

Northwest Atlantic



Fisheries Organization

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Summary of Reported Sampling Data for 1980

by

NAFO Secretariat

1. Introduction

The change in reporting procedures following the adoption of new sampling forms (CFS-1 and CFS-2) at the 1979 Annual Meeting (*ICNAF Redbook* 1979, page 95; *NAFO Sci. Coun. Rep.* 1979-80, page 16) required that, for 1979 and subsequent years, length frequencies should be reported as individual samples and that age-length key data not be grouped in periods greater than a calendar month or in areas greater than one NAFO division (or subdivision, where applicable). The appended tables represent summaries of all length frequency data reported to the Secretariat for 1980.

2. Summaries of Length Frequency Samples

The summaries are arranged in two sections in a format similar to that used in previous Sampling Yearbooks. PART I contains a summary of national data reported directly to the Secretariat by the following countries: Bulgaria, Canada (M), Canada (N), Cuba, Denmark (G), France (M), France (SP), Japan, Poland, Romania, and USSR. PART II contains a summary of data collected through the International Scientific Observer Program and reported by Canada (N), the coverage including the following: Canada (M), Cuba, France (M), France (SP), Federal Republic of Germany, German Democratic Republic, Japan, Norway, Poland, Portugal, Spain, USSR and UK. No such scientific observer data have yet been reported to the Secretariat by Canada (Maritimes).

The sample characteristics are summarized to identify the country, species, division, gear, month, number of samples, and number of fish measured (by sex, where available). An indication of the coverage in 1980 by country, species and division is given in Table 1.

Table 1. Summary of sampling data by country, species and division, from national and scientific observer sampling of fisheries in 1980.

| Country           | Species              | National sampling                             | Observer sampling          |
|-------------------|----------------------|-----------------------------------------------|----------------------------|
| Bulgaria          | Silver hake          | 4W                                            |                            |
| Canada (M)        | Cod                  |                                               | 2J                         |
|                   | G. halibut           |                                               | 2H                         |
|                   | Squid- <i>Illex</i>  | 4W, 4X, 4NK                                   |                            |
| Canada (N)        | Cod                  | 2J, 3K, 3L, 3N, 3O, 3Pn, 3Ps, 4R, 4S, 4Vs, 4X |                            |
|                   | Haddock              | 3Ps, 4Vs, 4W, 4X                              |                            |
|                   | Redfish, beaked      | 2J, 3K, 3L, 3O, 3Pn, 3Ps, 4R, 4S, 4Vs         |                            |
|                   | A. plaice            | 3K, 3L, 3N, 3O, 3Ps, 4R, 4Vs                  |                            |
|                   | Witch flounder       | 3K, 3L, 3N, 3Pn, 3Ps, 4R, 4S, 4Vn, 4Vs        |                            |
|                   | Yellowtail flo.      | 3L, 3N, 3O, 3Ps, 4Vs                          |                            |
|                   | G. halibut           | 2H, 3K, 3L, 3Ps, 4R, 4S                       |                            |
|                   | Squid- <i>Illex</i>  | 3K, 3L, 4R                                    |                            |
| Cuba              | Cod                  | 3M                                            | 3K                         |
|                   | Redfish              | 3M, 3N, 3O                                    |                            |
|                   | Silver hake          | 4W, 6A                                        |                            |
|                   | Mackerel             | 6A                                            |                            |
|                   | Squid- <i>Illex</i>  | 4W                                            |                            |
| Denmark (G)       | Cod                  | 1B, 1C, 1D, 1E, 1F                            |                            |
|                   | Redfish              | 1B, 1C, 1D                                    |                            |
|                   | A. plaice            | 1A, 1B, 1D, 1E                                |                            |
|                   | G. halibut           | 1A, 1B, 1D                                    |                            |
|                   | A. halibut           | 1D                                            |                            |
|                   | Wolffish             | 1D                                            |                            |
|                   | Spotted wolffish     | 1D                                            |                            |
| Fed. Rep. Germany | Cod                  |                                               | 2H, 2J                     |
| France (M)        | Cod                  | 3Pn, 4R, 4Vn                                  | 3L, 3Pn, 4R                |
|                   | Haddock              |                                               | 4R                         |
|                   | Redfish              | 4R                                            |                            |
|                   | Redfish, beaked      |                                               | 4R                         |
|                   | A. plaice            |                                               | 4R                         |
| France (SP)       | Cod                  | 4Vn                                           | 3Pn, 4R                    |
|                   | A. plaice            | 4Vn                                           |                            |
| German Dem. Rep.  | Cod                  |                                               | 2H, 2J, 3K                 |
|                   | G. halibut           |                                               | 2H                         |
| Japan             | Cod                  |                                               | 3L                         |
|                   | Silver hake          | 4X                                            |                            |
|                   | Butterfish           | 5Zw                                           |                            |
|                   | Argentine            | 4W, 4X                                        |                            |
|                   | Squid- <i>Loligo</i> | 5Ze, 5Zw, 6A, 6B                              |                            |
|                   | Squid- <i>Illex</i>  | 4W, 4X, 6B                                    |                            |
| Norway            | Cod                  |                                               | 2J, 3K                     |
|                   | A. plaice            |                                               | 3K                         |
|                   | G. halibut           |                                               | 3K                         |
| Poland            | Cod                  | 2J                                            | 2H, 2J, 3K, 3M             |
|                   | Witch                | 3K                                            | 3K                         |
|                   | G. halibut           |                                               | 2H, 2J, 3K                 |
|                   | Squid- <i>Illex</i>  | 4W                                            |                            |
| Portugal          | Cod                  |                                               | 2H, 2J, 3K, 3L, 3M, 3N, 3O |
|                   | Haddock              |                                               | 3O                         |
|                   | Redfish, beaked      |                                               | 3K, 3L                     |
|                   | A. plaice            |                                               | 3K, 3N                     |
|                   | G. halibut           |                                               | 2J                         |

Table 1. (Continued)

| Country | Species                                                                                                                                  | National sampling                                  | Observer sampling                          |
|---------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------|
| Romania | Red hake<br>Mackerel<br>Butterfish<br>Squid- <i>Illex</i>                                                                                | 5Ze<br>6B<br>5Zw<br>5Ze, 6A, 6B                    |                                            |
| Spain   | Cod<br>A. plaice<br>Yellowtail flo.                                                                                                      |                                                    | 3K, 3L, 3N, 3O<br>3L, 3N, 3O<br>3L, 3N, 3O |
| USSR    | Cod<br>Haddock<br>Silver hake<br>Witch flounder<br>G. halibut<br>R. grenadier<br>Mackerel<br>Argentine<br>Capelin<br>Squid- <i>Illex</i> | 4W, 4X<br>4W, 4X<br>2G<br>4W<br>4W, 4X<br>2J<br>4W | 3K<br>0B, 2J, 3K                           |
| UK      | Cod                                                                                                                                      |                                                    | 2J                                         |

| Species            | Div.              | Gear | Month | Type of Sample | Length samples |           |     |
|--------------------|-------------------|------|-------|----------------|----------------|-----------|-----|
|                    |                   |      |       |                | No.            | No. meas. |     |
| <u>Bulgaria</u>    |                   |      |       |                |                |           |     |
| Silver hake        | 4W                | OTB  | Jun   | CC             | 3              | 605       |     |
|                    |                   |      | Jul   | CC             | 2              | 392       |     |
| <hr/>              |                   |      |       |                |                |           |     |
| <u>Canada (M)</u>  |                   |      |       |                |                |           |     |
| Squid <i>Illex</i> | 4W                | FPN  | Jun   | CL             | 1              | 25/2      |     |
|                    |                   |      | Aug   | CL             | 1              | 15/38     |     |
|                    |                   |      | Sep   | CL             | 5              | 146/156   |     |
|                    | 4X                | FPN  | Aug   | CL             | 4              | 75/178    |     |
|                    |                   |      | Sep   | CL             | 3              | 56/137    |     |
|                    |                   |      | Oct   | CL             | 2              | 31/71     |     |
|                    |                   | NK   | Aug   | CL             | 1              | 15/35     |     |
|                    |                   |      | 4NK   | FPN            | Jul            | CL        | 3   |
|                    | <hr/>             |      |       |                |                |           |     |
|                    | <u>Canada (N)</u> |      |       |                |                |           |     |
| Cod                | 2J                | OTB  | Jan   | CC             | 1              | 202       |     |
|                    |                   |      | Feb   | CC+CL          | 73             | 17066     |     |
|                    |                   |      | Apr   | CC+CL          | 5              | 2037      |     |
|                    |                   |      | May   | CC+CL          | 15             | 4450      |     |
|                    |                   | GN   | Aug   | CL             | 10             | 3782      |     |
|                    |                   | FPN  | Aug   | CL             | 5              | 4450      |     |
|                    | 3K                | OTB  | Feb   | CC+CL          | 12             | 3061      |     |
|                    |                   |      | Mar   | CC+CL          | 23             | 7116      |     |
|                    |                   |      | Apr   | CC+CL          | 28             | 10862     |     |
|                    |                   |      | May   | CC+CL          | 29             | 6276      |     |
|                    |                   | 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   | CC+CL          | 4              | 1195      |     |
|                    |                   |      | Mar   | CC+CL          | 38             | 10258     |     |
|                    |                   |      | Apr   | CL             | 1              | 371       |     |
|                    |                   |      | May   | CC+CL          | 9              | 1842      |     |
|                    |                   |      | Jun   | CC+CL          | 14             | 4967      |     |
|                    |                   |      | Aug   | CL             | 2              | 274       |     |
|                    |                   |      | Oct   | CL             | 3              | 1169      |     |
|                    |                   |      | Nov   | CL             | 3              | 861       |     |
|                    |                   |      | Dec   | CL             | 3              | 1380      |     |
|                    |                   |      | GN    | Apr            | CL             | 2         | 628 |
|                    |                   | May  |       | CL             | 9              | 1626      |     |
|                    |                   | Jun  |       | CL             | 5              | 314       |     |
|                    |                   | Jul  |       | CL             | 4              | 776       |     |
|                    |                   | Oct  | CL    | 1              | 280            |           |     |

| Species         | Div. | Gear | Month | Type of Sample | Length samples |           |
|-----------------|------|------|-------|----------------|----------------|-----------|
|                 |      |      |       |                | No.            | No. meas. |
| Cod (continued) |      | LL   | Sep   | CL             | 2              | 401       |
|                 |      |      | Oct   | CL             | 1              | 459       |
|                 |      | LHP  | Jun   | CL             | 8              | 2025      |
|                 |      |      | Jul   | CL             | 3              | 1013      |
|                 |      |      | Aug   | CL             | 2              | 446       |
|                 |      |      | Sep   | CL             | 10             | 1778      |
|                 |      | FPN  | Jun   | CL             | 12             | 5147      |
|                 |      |      | Jul   | CL             | 2              | 1205      |
|                 | 3N   | OTB  | May   | CL             | 2              | 675       |
|                 |      |      | Nov   | CL             | 4              | 1929      |
|                 | 30   | OTB  | Nov   | CL             | 4              | 2602      |
|                 |      |      | Dec   | CL             | 1              | 368       |
|                 | 3Pn  | LL   | Feb   | CL             | 4              | 1513      |
|                 |      |      | Mar   | CL             | 5              | 2719      |
|                 |      |      | May   | CL             | 6              | 2265      |
|                 |      |      | Nov   | CL             | 8              | 2711      |
|                 | 3Ps  | OTB  | Jan   | CL             | 1              | 419       |
|                 |      |      | Feb   | CL             | 3              | 823       |
|                 |      |      | Nov   | CL             | 3              | 1011      |
|                 |      |      | Dec   | CC             | 4              | 805       |
|                 |      | PTM  | Nov   | CL             | 1              | 540       |
|                 |      | GN   | Apr   | CL             | 1              | 186       |
|                 |      |      | Jun   | CL             | 3              | 463       |
|                 |      |      | Aug   | CL             | 4              | 1498      |
|                 |      |      | Sep   | CL             | 1              | 131       |
|                 |      |      | Oct   | CL             | 1              | 95        |
|                 |      | LL   | Feb   | CL             | 1              | 326       |
|                 |      |      | Mar   | CL             | 10             | 4198      |
|                 |      |      | Apr   | CL             | 2              | 621       |
|                 |      |      | May   | CL             | 7              | 2298      |
|                 |      |      | Jun   | CL             | 6              | 2868      |
|                 |      |      | Aug   | CL             | 10             | 2568      |
|                 |      |      | Sep   | CL             | 7              | 2298      |
|                 |      |      | Oct   | CL             | 3              | 960       |
|                 |      |      | Nov   | CL             | 4              | 959       |
|                 |      | LHP  | Jun   | CL             | 7              | 2098      |
|                 |      |      | Jul   | CL             | 1              | 330       |
|                 |      | FPN  | Jun   | CL             | 6              | 3213      |
|                 |      |      | Jul   | CL             | 2              | 806       |
|                 |      |      | Aug   | CL             | 1              | 408       |
|                 | 4R   | OTB  | Feb   | CC+CL          | 16             | 6522      |
|                 |      |      | Mar   | CC             | 3              | 593       |
|                 |      |      | Apr   | CC             | 4              | 784       |
|                 |      |      | May   | CL             | 6              | 2417      |
|                 |      |      | Jul   | CL             | 1              | 1185      |
|                 |      | GN   | May   | CL             | 10             | 3007      |
|                 |      |      | Jul   | CL             | 7              | 2808      |
|                 |      | FPN  | Jul   | CL             | 1              | 884       |

| Species         | Div. | Gear | Month | Type of Sample | Length samples |             |
|-----------------|------|------|-------|----------------|----------------|-------------|
|                 |      |      |       |                | No.            | No. meas.   |
| Cod (continued) | 4S   | OTB  | Feb   | CC             | 15             | 3434        |
|                 |      |      | Mar   | CC+CL          | 4              | 1054        |
|                 | 4Vs  | OTB  | Mar   | CL             | 7              | 2787        |
|                 | 4X   | OTB  | Nov   | CL             | 1              | 117         |
| Haddock         | 3Ps  | OTB  | Nov   | CL             | 1              | 279         |
|                 | 4Vs  | OTB  | Apr   | CL             | 1              | 152         |
|                 | 4W   | OTB  | Mar   | CL             | 2              | 425         |
|                 | 4X   | OTB  | Nov   | CL             | 1              | 267         |
| Redfish-beaked  | 2J   | OTB  | Apr   | CL             | 1              | 185/232     |
|                 |      |      | May   | CL             | 1              | 207/399     |
|                 | 3K   | OTB  | Feb   | CL             | 3              | 422/544     |
|                 |      |      | Mar   | CL             | 4              | 543/675     |
|                 |      |      | Apr   | CL             | 6              | 1083/1421   |
|                 |      |      | May   | CL             | 1              | 98/128      |
|                 | 3L   | OTB  | Feb   | CL             | 1              | 147/93      |
|                 |      |      | Mar   | CL             | 2              | 631/216     |
|                 |      |      | Sep   | CL             | 3              | 823/904     |
|                 |      |      | Dec   | CL             | 1              | 245/328     |
|                 | 3N   | OTB  | Nov   | CL             | 1              | 58/73       |
|                 | 3O   | OTB  | Aug   | CL             | 1              | 244/490     |
|                 |      |      | Sep   | CL             | 3              | 920/1291    |
|                 | 3Pn  | OTB  | Aug   | CL             | 1              | 262/254     |
|                 | 3Ps  | OTB  | Mar   | CL             | 3              | 744/940     |
|                 |      |      | Jul   | CL             | 2              | 454/591     |
|                 |      |      | Aug   | CL             | 8              | 2527/2574   |
|                 |      |      | Sep   | CL             | 1              | 259/283     |
|                 |      |      | Nov   | CL             | 7              | 1172/1397   |
|                 | 4R   | OTB  | Feb   | CL             | 3              | 469/823     |
|                 | 4S   | OTB  | Feb   | CC             | 1              | 84/101      |
|                 | 4Vs  | OTB  | Mar   | CL             | 1              | 107/275     |
| A. Plaice       | 3K   | OTB  | Feb   | CL             | 4              | 340/1029    |
|                 |      |      | Mar   | CC+CL          | 3              | 682/850     |
|                 |      |      | Apr   | CL             | 3              | 453/772     |
|                 |      |      | May   | CL             | 2              | 288/460     |
|                 |      |      | Nov   | CC             | 1              | 190/199     |
|                 | 3L   | OTB  | Feb   | CL             | 2              | 395/675     |
|                 |      |      | Mar   | CL             | 8              | 547/1814    |
|                 |      |      | Apr   | CL             | 1              | 117/406     |
|                 |      |      | May   | CC+CL          | 67             | 11800/11256 |
|                 |      |      | Jun   | CC+CL          | 34             | 6030/5956   |
|                 |      |      | Jul   | CC+CL          | 9              | 953/1539    |
|                 |      |      | Aug   | CC+CL          | 7              | 934/1195    |
|                 |      |      | Sep   | CC+CL          | 8              | 665/1119    |
|                 |      |      | Oct   | CC+CL          | 9              | 1190/1867   |
|                 |      |      | Nov   | CC+CL          | 2              | 352/379     |
|                 |      |      | Dec   | CC+CL          | 30             | 2899/5227   |

| Species               | Div. | Gear | Month | Type of Sample | Length samples |           |
|-----------------------|------|------|-------|----------------|----------------|-----------|
|                       |      |      |       |                | No.            | No. meas. |
| A. Plaice (continued) |      | GN   | Apr   | CL             | 1              | 113/261   |
|                       |      |      | May   | CL             | 8              | 533/1881  |
|                       |      |      | Jun   | CL             | 6              | 227/1766  |
|                       |      |      | Jul   | CL             | 2              | 121/530   |
|                       |      |      | Sep   | CL             | 6              | 252/1876  |
|                       | 3N   | OTB  | Jan   | CL             | 1              | 213/308   |
|                       |      |      | Feb   | CL             | 1              | 177/256   |
|                       |      |      | Mar   | CL             | 1              | 130/325   |
|                       |      |      | May   | CC+CL          | 6              | 742/845   |
|                       |      |      | Jun   | CC+CL          | 6              | 752/915   |
|                       |      |      | Jul   | CC+CL          | 7              | 786/1610  |
|                       |      |      | Aug   | CC+CL          | 12             | 1758/1632 |
|                       |      |      | Sep   | CC+CL          | 20             | 2503/3118 |
|                       |      |      | Oct   | CC+CL          | 23             | 4178/5360 |
|                       |      |      | Nov   | CL             | 6              | 1076/1665 |
|                       |      |      | Dec   | CC             | 3              | 341/250   |
|                       | 30   | OTB  | Mar   | CL             | 1              | 170/279   |
|                       |      |      | May   | CL             | 1              | 77/266    |
|                       |      |      | Jun   | CL             | 2              | 281/470   |
|                       |      |      | Aug   | CC             | 1              | 97/107    |
|                       |      |      | Sep   | CL             | 1              | 160/172   |
|                       |      |      | Oct   | CL             | 1              | 114/143   |
|                       |      |      | Dec   | CC             | 2              | 205/175   |
|                       | 3Ps  | OTB  | Feb   | CL             | 3              | 320/639   |
|                       |      |      | Oct   | CC             | 2              | 165/308   |
|                       |      |      | Nov   | CL             | 3              | 237/437   |
|                       |      |      | Dec   | CC+CL          | 4              | 408/559   |
|                       | 4R   | OTB  | Apr   | CC             | 2              | 77/96     |
|                       | 4S   | OTB  | Feb   | CC             | 1              | 114/158   |
|                       | 4Vs  | OTB  | Mar   | CL             | 2              | 385/454   |
|                       |      |      | Apr   | CL             | 1              | 194/144   |
| Witch                 | 3K   | OTB  | Feb   | CC+CL          | 4              | 306/935   |
|                       |      |      | Mar   | CC+CL          | 2              | 114/367   |
|                       |      |      | Apr   | CL             | 1              | 137/234   |
|                       | 3L   | OTB  | Mar   | CC             | 1              | 64/61     |
|                       |      | GN   | Jun   | CL             | 2              | 97/153    |
|                       | 3N   | OTB  | Nov   | CL             | 2              | 270/451   |
|                       |      |      | Dec   | CL             | 2              | 141/573   |
|                       | 3Pn  | OTB  | Aug   | CC             | 1              | 24/74     |
|                       | 3Ps  | OTB  | Feb   | CL             | 1              | 336/258   |
|                       |      |      | Aug   | CC             | 2              | 33/187    |
|                       |      |      | Nov   | CL             | 2              | 412/333   |
|                       |      | PTM  | Sep   | CL             | 1              | 67/182    |
|                       |      |      | Oct   | CL             | 1              | 118/167   |
|                       |      | SN   | Sep   | CL             | 1              | 37/97     |
|                       | 4R   | OTB  | Feb   | CL             | 3              | 538/576   |
|                       |      |      | Mar   | CL             | 1              | 174/175   |
|                       | 4S   | OTB  | Feb   | CC             | 7              | 761/963   |
|                       |      |      | Apr   | CC             | 1              | 100/87    |

| Species            | Div. | Gear | Month | Type of Sample | Length samples |           |
|--------------------|------|------|-------|----------------|----------------|-----------|
|                    |      |      |       |                | No.            | No. meas. |
| Witch (continued)  | 4Vn  | OTB  | Mar   | CC             | 1              | 97/94     |
|                    | 4Vs  | OTB  | Mar   | CL             | 1              | 127/209   |
| Yellowtail         | 3L   | OTB  | May   | CC+CL          | 11             | 1642/1451 |
|                    |      |      | Jun   | CC+CL          | 10             | 2075/1814 |
|                    |      |      | Aug   | CL             | 2              | 205/591   |
|                    | 3N   | OTB  | Mar   | CL             | 1              | 141/236   |
|                    |      |      | May   | CC+CL          | 2              | 409/345   |
|                    |      |      | Jun   | CL             | 1              | 153/242   |
|                    |      |      | Jul   | CL             | 3              | 357/847   |
|                    |      |      | Aug   | CL             | 3              | 424/828   |
|                    |      |      | Sep   | CC+CL          | 5              | 538/1153  |
|                    |      |      | Oct   | CC+CL          | 15             | 2974/4086 |
|                    |      |      | Nov   | CL             | 9              | 3840/5665 |
|                    |      |      | Dec   | CC+CL          | 5              | 528/820   |
|                    | 30   | OTB  | Oct   | CL             | 1              | 105/131   |
|                    |      |      | Dec   | CC             | 1              | 103/100   |
|                    | 3Ps  | OTB  | Nov   | CL             | 1              | 213/245   |
|                    | 4Vs  | OTB  | Apr   | CL             | 1              | 182/127   |
| Greenland halibut  | 2H   | GN   | Oct   | CL             | 5              | 480/981   |
|                    | 3K   | OTB  | Feb   | CL             | 1              | 78/110    |
|                    |      |      | Mar   | CL             | 4              | 749/861   |
|                    |      |      | Apr   | CL             | 2              | 214/268   |
|                    |      |      | May   | CC             | 1              | 110/96    |
|                    |      | GN   | Jun   | CL             | 4              | 214/391   |
|                    |      |      | Jul   | CL             | 17             | 2166/3227 |
|                    |      |      | Sep   | CL             | 6              | 992/1124  |
|                    |      |      | Oct   | CL             | 5              | 782/1042  |
|                    | 3L   | OTB  | May   | CL             | 1              | 252/299   |
|                    |      | GN   | May   | CL             | 7              | 905/1233  |
|                    |      |      | Sep   | CL             | 7              | 918/1116  |
|                    |      |      | Oct   | CL             | 2              | 81/1119   |
|                    | 3Ps  | SN   | Sep   | CL             | 1              | 111/142   |
|                    | 4R   | OTB  | Feb   | CL             | 2              | 379/200   |
|                    |      |      | Mar   | CC+CL          | 2              | 160/244   |
|                    | 4S   | OTB  | Feb   | CC             | 2              | 202/176   |
| Squid <i>Illex</i> | 3K   | LHM  | Aug   | CL             | 5              | 394/655   |
|                    |      |      | Sep   | CL             | 4              | 396/627   |
|                    |      |      | Oct   | CL             | 1              | 82/161    |
|                    | 3L   | LHM  | Jul   | CL             | 1              | 180/61    |
|                    |      |      | Aug   | CL             | 3              | 491/296   |
|                    |      |      | Sep   | CL             | 5              | 322/553   |
|                    |      |      | Oct   | CL             | 2              | 87/326    |
|                    | 4R   | LHM  | Sep   | CL             | 1              | 89/146    |
|                    |      |      | Oct   | CL             | 2              | 185/352   |



| Species            | Div. | Gear | Month | Type of Sample | Length samples |                     |
|--------------------|------|------|-------|----------------|----------------|---------------------|
|                    |      |      |       |                | No.            | No. meas.           |
| <u>Cuba</u>        |      |      |       |                |                |                     |
| Cod                | 3M   | OTB  | Apr   | CC             | 1              | 253                 |
| Redfish            | 3M   | OTB  | Apr   | CC             | 12             | 2355/2677           |
|                    |      | OTM  | Apr   | CC             | 31             | (221)<br>3748/4649  |
|                    |      | May  | CC    | 10             | 1333/1584      |                     |
|                    | 3N   | OTB  | Mar   | CC             | 10             | 1679/1682           |
|                    |      |      | Jun   | CC             | 11             | (3046)<br>223/227   |
|                    | 3O   | OTB  | May   | CC             | 13             | 3517                |
|                    |      |      | Jun   | CC             | 22             | (7112)<br>2339/2281 |
|                    |      | OTM  | Apr   | CC             | 1              | 294                 |
| Silver hake        | 4W   | OTB  | Apr   | CC             | 7              | 1148/1234           |
|                    |      |      | Jun   | CC             | 3              | 472/610             |
|                    |      |      | Jul   | CC             | 20             | 2781/3385           |
|                    |      |      | Aug   | CC             | 17             | 2278/2566           |
|                    | 6A   | OTB  | Mar   | CC             | 8              | 913/931             |
| Mackerel           | 6A   | OTB  | Mar   | CC             | 4              | 533/559             |
| Squid <i>Illex</i> | 4W   | OTB  | Jul   | CC             | 9              | 1112/1184           |
|                    |      |      | Aug   | CC             | 7              | 804/746             |
| <hr/>              |      |      |       |                |                |                     |
| <u>Denmark (G)</u> |      |      |       |                |                |                     |
| Cod                | 1B   | OTB  | Feb   | CC+CL          | 2              | 1282                |
|                    |      |      | Mar   | CL             | 1              | 1006                |
|                    |      |      | Nov   | CL             | 1              | 1926                |
|                    |      | FPN  | May   | CL             | 1              | 551                 |
|                    | 1C   | OTB  | Feb   | CL             | 1              | 1040                |
|                    | 1D   | OTB  | Feb   | CC             | 1              | 37                  |
|                    |      |      | Jun   | CL             | 1              | 1508                |
|                    |      |      | Sep   | CC             | 1              | 46                  |
|                    |      |      | Oct   | CL             | 1              | 1384                |
|                    |      |      | Dec   | CL             | 1              | 1362                |
|                    |      | GN   | Aug   | CC             | 1              | 77                  |
|                    |      |      | Sep   | CL+CC          | 2              | 37                  |
|                    |      | LL   | Nov   | CC+CL          | 2              | 1346                |
|                    | LHP  |      | Jan   | CC             | 1              | 49                  |
|                    |      |      | Feb   | CC             | 1              | 68                  |
|                    |      |      | Mar   | CC             | 1              | 95                  |
|                    |      |      | Jun   | CL             | 1              | 1845                |
|                    |      |      | Jul   | CC+CL          | 3              | 1019                |
|                    |      |      | Aug   | CL+CC          | 2              | 102                 |
|                    |      |      | Oct   | CC             | 2              | 358                 |
|                    |      | FPN  | May   | CL             | 2              | 2270                |
|                    |      |      | Jun   | CL+CC          | 3              | 2365                |
|                    |      |      | Jul   | CL             | 1              | 944                 |

| Species           | Div.              | Gear | Month | Type of Sample | Length samples |           |
|-------------------|-------------------|------|-------|----------------|----------------|-----------|
|                   |                   |      |       |                | No.            | No. meas. |
| Cod (continued)   | 1E                | OTB  | Jan   | CL             | 1              | 1231      |
|                   |                   |      | Apr   | CL             | 1              | 1531      |
|                   |                   |      | May   | CL             | 1              | 515       |
|                   |                   | GN   | Sep   | CL             | 1              | 622       |
|                   |                   |      | LHP   | Ju1            | CC             | 1         |
|                   |                   | Oct  |       | CC             | 1              | 96        |
|                   |                   | FPN  | Jun   | CL             | 1              | 1155      |
|                   |                   |      | Ju1   | CL             | 1              | 1031      |
|                   |                   |      | Sep   | CL             | 1              | 1643      |
|                   |                   | LHP  | Sep   | CL             | 1              | 2363      |
|                   |                   |      | Oct   | CL             | 1              | 641       |
| Redfish           | 1C                | OTB  | Feb   | CL             | 1              | 441/432   |
|                   | 1D                | OTB  | Nov   | CL             | 1              | 1126      |
| A. Plaice         | 1B                | OTB  | May   | CL             | 1              | 444       |
| Greenland halibut | 1B                | OTB  | May   | CL             | 1              | 131       |
|                   | 1D                | GN   | Oct   | CL             | 1              | 1202      |
| Atlantic halibut  | 1D                | OTB  | Nov   | CL             | 1              | 226       |
| Wolffish          | 1D                | OTB  | Feb   | CL             | 1              | 656       |
|                   |                   |      | Nov   | CL             | 1              | 795       |
| Spotted wolffish  | 1D                | OTB  | Feb   | CL             | 1              | 146       |
|                   |                   |      | Nov   | CL             | 1              | 277       |
| Redfish           | 1A                | OTB  | Aug   | RC             | 3              | 982       |
|                   | 1B                | OTB  | Aug   | RC             | 9              | 2887      |
|                   | 1D                | OTB  | Feb   | RC             | 1              | 269/262   |
|                   |                   |      | Mar   | RC             | 1              | 12/3      |
|                   | LHP               | Feb  | RC    | 1              | 47/62          |           |
| A. Plaice         | 1A                | OTB  | Aug   | RC             | 2              | 105       |
|                   |                   |      | Sep   | RC             | 2              | 69        |
|                   |                   | LL   | Sep   | RC             | 1              | 152       |
|                   | 1B                | OTB  | Aug   | RC             | 2              | 101       |
|                   | 1D                | OTB  | Mar   | RC             | 4              | 93/151    |
|                   |                   |      | Dec   | RC             | 2              | 83        |
|                   | 1E                | OTB  | Apr   | RC             | 1              | 11/10     |
|                   | Greenland halibut | 1A   | OTB   | Ju1            | RC             | 2         |
| Aug               |                   |      |       | RC             | 5              | 8558      |
| Sep               |                   |      |       | RC             | 1              | 154       |
| LL                |                   | Sep  | RC    | 1              | 68             |           |
| 1B                |                   | OTB  | Aug   | RC             | 8              | 2630      |
| 1D                |                   | OTB  | Feb   | RC             | 2              | 486       |
|                   |                   |      | Mar   | RC             | 3              | 28/53     |
|                   | Dec               |      | RC    | 2              | 200            |           |

| Species                          | Div. | Gear | Month              | Type of Sample | Length samples |                  |
|----------------------------------|------|------|--------------------|----------------|----------------|------------------|
|                                  |      |      |                    |                | No.            | No. meas.        |
| Greenland halibut<br>(continued) |      | LL   | Jan<br>Feb         | RC<br>RC       | 5<br>1         | 22/138<br>9/50   |
| <hr/>                            |      |      |                    |                |                |                  |
|                                  |      |      | <u>France (M)</u>  |                |                |                  |
| Cod                              | 3Pn  | OTB  | Feb                | CC             | 1              | 196              |
|                                  | 4R   | OTB  | 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             |
| Redfish                          | 4R   | OTB  | Jan                | CC             | 1              | 204              |
|                                  |      |      | Mar                | CC             | 1              | 254              |
| <hr/>                            |      |      |                    |                |                |                  |
|                                  |      |      | <u>France (SP)</u> |                |                |                  |
| Cod                              | 4Vn  | OTB  | Apr                | CL             | 2              | 412              |
| A. Plaice                        | 4Vn  | OTB  | Apr                | CL             | 1              | 22/134           |
| <hr/>                            |      |      |                    |                |                |                  |
|                                  |      |      | <u>Japan</u>       |                |                |                  |
| Butterfish                       | 5Zw  | OTB  | Jan                | CC             | 2              | 197              |
|                                  |      |      | Feb                | CC             | 1              | 100              |
| Argentine                        | 4W   | OTB  | Aug                | CC             | 1              | 102              |
|                                  |      |      | Sep                | CC             | 1              | 91/110           |
|                                  |      |      | Oct                | CC             | 1              | 161              |
|                                  | 4X   | OTB  | Aug                | CC             | 8              | (595)<br>303/700 |
|                                  |      |      | Sep                | CC             | 4              | 373/423          |
|                                  |      |      |                    |                |                | (361)            |
|                                  |      |      | Oct                | CC             | 4              | 153/251          |
|                                  |      |      | Nov                | CC             | 3              | 277/318          |
| Squid <i>Loligo</i>              | 5Ze  | OTB  | Jan                | CC             | 1              | 101/101          |
|                                  |      |      |                    |                |                | (99)             |
|                                  |      |      | Feb                | CC             | 2              | 91/110           |
|                                  |      |      | Nov                | CC             | 1              | 200              |
|                                  | 5Zw  | OTB  | Jan                | CC             | 3              | (200)<br>91/113  |
|                                  |      |      | Feb                | CC             | 2              | (98)<br>106/94   |
|                                  | 6A   | OTB  | Feb                | CC             | 2              | 200              |
|                                  |      |      | Mar                | CC             | 1              | 100              |
|                                  | 6B   | OTB  | Feb                | CC             | 1              | 100              |
|                                  |      |      |                    |                |                | (200)            |
|                                  |      |      | Nov                | CC             | 3              | 201/200          |
|                                  |      |      | Dec                | CC             | 4              | 795              |
| Squid <i>Illex</i>               | 4W   | OTB  | Jul                | CC             | 1              | 198              |
|                                  |      |      | Aug                | CC             | 4              | 436/346          |
|                                  |      |      | Sep                | CC             | 4              | 485/355          |
|                                  |      |      | Oct                | CC             | 2              | 121/103          |
|                                  |      |      | Nov                | CC             | 1              | 97/103           |

| Species                        | Div. | Gear | Month | Type of Sample | Length samples |                  |
|--------------------------------|------|------|-------|----------------|----------------|------------------|
|                                |      |      |       |                | No.            | No. meas.        |
| Squid <i>Illex</i> (continued) | 4X   | OTB  | Aug   | CC             | 6              | (300)<br>353/449 |
|                                |      |      | Sep   | CC             | 11             | (596)<br>848/757 |
|                                |      |      | Oct   | CC             | 8              | (400)<br>625/582 |
|                                |      |      | Nov   | CC             | 6              | (207)<br>464/540 |
|                                | 6B   | OTB  | Dec   | CC             | 1              | 84/116           |
| <hr/>                          |      |      |       |                |                |                  |
| <u>Poland</u>                  |      |      |       |                |                |                  |
| Cod                            | 2J   | OTB  | Feb   | CC             | 6              | 5830             |
| Witch                          | 3K   | OTB  | Mar   | CC             | 20             | 5517/6099        |
| Squid <i>Illex</i>             | 4W   | OTM  | Aug   | CC             | 15             | 3237/2731        |
| <hr/>                          |      |      |       |                |                |                  |
| <u>Romania</u>                 |      |      |       |                |                |                  |
| Red hake                       | 5Ze  | OTB  | Oct   | CC             | 1              | 115/111          |
| Mackerel                       | 6B   | OTB  | Oct   | CC             | 1              | 81/61            |
| Butterfish                     | 5Zw  | OTB  | Oct   | CC             | 1              | 82/116           |
| Squid <i>Illex</i>             | 5Ze  | OTB  | Oct   | CC             | 2              | 156/249          |
|                                | 6A   | OTB  | Oct   | CC             | 1              | 104/94           |
|                                | 6B   | OTB  | Oct   | CC             | 2              | 177/162          |
| <hr/>                          |      |      |       |                |                |                  |
| <u>USSR</u>                    |      |      |       |                |                |                  |
| Haddock                        | 4W   | OTB  | Jul   | CC             | 1              | 148              |
|                                |      |      | Aug   | CC             | 4              | 899              |
|                                | 4X   | OTB  | Jul   | CC             | 1              | 81               |
| Silver hake                    | 4W   | OTB  | May   | CC             | 86             | 7454/9874        |
|                                |      |      | Jun   | CC             | 95             | 8878/10149       |
|                                |      |      | Jul   | CC             | 107            | 10212/12806      |
|                                |      |      | Aug   | CC             | 76             | 7427/8872        |
|                                |      |      | Sep   | CC             | 2              | 163/236          |
|                                | 4X   | OTB  | May   | CC             | 13             | 1279/1321        |
|                                |      |      | Jun   | CC             | 10             | 703/1315         |
|                                |      |      | Jul   | CC             | 7              | 679/822          |
| Greenland halibut              | 2G   | OTB  | Aug   | CC             | 2              | 142/261          |
|                                |      |      | Oct   | CC             | 3              | 686/126          |
|                                |      |      | Nov   | CC             | 8              | 1155/321         |
|                                |      |      | Dec   | CC             | 1              | 123/88           |
| Roundnose grenadier            | 2G   | OTB  | Nov   | CC             | 3              | 329/142          |
| Atlantic mackerel              | 4W   | OTB  | May   | CC             | 5              | 644              |
| Argentine                      | 4X   | OTB  | May   | CC             | 4              | 798              |
| Capelin                        | 2J   | OTM  | Sep   | CC             | 1              | 157/302          |
|                                |      |      | Oct   | CC             | 3              | 380/514          |

| Species            | Div. | Gear | Month | Type of Sample | Length samples |           |
|--------------------|------|------|-------|----------------|----------------|-----------|
|                    |      |      |       |                | No.            | No. meas. |
| Squid <i>Illex</i> | 4W   | OTB  |       |                |                | (200)     |
|                    |      |      | Jun   | CC             | 6              | 480/420   |
|                    |      |      | Jul   | CC             | 10             | 988/912   |
|                    |      |      | Aug   | CC             | 18             | 1895/1653 |

Summary of Sampling Data for 1980 Collected Through the Scientific Observer Program and Reported by Canada (Newfoundland).

| Species           | Div. | Gear | Month                    | Type of Sample | Length samples |           |
|-------------------|------|------|--------------------------|----------------|----------------|-----------|
|                   |      |      |                          |                | No.            | No. meas. |
|                   |      |      | <u>Canada (M)</u>        |                |                |           |
| Cod               | 2J   | OTB  | Nov                      | CC             | 2              | 453       |
| Greenland halibut | 2H   | OTB  | Aug                      | DI             | 1              | 95/130    |
|                   |      |      | Nov                      | CC             | 15             | 2206/1301 |
|                   |      |      | Dec                      | CC             | 2              | 279/181   |
|                   |      |      | <u>Cuba</u>              |                |                |           |
| Cod               | 3K   | OTB  | Mar                      | CC             | 1              | 290       |
|                   |      |      | <u>France (M)</u>        |                |                |           |
| Cod               | 3L   | OTB  | May                      | CC             | 13             | 3128      |
|                   |      |      | Jun                      | CC             | 1              | 211       |
|                   | 3Pn  | OTB  | Feb                      | CC             | 8              | 1963      |
|                   | 4R   | OTB  | Jan                      | CC             | 75             | 20225     |
|                   |      |      | Feb                      | CC             | 19             | 5128      |
|                   |      |      | Mar                      | CC             | 18             | 4300      |
|                   |      |      | Apr                      | CC             | 49             | 12059     |
|                   |      |      | May                      | CC             | 5              | 1043      |
|                   |      |      | OTM                      | May            | CC             | 3         |
| Haddock           | 4R   | OTB  | Jan                      | CC             | 3              | 348       |
|                   |      |      | Feb                      | CC             | 1              | 247       |
| Redfish-beaked    | 4R   | OTB  | Jan                      | CC             | 4              | 366/388   |
|                   |      |      | Feb                      | CC             | 2              | 164/249   |
| A. Plaice         | 4R   | OTB  | Jan                      | CC+DI          | 2              | 18/26     |
|                   |      |      | <u>France (SP)</u>       |                |                |           |
| Cod               | 3Pn  | OTB  | Feb                      | CC             | 2              | 425       |
|                   | 4R   | OTB  | Feb                      | CC             | 1              | 258       |
|                   |      |      | <u>Fed. Rep. Germany</u> |                |                |           |
| Cod               | 2H   | OTB  | Mar                      | CC             | 1              | 294       |
|                   |      |      | Dec                      | CC             | 15             | 3658      |
|                   | 2J   | OTB  | Feb                      | CC             | 18             | 3944      |
|                   |      |      | Mar                      | CC             | 26             | 7678      |
|                   |      |      | Apr                      | CC             | 28             | 7236      |
|                   |      |      | May                      | CC             | 2              | 339       |

| Species                 | Div. | Gear | Month      | Type of Sample | Length samples |             |
|-------------------------|------|------|------------|----------------|----------------|-------------|
|                         |      |      |            |                | No.            | No. meas.   |
| <u>German Dem. Rep.</u> |      |      |            |                |                |             |
| Cod                     | 2H   | OTB  | Dec        | CC             | 8              | 1792        |
|                         | 2J   | OTB  | Mar        | CC             | 3              | 807         |
|                         | 3K   | OTB  | Mar        | CC             | 4              | 1125        |
|                         |      |      | Oct        | CC             | 1              | 123         |
| Greenland halibut       | 2H   | OTB  | Oct        | CC             | 2              | 58/79       |
| <u>Japan</u>            |      |      |            |                |                |             |
| Cod                     | 3L   | OTB  | Nov        | CC             | 11             | 2063        |
|                         |      |      | Dec        | CC             | 13             | 2811        |
| <u>Norway</u>           |      |      |            |                |                |             |
| Cod                     | 2J   | OTB  | May        | CC             | 2              | 442         |
|                         | 3K   | OTB  | Apr        | CC             | 18             | 4098        |
| A. Plaice               | 3K   | OTB  | Apr        | CC             | 1              | 119/89      |
| Greenland halibut       | 3K   | OTB  | Apr        | CC             | 1              | 67/148      |
| <u>Poland</u>           |      |      |            |                |                |             |
| Cod                     | 2H   | OTB  | Jul        | CC             | 5              | 1104        |
|                         | 2J   | OTB  | Feb        | CC             | 14             | 4038        |
|                         | 3K   | OTB  | Jul        | CC             | 3              | 468         |
|                         |      |      | Oct        | CC             | 1              | 68          |
|                         | 3M   | OTB  | Aug<br>Sep | CC<br>CC       | 15<br>1        | 3429<br>243 |
| Witch                   | 3K   | OTB  | Feb        | CC             | 2              | 170/130     |
|                         |      |      | Mar        | CC             | 39             | 6364/7669   |
|                         |      |      | Apr        | CC             | 30             | 3548/6111   |
|                         |      |      | May        | CC             | 4              | 246/226     |
|                         |      |      | Jun        | CC             | 1              | 33/20       |
| Greenland halibut       | 3K   | OTB  | Jun        | CC             | 6              | 306/279     |
|                         |      |      | Jul        | CC             | 1              | 62/13       |
| <u>Portugal</u>         |      |      |            |                |                |             |
| Cod                     | 2H   | OTB  | Dec        | CC             | 3              | 629         |
|                         | 2J   | OTB  | Feb        | CC             | 42             | 9505        |
|                         |      |      | Apr        | CC             | 22             | 6294        |
|                         | GN   |      | Jul        | CC             | 6              | 1532        |
|                         |      |      | Aug        | CC             | 7              | 1914        |
|                         |      |      | Sep        | CC             | 14             | 2958        |
|                         |      |      | Oct        | CC             | 2              | 409         |
|                         | 3K   | OTB  | Feb        | CC             | 9              | 2097        |
|                         |      |      | Mar        | CC             | 1              | 200         |
|                         |      |      | Nov        | CC             | 2              | 347         |

| Species           | Div.      | Gear | Month        | Type of Sample | Length samples |           |
|-------------------|-----------|------|--------------|----------------|----------------|-----------|
|                   |           |      |              |                | No.            | No. meas. |
| Cod (continued)   | 3L        | OTB  | Feb          | CC             | 13             | 4170      |
|                   |           |      | Mar          | CC             | 13             | 3636      |
|                   |           |      | Oct          | CC             | 12             | 2604      |
|                   |           |      | Nov          | CC             | 73             | 17351     |
|                   |           |      | Dec          | CC             | 32             | 7785      |
|                   |           | GN   | Jun          | CC             | 21             | 4433      |
|                   |           |      | Jul          | CC             | 63             | 14884     |
|                   |           |      | Aug          | CC             | 30             | 8219      |
|                   |           |      | Sep          | CC             | 27             | 6579      |
|                   |           |      | Oct          | CC             | 29             | 8554      |
|                   | 3M        | GN   | Jul          | CC             | 10             | 1225      |
|                   |           |      | Aug          | CC             | 11             | 2416      |
|                   | 3N        | GN   | May          | CC             | 1              | 166       |
|                   |           |      | Jun          | CC             | 5              | 700       |
|                   |           |      | Jul          | CC             | 17             | 4411      |
|                   |           |      | Aug          | CC             | 37             | 8225      |
|                   |           |      | Sep          | CC             | 9              | 1669      |
|                   | 3O        | GN   | Mar          | CC             | 1              | 93        |
|                   |           |      | Jul          | CC             | 4              | 871       |
|                   |           |      | Sep          | CC             | 3              | 610       |
| Haddock           | 3O        | GN   | Sep          | CC             | 1              | 204       |
| Redfish-beaked    | 3K        | OTB  | Feb          | CC             | 2              | 102/94    |
|                   | 3L        | OTB  | Mar          | CC             | 2              | 197/136   |
| A. Plaice         | 3K        | OTB  | Feb          | CC             | 1              | 4/37      |
|                   | 3N        | GN   | Jun          | CC             | 7              | 1096/506  |
| Greenland halibut | 2J        | GN   | Jul          | CC             | 4              | 366/548   |
|                   |           |      | Aug          | CC             | 3              | 304/516   |
|                   |           |      | Sep          | CC             | 1              | 66/112    |
| <hr/>             |           |      |              |                |                |           |
|                   |           |      | <u>Spain</u> |                |                |           |
| Cod               | 3K        | PTM  | May          | CC             | 36             | 10159     |
|                   |           |      |              |                |                |           |
|                   | 3L        | PTM  | May          | CC             | 11             | 2690      |
|                   |           |      | Jun          | CC             | 39             | 9953      |
|                   |           |      | Jul          | CC             | 3              | 744       |
|                   |           |      | Oct          | CC             | 14             | 3447      |
|                   |           |      | Nov          | CC             | 9              | 2047      |
|                   | 3N        | PTM  | May          | CC             | 9              | 2303      |
|                   |           |      | Jun          | CC             | 7              | 1783      |
|                   |           |      | Jul          | CC             | 2              | 153       |
|                   |           |      | Aug          | CC             | 13             | 2985      |
|                   |           |      | Oct          | CC             | 2              | 251       |
|                   |           |      | Nov          | CC             | 5              | 740       |
|                   | 3O        | PTM  | Jun          | CC             | 56             | 12937     |
|                   |           |      | Jul          | CC             | 10             | 2231      |
|                   |           |      | Aug          | CC             | 2              | 421       |
|                   |           |      | Sep          | CC             | 5              | 1167      |
|                   |           |      | Oct          | CC             | 30             | 7321      |
|                   |           |      | Nov          | CC             | 11             | 2588      |
|                   | A. Plaice | 3L   | PTM          | May            | CC+DI          | 2         |
| Jun               |           |      |              | CC+DI          | 4              | 226/174   |

| Species               | Div. | Gear | Month | Type of Sample | Length samples |           |
|-----------------------|------|------|-------|----------------|----------------|-----------|
|                       |      |      |       |                | No.            | No. meas. |
| A. Plaice (continued) | 3N   | PTM  | May   | DI             | 5              | 185/549   |
|                       |      |      | Jun   | CC+DI          | 4              | 82/240    |
|                       | 3O   | PTM  | Jun   | CC+DI          | 3              | 76/107    |
| Yellowtail            | 3L   | PTM  | May   | CC+DI          | 2              | 82/126    |
|                       |      |      | Jun   | CC             | 2              | 133/103   |
|                       | 3N   | PTM  | Jun   | CC+DI          | 2              | 38/84     |
|                       |      |      | Aug   | DI             | 2              | 123/143   |
|                       |      |      | Nov   | DI             | 1              | 76/134    |
|                       | 3O   | PTM  | Jun   | DI             | 10             | 700/700   |
| -----                 |      |      |       |                |                |           |
| USSR                  |      |      |       |                |                |           |
| Cod                   | 3K   | OTB  | Nov   | CC             | 1              | 57        |
|                       |      |      | Dec   | CC             | 2              | 114       |
| Witch                 | 3K   | OTB  | Dec   | CC             | 1              | 13/29     |
| Greenland halibut     | OB   | OTB  | Oct   | CC             | 9              | 1776/336  |
|                       |      |      | Nov   | CC             | 24             | 4145/1231 |
|                       |      |      | Dec   | CC             | 20             | 2524/1544 |
|                       | 2J   | OTB  | Dec   | CC             | 1              | 85/51     |
|                       | 3K   | OTB  | Nov   | CC             | 1              | 18/34     |
|                       |      |      | Dec   | CC             | 1              | 42/36     |
| -----                 |      |      |       |                |                |           |
| United Kingdom        |      |      |       |                |                |           |
| Cod                   | 2J   | PTM  | May   | CC             | 20             | 6704      |