             | 1              | 221/151   |             |          |
|         |           |      | Aug 19 | CC             | 2              | 564/241   |             |          |
|         |           |      | Aug 26 | CC             | 1              | 237/139   |             |          |
|         |           |      | Sep 2  | CC             | 1              | 265/127   |             |          |
|         |           |      | Sep 9  | CC             | 1              | 261/138   |             |          |
|         |           |      | Sep 16 | CC             | 1              | 134/80    |             |          |
|         |           |      | Sep 23 | CC             | 1              | 282/121   |             |          |
| <hr/>   |           |      |        |                |                |           |             |          |
| 1980    |           |      |        |                |                |           |             |          |
| COD     | 2J        | OTB  | Feb    | CC             | 6              | 5830      | -           | -        |
| WIT     | 3K        | OTB  | Mar    | CC             | 20             | 5517/6099 | -           | -        |
|         |           |      | Apr    | CC             | 16             | 2652/4834 | -           | -        |
| SQI     | 4W        | OTM  | Aug 17 | CC             | 1              | 159/193   | -           | -        |
|         |           |      | Aug 24 | CC             | 3              | 635/610   |             |          |
|         |           |      | Aug 31 | CC             | 6              | 1354/1044 |             |          |
|         |           |      | Sep 7  | CC             | 2              | 461/322   |             |          |
|         |           |      | Sep 14 | CC             | 3              | 628/562   |             |          |
| <hr/>   |           |      |        |                |                |           |             |          |
| 1981    |           |      |        |                |                |           |             |          |
| WIT     | 3K        | OTM  | Mar    | CC             | 9              | 3218/2432 | -           | -        |
|         |           |      | Apr    | CC             | 3              | 1323/966  | -           | -        |
|         |           |      | May    | CC             | 3              | 646/1300  | -           | -        |
| GHL     | 3K        | OTM  | May    | CC             | 6              | 2258/2159 | -           | -        |
| SQI     | 4W        | OTM  | Jul 26 | CC             | 4              | 884/821   | -           | -        |
|         |           |      | Aug 2  | CC             | 6              | 1437/1301 |             |          |
|         |           |      | Aug 9  | CC             | 6              | 1367/1441 |             |          |
|         |           |      | Aug 23 | CC             | 1              | 200/222   |             |          |
|         |           |      | Aug 30 | CC             | 3              | 659/686   |             |          |
|         |           |      | Sep 6  | CC             | 1              | 225/200   |             |          |
|         |           |      |        |                |                |           |             |          |
|         | 4X        | OTM  | Aug 30 | CC             | 1              | 226/202   | -           | -        |
| <hr/>   |           |      |        |                |                |           |             |          |
| 1982    |           |      |        |                |                |           |             |          |
| GHL     | 2J        | OTB  | Mar    | CC             | 3              | 649/913   | -           | -        |
| <hr/>   |           |      |        |                |                |           |             |          |
| 1983    |           |      |        |                |                |           |             |          |
| COD     | 3K        | OTB  | Jun    | CC             | 3              | 2093      | -           | -        |
|         |           |      | Jul    | CC             | 1              | 723       | -           | -        |
| RED     | 3K        | OTB  | May    | CC             | 3              | 464/698   | -           | -        |
|         |           |      | Jun    | CC             | 5              | 1066/1141 |             |          |
| WIT     | 3K        | OTB  | May    | CC             | 2              | 418/592   | -           | -        |
|         |           |      | Jun    | CC             | 3              | 779/731   |             |          |
|         |           |      | Jul    | CC             | 1              | 199/328   |             |          |
| GHL     | 3K        | OTB  | May    | CC             | 3              | 547/753   | -           | -        |
|         |           |      | Jun    | CC             | 3              | 787/929   |             |          |
|         |           |      | Jul    | CC             | 3              | 983/1053  |             |          |

### Portugal (National)

| Species | NAFO Div. | Gear | Month | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|-------|----------------|----------------|-----------|-------------|----------|
|         |           |      |       |                | No.            | No. meas. | No.         | No. aged |
| 1981    |           |      |       |                |                |           |             |          |
| COD     | 3M        | OTB  | May   | CC             | 7              | 700       | -           | 74       |
|         | 4W        | OTB  | Jun   | CC             | 10             | 995       | -           | -        |
| RED     | 3L        | OTB  | Jun   | CC             | 1              | 41/9      | -           | -        |
|         | 3M        | OTB  | Jun   | CC             | 2              | 74/26     | -           | -        |
| HKS     | 30        | OTB  | Jul   | CC             | 3              | 135/165   | -           | -        |
|         | 4W        | OTB  | May   | CC             | 13             | 735/567   | }           | -        |
|         |           |      | Jun   | CC             | 30             | 1249/1751 |             |          |

### Romania (National)

| Species | NAFO Div. | Gear | Month  | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|--------|----------------|----------------|-----------|-------------|----------|
|         |           |      |        |                | No.            | No. meas. | No.         | No. aged |
| 1979    |           |      |        |                |                |           |             |          |
| HKS     | 5Zw       | OTM  | Feb    | CC             | 1              | 100/100   | -           | -        |
| REB     | 3M        | OTM  | Jun    | CC             | 1              | 81/120    | 1           | 52/59    |
| SRA     | 5Zw       | OTM  | Feb    | CC             | 1              | 104/96    | -           | -        |
| MAC     | 6A        | OTM  | Feb    | CC             | 2              | 400       | 1           | 63       |
|         |           |      | Feb    | CC             | 2              | 216/184   | -           | -        |
| BUT     | 6A        | OTM  | Feb    | CC             | 1              | 64/136    | -           | -        |
| ALE     | 5Zw       | OTM  | May    | CC             | 1              | 88/112    | -           | -        |
| CAP     | 2J        | OTM  | Sep    | CC             | 43             | 4650/5477 | -           | -        |
|         |           |      | Oct    | CC             | 30             | 3026/3826 | -           | -        |
| SQL     | 6A        | OTM  | Feb 4  | CC             | 3              | 600       | -           | -        |
|         |           |      | Feb 11 | CC             | 1              | 200       | -           | -        |
| SQI     | 3M        | OTM  | Jun 17 | CC             | 1              | 11/14     | -           | -        |
|         | 4W        | OTM  | Jul 1  | CC             | 15             | 1782/1435 | -           | -        |
|         |           |      | Jul 8  | CC             | 10             | 1185/865  | -           | -        |
|         |           |      | Jul 15 | CC             | 2              | 227/222   | -           | -        |
|         |           |      | Jul 22 | CC             | 20             | 2544/1632 | -           | -        |
|         |           |      | Jul 30 | CC             | 20             | 2678/1638 | -           | -        |
|         |           |      | Aug 5  | CC             | 4              | 526/381   | -           | -        |
|         | 6A        | OTM  | Feb 4  | CC             | 1              | 200       | -           | -        |
| -----   |           |      |        |                |                |           |             |          |
| 1980    |           |      |        |                |                |           |             |          |
| HKR     | 5Ze       | OTB  | Mar    | CC             | 1              | 115/111   | 1           | 67/46    |
| MAC     | 6B        | OTB  | Oct    | CC             | 1              | 81/61     | 1           | 80       |
| BUT     | 5Zw       | OTB  | Oct    | CC             | 1              | 82/116    | 1           | 110      |
| SQI     | 5Ze       | OTB  | Oct 19 | CC             | 1              | 79/122    | -           | -        |
|         |           |      | Oct 26 | CC             | 1              | 77/127    | -           | -        |
|         | 6A        | OTB  | Oct 12 | CC             | 1              | 104/94    | -           | -        |
|         | 6B        | OTB  | Oct 12 | CC             | 1              | 105/94    | -           | -        |
|         |           |      | Oct 19 | CC             | 1              | 72/68     | -           | -        |

# USSR (National)

| Species | NAFO Div. | Gear | Month  | Type of sample | Length samples |           | Age samples |          |
|---------|-----------|------|--------|----------------|----------------|-----------|-------------|----------|
|         |           |      |        |                | No.            | No. meas. | No.         | No. aged |
| 1979    |           |      |        |                |                |           |             |          |
| COD     | 2H        | OTB  | Jan    | CC             | 1              | 566       | -           | -        |
|         | 3K        | OTB  | Feb    | CC             | 2              | 495       | -           | -        |
|         | 3M        | OTB  | Jan    | CC             | 1              | 520       | -           | -        |
|         |           | LL   | May    | CC             | 1              | 30        | -           | -        |
|         | 4W        | OTB  | Jun    | CC             | 1              | 106       | -           | -        |
| HAD     | 4W        | OTB  | May    | CC             | 2              | 166       | -           | -        |
|         |           |      | Jun    | CC             | 7              | 567       |             |          |
| RED     | 3K        | OTB  | Feb    | CC             | 1              | 140/111   | -           | -        |
|         |           |      | Mar    | CC             | 2              | 263/210   |             |          |
|         | 3M        | OTB  | Mar    | CC             | 1              | 247/155   | -           | -        |
|         |           |      | Apr    | CC             | 1              | 181/149   | -           | -        |
| HKS     | 4W        | OTB  | Apr    | CC             | 11             | 969/1235  | -           | 115/169  |
|         |           |      | May    | CC             | 63             | 6712/5878 | -           | 114/181  |
|         |           |      | Jun    | CC             | 56             | 6104/5186 | -           | 245/282  |
|         |           |      | Jul    | CC             | 34             | 3226/3426 | -           | 73/83    |
|         |           |      | Aug    | CC             | 55             | 3871/7125 | -           | 87/140   |
|         |           |      | Sep    | CC             | 8              | 407/1193  | -           | 59/176   |
|         |           |      |        |                |                |           |             |          |
| HKR     | 4W        | OTB  | Jul    | CC             | 1              | 31        | -           | -        |
| POK     | 4W        | OTB  | May    | CC             | 2              | 212       | -           | -        |
|         |           |      | Jun    | CC             | 8              | 824       |             |          |
| REG     | 4W        | OTB  | May    | CC             | 2              | 96/96     | -           | -        |
| REB     | 3L        | OTB  | Oct    | CC             | 1              | 180       | -           | -        |
|         | 3M        | OTB  | Oct    | CC             | 23             | 4598      | -           | -        |
|         |           |      | Oct    | CC             | 4              | 380/420   | -           | -        |
| WIT     | 3K        | OTB  | Apr    | CC             | 3              | 79/590    | -           | -        |
| RNG     | 3K        | OTB  | May    | CC             | 1              | 849/623   | -           | -        |
| HKW     | 3N        | LL   | May    | CC             | 1              | 12        | -           | -        |
| CAS     | 3M        | LL   | May    | CC             | 1              | 44        | -           | -        |
| ARG     | 4W        | OTB  | May    | CC             | 3              | 598       | -           | -        |
| SKA     | 3N        | LL   | May    | CC             | 1              | 20        | -           | -        |
| SQI     | 30        | OTM  | Sep 2  | CC             | 3              | 162/138   | -           | -        |
|         |           |      | Sep 2  | CC             | 3              | 165/135   | -           | -        |
|         |           |      | Sep 9  | CC             | 2              | 119/81    | -           | -        |
|         | 4Vs       | OTB  | Jul 29 | CC             | 1              | 65/35     | -           | -        |
|         | 4W        | OTB  | May 27 | CC             | 2              | 213/198   | -           | -        |
|         |           |      | Jun 3  | CC             | 2              | 232/188   |             |          |
|         |           |      | Jun 10 | CC             | 5              | 482/429   |             |          |
|         |           |      | Jun 24 | CC             | 4              | 285/449   |             |          |
|         |           |      | Jul 15 | CC             | 2              | 108/89    |             |          |
|         |           |      | Jul 22 | CC             | 9              | 415/485   |             |          |
|         |           |      | Jul 29 | CC             | 11             | 501/599   |             |          |
|         |           |      | Aug 5  | CC             | 6              | 271/329   |             |          |
|         | 4X        | OTB  | Jul 29 | CC             | 1              | 52/48     | -           | -        |
|         |           |      | Sep 2  | CC             | 2              | 126/74    | -           | -        |

USSR

| Species | NAFO Div. | Gear | Month  | Type of sample | Length samples |             | Age samples |          |
|---------|-----------|------|--------|----------------|----------------|-------------|-------------|----------|
|         |           |      |        |                | No.            | No. meas.   | No.         | No. aged |
| 1980    |           |      |        |                |                |             |             |          |
| HAD     | 4W        | OTB  | Jul    | CC             | 1              | 148         | -           | -        |
|         |           |      | Aug    | CC             | 4              | 899         |             |          |
|         | 4X        | OTB  | Jul    | CC             | 1              | 81          | -           | -        |
| HKS     | 4W        | OTB  | May    | CC             | 86             | 7454/9748   | -           | 76/163   |
|         |           |      | Jun    | CC             | 95             | 8878/10149  | -           | 152/125  |
|         |           |      | Jul    | CC             | 107            | 10212/12806 | -           | 135/203  |
|         |           |      | Aug    | CC             | 76             | 7453/8828   | -           | 106/299  |
|         |           |      | Sep    | CC             | 2              | 163/236     | -           | -        |
|         | 4X        | OTB  | May    | CC             | 13             | 1279/1321   | -           | -        |
|         |           | Jun  | CC     | 10             | 703/1315       |             |             |          |
|         |           | Jul  | CC     | 7              | 679/822        |             |             |          |
|         |           | Aug  | CC     | 2              | 142/261        |             |             |          |
| GHL     | 2G        | OTB  | Oct    | CC             | 3              | 686/126     | -           | -        |
|         |           |      | Nov    | CC             | 8              | 1155/321    |             |          |
|         |           |      | Dec    | CC             | 1              | 123/88      |             |          |
| RNG     | 2G        | OTB  | Nov    | CC             | 3              | 329/142     | -           | -        |
| MAC     | 4W        | OTB  | May    | CC             | 5              | 644         | -           | -        |
| ARG     | 4W        | OTB  | May    | CC             | 1              | 92          | -           | -        |
|         | 4X        | OTB  | May    | CC             | 3              | 706         | -           | -        |
| CAP     | 2J        | OTM  | Sep    | CC             | 1              | 157/302     | 1           | 38/62    |
|         |           |      | Oct    | CC             | 3              | 380/514     | 4           | 155/245  |
| SQI     | 4W        | OTB  | Jun 15 | CC             | 1              | 200         | -           | -        |
|         |           |      | Jun 22 | CC             | 4              | 415/385     | -           | -        |
|         |           |      | Jun 29 | CC             | 2              | 181/128     | -           | -        |
|         |           |      | Jul 6  | CC             | 2              | 132/129     | -           | -        |
|         |           |      | Jul 16 | CC             | 3              | 309/278     | -           | -        |
|         |           |      | Jul 20 | CC             | 4              | 431/412     | -           | -        |
|         |           |      | Aug 3  | CC             | 7              | 666/760     | -           | -        |
|         |           |      | Aug 10 | CC             | 6              | 673/467     | -           | -        |
|         |           |      | Aug 24 | CC             | 3              | 333/252     | -           | -        |
|         |           |      | Aug 31 | CC             | 2              | 223/174     | -           | -        |
| 1981    |           |      |        |                |                |             |             |          |
| RED     | 4W        | OTB  | May    | CC             | 1              | 103/90      | -           | -        |
| HKS     | 4W        | OTB  | May    | CC             | 32             | 3799/2691   | -           | 114/131  |
|         |           |      | Jun    | CC             | 62             | 6166/6102   | -           | 171/119  |
|         |           |      | Jul    | CC             | 25             | 2617/2466   | -           | 140/202  |
|         |           |      | Aug    | CC             | -              | 77/197      | -           | 77/197   |
|         | 4X        | OTB  | Jun    | CC             | 2              | 114/286     | -           | -        |
| SQI     | 4W        | OTB  | May 17 | CC             | 1              | 202         | -           | -        |
|         |           |      | Jun 28 | CC             | 6              | 1215        | -           | -        |
|         |           |      | Jul 5  | CC             | 1              | 200         | -           | -        |
|         |           |      | Jun 28 | CC             | 3              | 329/277     | -           | -        |
|         |           |      | Jul 5  | CC             | 1              | 113/98      | -           | -        |
| 1982    |           |      |        |                |                |             |             |          |
| HKS     | 4W        | OTB  | May    | CC             | -              | 130/108     | -           | 130/108  |
|         |           |      | Jun    | CC             | 37             | 3594/4229   | -           | 151/202  |
|         |           |      | Jul    | CC             | 65             | 6139/7587   | -           | 137/211  |
| 1983    |           |      |        |                |                |             |             |          |
| HKS     | 4W        | OTB  | Apr    | CC             | 48             | 4906/4694   | -           | 104/86   |
|         |           |      | May    | CC             | 83             | 8467/8135   | -           | 138/141  |
|         |           |      | Jun    | CC             | 76             | 6375/8858   | -           | 127/213  |
|         |           |      | Jul    | CC             | 5              | 464/607     | -           | 84/117   |