

Northwest Atlantic



Fisheries Organization

Serial No. N1114

NAFO SCS Doc. 86/3

SCIENTIFIC COUNCIL MEETING - JUNE 1986

Tagging Activities Reported for the Northwest Atlantic in 1985

Compiled by

NAFO Secretariat

1. Tagging Activities in 1985

At the 1974 Annual Meeting of ICNAF's Standing Committee on Research and Statistics, it was recommended that fisheries laboratories be requested to report to the Secretariat details of tag releases in the Northwest Atlantic and that the Secretariat promptly circulate the information and also collate the material received each year for presentation to the Annual Meeting. Tagging information provided for 1975 to 1984 were compiled and presented in ICNAF Sum. Doc. 76/VI/28, 77/VI/19, 78/VI/19, 79/VI/21 and NAFO SCS Doc. 80/VI/7, 81/VI/6, 82/VI/4, 83/VI/8, 84/VI/5 and 85/4 respectively.

Information received at the Secretariat regarding tagging carried out during 1985 were circulated during 1985 and early 1986 in NAFO Circular Letters 85/50, 85/64, 85/72, 85/73, 85/74, 85/78, 85/83 and 86/10, 86/11 and 86/21. Each of the circular letters contained a reminder that reports on tag releases should be forwarded to the Secretariat as soon as possible after the tagging was carried out.

A summary of tagging activity in 1985 by species, country and area is given in Table 1, and details of 1985 tagging are given in Table 2. The ranges of serial numbers listed do not always reflect the precise number of tags used, as the national reports sometimes indicated that a few tags were missing from the series used.

The countries and fisheries laboratories which reported tagging activities in 1985 are as follows:

- CANADA (M) (Scotia-Fundy) - Department of Fisheries and Oceans  
Biological Station  
St. Andrews, New Brunswick  
Canada E0G 2X0
- Department of Fisheries and Oceans  
Marine Invertebrates Division  
P. O. Box 550, Halifax, Nova Scotia  
Canada B3J 2S7
- (Gulf Region) - Department of Fisheries and Oceans  
Fisheries Research Branch  
P. O. Box 5030, Moncton, New Brunswick  
Canada E1C 9B6
- CANADA (N) - Department of Fisheries and Oceans  
Northwest Atlantic Fisheries Centre  
P. O. Box 5667, St. John's, Newfoundland  
Canada A1C 5X1
- CANADA (Q) - Department of Fisheries and Oceans  
Fisheries Research Branch  
P. O. Box 15500, Quebec City, Quebec  
Canada G1K 7Y7
- Min. Agriculture, Pecheries et Alimentation  
818, Boulevard, Laure, Sept.-Iles, Quebec  
Canada G4R 1Y8

Table 1. Summary of available tagging information for 1985.

| Species             | Country    | Areas      | No. of Tags |
|---------------------|------------|------------|-------------|
| Atlantic cod        | Canada (N) | 2J, 3K, 3L | 6,330       |
|                     | Canada (M) | 4X, 5Y, 5Z | 9,321       |
|                     | Canada (Q) | 4R, 4S     | 6,537       |
| Haddock             | Canada (M) | 4X, 5Y, 5Z | 15,646      |
| Yellowtail flounder | Canada (M) | 4X         | 67          |
| Winter flounder     | Canada (M) | 4X         | 573         |
| Atlantic herring    | Canada (Q) | 4S         | 3,454       |
| Atlantic salmon     | Canada (N) | 3N         | 4           |
|                     | Canada (M) | 4T         | 34,474      |
| American shad       | Canada (M) | 4X         | 10,000      |
| Sea scallop         | Canada (M) | 4X         | 13,600      |
| Queen crab          | Canada (Q) | 4T         | 6,000       |
| Red crab            | Canada (M) | 4X         | 1,355       |
| American lobster    | Canada (M) | 4X         | 5,301       |
| Squid               | Canada (N) | 3L         | 980         |

Table 2. List of tagging activities reported to the Secretariat for 1985.

| Species                                 | Country    | Div.              | Location or position | Dates                         | Types of tags used            | Range of Serial Numbers     | No. of tags     |                 |               |
|---|------------|-------------------|----------------------|-------------------------------|-------------------------------|-----------------------------|-----------------|-----------------|---------------|
| Atlantic cod<br>( <i>Gadus morhua</i> ) | Canada (N) | 2J                | Seal Island          | Jul 17-27                     | Yellow T-bar                  | H16701-H16811               | 106             |                 |               |
|   |            |                   | 53°12'N 55°36'W      |                               | Orange T-bar                  | J16901-J17000               | 100             |                 |               |
|   |            |                   | American Point       | 53°23'N 55°46'W               | Jul 28-29                     | Double dangler              | 84-0700-84-0799 | 100             |               |
|   |            | Petersen disc     |                      |                               |                               | L11550-L11649               | 100             |                 |               |
|   |            |                   | Battle Hr.           | 52°18'N 55°36'W               | Aug 02-05                     | Yellow T-bar                | H16812-H16950   | 139             |               |
|   |            | Orange T-bar      |                      |                               |                               | J17001-J17150               | 150             |                 |               |
|   |            |                   |                      |                               |                               | Double dangler              | 84-0800-84-0949 | 150             |               |
|   |            | Petersen disc     |                      |                               |                               | L11650-L11799               | 150             |                 |               |
|   |            |                   |                      |                               |                               | Yellow T-bar                | H16951-H17050   | 100             |               |
|   |            | Orange T-bar      |                      |                               |                               | J17151-J17250               | 99              |                 |               |
|   |            |                   |                      |                               |                               | Double dangler              | 84-0950-84-1049 | 100             |               |
|   |            | Petersen disc     |                      |                               |                               | L11800-L11899               | 100             |                 |               |
|   |            |                   | 3K                   | Off Fogo                      | 50°04'N 53°22'W               | Jun 14-15                   | Double dangler  | 84-0400-84-0699 | 300           |
|   |            | Petersen disc     |                      |                               |                               |                             | L11250-L11549   | 300             |               |
|   |            |                   |                      |                               |                               |                             | Yellow T-bar    | H16426-H16500   | 75            |
|   |            | Orange T-bar      |                      |                               |                               |                             | J16401-J16700   | 297             |               |
|   |            |                   | 3L                   | Central Grand Bank            | 47°07'N 50°15'W               | Jun 2-3                     | Double dangler  | 82-4600-82-4885 | 285           |
|   |            | Petersen disc     |                      |                               |                               |                             | L10450-L10699   | 250             |               |
|   |            |                   |                      | Off Cape Bonavista            | 49°00'N 52°40'W               | Jun 9-12                    | Yellow T-bar    | H15626-H15875   | 250           |
|   |            | Orange T-bar      |                      |                               |                               |                             | J15601-J15850   | 248             |               |
|   |            |                   |                      |                               | Double dangler                | 82-4886-82-4999             | 114             |                 |               |
| Petersen disc                           |            |                   |                      |                               | 84-0000-84-0399               | 399                         |                 |                 |               |
|   |            |                   |                      |                               | Yellow T-bar                  | L10700-L11249               | 549             |                 |               |
| Orange T-bar                            |            |                   |                      |                               | H15876-H16425                 | 547                         |                 |                 |               |
|   |            |                   |                      |                               | Orange T-bar                  | J15851-J16400               | 550             |                 |               |
|   |            |                   |                      |                               | Conception Bay                |                             | Jul 24          | Yellow T-bar    | H16501-H16700 |
|   | Jul 26     | Orange T-bar      | J16701-J16900        | 198                           |                               |                             |                 |                 |               |
|   |            |                   | Jul 31               | Yellow T-bar                  | SA9001-SA9550                 | 385                         |                 |                 |               |
|   | Canada (M) | 4X                | 42°30'N 65°43'W      | Feb 27-Mar 02                 | T-bar yellow spaghetti type   | C81001-C84000               | 3000            |                 |               |
|   |            |                   | 42°35'N 66°11'W      | Mar 05-07                     | " " " "                       | C84501-C87500               | 3000            |                 |               |
|   |            |                   | 44°19'N 66°25'W      | Jul 24                        | " " " "                       | Z04001-Z04066               | 66              |                 |               |
|   |            |                   | 44°32'N 66°04'W      | Jul 25                        | " " " "                       | Z04101-Z04175               | 75              |                 |               |
|   |            |                   | 44°48'N 65°55'W      | Jul 26-30                     | " " " "                       | Z04176-Z04250               | 75              |                 |               |
|   |            |                   | 44°38'N 66°39'W      | Jul 29-30                     | " " " "                       | Z04601-Z05000               | 399             |                 |               |
|   |            |                   |                      |                               |                               | (less 1 tag not used)       |                 |                 |               |
|   |            |                   | 44°36'N 66°37'W      | Jul 30-31                     | " " " "                       | Z06001-Z07000               | 1000            |                 |               |
|   |            |                   | 44°41'N 66°40'W      | Nov 05-Dec 06                 | Orange spaghetti type         | M16828-16915                | 82              |                 |               |
|   |            |                   | 45°58'N 67°01'W      |                               | " " " "                       | (less 6 tags not used)      |                 |                 |               |
|   |            |                   |                      |                               | " " " "                       | M32211-32483                | 95              |                 |               |
|   |            |                   |                      |                               | " " " "                       | (less 178 tags not used)    |                 |                 |               |
|   |            |                   |                      |                               | " " " "                       | M34105-34994                | 179             |                 |               |
|   |            |                   | " " " "              | (less 711 tags not used)      |                               |                             |                 |                 |               |
|   | 5Y         | {44°06'N 67°08'W} | Jul 28-29            | T-bar yellow spaghetti type   | Z04251-Z04600                 | 350                         |                 |                 |               |
|   |            | {44°09'N 67°07'W} |                      |                               |                               |                             |                 |                 |               |
|   | 5Z         | 41°55'N 66°10'W   | Mar 02-03            | " " " "                       | C84001-C84500                 | 500                         |                 |                 |               |
|   |            | 42°00'N 66°20'W   | Mar 17-20            | " " " "                       | C87501-C88000                 | 500                         |                 |                 |               |
|   | Canada (Q) | 4R                | Cow Head             | Jul 03                        | Anchoring FD-68-BC            | QB 9351-9391; QB 9393-9401; | 481             |                 |               |
|   |            |                   | {49°34'N 55°49'W}    |                               | Orange marked 'Pêches Canada' | QB 9626-9715; QB 9717-9898; |                 |                 |               |
|   |            |                   |                      |                               |                               | QB 9900-9972; QB 9977-9998; |                 |                 |               |
|   |            |                   |                      |                               |                               | QC 1-66                     |                 |                 |               |
|   |            |                   | River of Ponds       | Jul 05                        | Idem                          | QC 67-288; QC 290-336;      | 934             |                 |               |
|   |            |                   | {50°29'N 57°26'W}    |                               |                               | QC 338-364; QC 366-392;     |                 |                 |               |
|   |            |                   |                      | QC 394-400; QC 402-421,       |                               |                             |                 |                 |               |
|   |            |                   |                      | QC 423-431; QC 433-452 &      |                               |                             |                 |                 |               |
|   |            |                   |                      | 454-455; QC 457-463 & 467-    |                               |                             |                 |                 |               |
|   |            |                   |                      | 469; QC 472-483; QC 485-      |                               |                             |                 |                 |               |
|   |            |                   |                      | 487-501 & 503-504; QC 506-    |                               |                             |                 |                 |               |
|   |            |                   |                      | 511; QC 513-602; QC 604-832;  |                               |                             |                 |                 |               |
|   |            |                   |                      | QC 834-913; QC 915-1022       |                               |                             |                 |                 |               |
|   |            | Plum Point        | Jul 06               | Idem                          | QC 1026-2094; QB 9392;        | 1098                        |                 |                 |               |
|   |            | {51°02'N 56°49'W} |                      | QB 9716; QB 9899; QB 9973-    |                               |                             |                 |                 |               |
|   |            |                   |                      | 9976; QB 9999-10000; QC 289;  |                               |                             |                 |                 |               |
|   |            |                   |                      | QC 337; QC 365; QC 393;       |                               |                             |                 |                 |               |
|   |            |                   |                      | QC 401; QC 422; QC 432;       |                               |                             |                 |                 |               |
|   |            |                   |                      | QC 453; QC 456; QC 464-466    |                               |                             |                 |                 |               |
|   |            | Plum Point        | Jul 06               | Anchoring FD-68-BC            | QC 470-471; QC 484; QC 502;   | 304                         |                 |                 |               |
|   |            | {51°02'N 56°49'W} |                      | Orange marked 'Pêches Canada' | QC 505; QC 512; QC 603;       |                             |                 |                 |               |
|   |            |                   |                      | QC 833; QC 914                |                               |                             |                 |                 |               |
|   |            | Cook's Harbour    | Jul 10               | Idem                          | QC 2096-2400                  |                             |                 |                 |               |
|   |            | {51°34'N 55°49'W} |                      |                               |                               |                             |                 |                 |               |
|   | 4S         | Lat: 51°23'30"    | Long: 57°39'24"      | Jul 02                        | Spaghetti (red)               | M 09001-10842               | 1668            |                 |               |
|   |            |                   |                      | Jul 11                        | " "                           | M 02001-03000               | 2052            |                 |               |
|   |            |                   |                      | Jul 13                        | " "                           | M 07776-07800               |                 |                 |               |
|   |            | Lat: 51°22'36"    | Long: 57°12'00"      |                               |                               | M 11001-12000               |                 |                 |               |

Table 2. (continued)

| Species   | Country    | Div.            | Location or position   | Dates         | Types of tags used  | Range of Serial Numbers  | No. of tags |     |
|---|------------|-----------------|--|---------------|---|--|-------------|-----|
| Haddock<br>( <i>Melanogrammus aeglefinus</i> )              | Canada (M) | 4X              | 42°44'N 65°56'W  | Mar 12        | T-bar yellow spaghetti type                                       | C88001-C88225<br>(less 4 tags not used)                              | 221         |     |
|   |            |                 | 42°20'N 65°36'W  | Mar 13-15     | " " " "   | C88226-C91000  | 2774        |     |
|   |            |                 | 42°44'N 65°06'W  | Mar 22-24     | " " " "   | (less 1 tag not used)<br>C94001-C97000                               | 2996        |     |
|   |            |                 | 42°46'N 64°58'W  | Mar 30-Apr 1  | " " " "   | (less 4 tags not used)<br>C97001-C99000                              | 1999        |     |
|   |            |                 | " "  | " "           | " " " "   | (less 1 tag not used)<br>Z00001-Z01000                               | 999         |     |
|   |            |                 | 42°38'N 66°17'W  | Apr 02        | " " " "   | Z01001-Z01200  | 200         |     |
|   |            |                 | " "  | Apr 02-03     | " " " "   | Z01201-Z04000  | 2800        |     |
|   |            |                 | 42°44'N 65°56'W  | Mar 22-24     | " " " "   | M16651-M16825<br>(less 1 tag not used)                               | 174         |     |
|   |            |                 | 44°33'N 66°04'W  | Jul 25        | " " " "   | Z04067-Z04100  | 34          |     |
|   |            |                 | 44°32'N 66°04'W  | Jul 25        | " " " "   | Z05001-Z05100  | 100         |     |
| 44°38'N 66°39'W   | Jul 30-31  | " " " "         | Z05401-Z05450  | 50            |   |  |             |     |
|   | 5Y         | 44°41'N 66°40'W | Jul 28-29  | " " " "       | Z05101-Z05400<br>(less 1 tag not used)<br>Less tags Z05451-Z06000 | 299  |             |     |
|   | 5Z         | 42°00'N 66°20'W | Mar 17-20  | " " " "       | C91001-C94000   | 3000   |             |     |
| Yellowtail flounder<br>( <i>Limanda ferruginea</i> )        | Canada (M) | 4X              | 45°58'N 67°01'W  | Nov 05-Dec 06 | Orange spaghetti type   | M16826   | 1           |     |
|   |            |                 |  |               |   | M32209-32489   | 16          |     |
|   |            |                 |  |               |   | (less 265 tags not used)<br>M34109-34987<br>(less 829 tags not used) | 50          |     |
| Winter flounder<br>( <i>Pseudopleuronectes americanus</i> ) | Canada (M) | 4X              | 45°58'N 67°01'W  | Nov 05-Dec 06 | Orange spaghetti type   | M16827-16925   | 11          |     |
|   |            |                 |  |               |   | (less 88 tags not used)<br>M32176-32500                              | 207         |     |
|   |            |                 |  |               |   | (less 118 tags not used)<br>M34111-35000<br>(less 535 tags not used) | 355         |     |
| Atlantic herring<br>( <i>Clupea harengus</i> )              | Canada (Q) | 4S              | Harrington Harbour<br>(50°30'30"N, 59°27'54"W)               | Jul 24-Aug 16 | Anchoring FD68Bc, Yellow marked 'Pêches Canada'                   | 91,000-94496   | 3454        |     |
| Atlantic salmon<br>( <i>Salmo salar</i> )                   | Canada (N) | 3N              | Southeast Slope of Grand Bank                                | Feb 11-15     | Carlin (maroon color)   | X50000-X50003  | 4           |     |
|   | Canada (M) | 4T              | Rivers flowing to the southern Gulf of St. Lawrence          | May 21-23     | Microtags   | AGENCY 62  | 4490        |     |
|   |            |                 |  |               |   | Code 58/2  | 909         |     |
|   |            |                 |  |               |   | Blank  | 5308        |     |
|   |            |                 | Rivers flowing to the southern Gulf of St. Lawrence (P.E.I.) | May 21-30     | Adipose clip + Coded magnetic nose tags                           | AGENCY 62  | 3788        |     |
|   |            |                 | " "  | "             | Adipose clip only   | Code 2/23<br>Code 2/25<br>Blank                                      | 8249<br>685 |     |
|   |            |                 | " "  | "             | Adipose clip only   | -  | 11045       |     |
| American shad<br>( <i>Alosa sapidissima</i> )               | Canada (M) | 4X              | Minas Basin, Bay of Fundy                                    | Jun 01-Aug 15 | FTI dart tag, orange  | MD20001-30000  | 10000       |     |
| Sea scallop<br>( <i>Placopecten magellanicus</i> )          | Canada (M) | 4X              | 45°01'36" 66°54'44"  | Jan 22        | Spaghetti   | 25000-25199  | 200         |     |
|   |            |                 | " " " "  | "             | "   | 25800-25899  | 100         |     |
|   |            |                 | 45°04'43" 66°56'20"  | Jan 25        | "   | "  | 27200-27299 | 100 |
|   |            |                 | " " " "  | "             | "   | "  | 27700-27799 | 100 |
|   |            |                 | " " " "  | Jan 30        | "   | "  | 26100-26499 | 400 |
|   |            |                 | 45°03'43" 67°01'25"  | Mar 19        | "   | "  | 26600-26799 | 200 |
|   |            |                 | " " " "  | "             | "   | "  | 27000-27099 | 100 |
|   |            |                 | " " " "  | "             | "   | "  | 27800-27899 | 100 |
|   |            |                 | 45°03'31" 66°57'16"  | Mar 14        | "   | "  | 27400-27499 | 100 |
|   |            |                 | 45°03'07" 67°02'34"  | Mar 25        | "   | "  | 26550-26599 | 50  |
|   |            |                 | " " " "  | "             | "   | "  | 27900-28099 | 200 |
|   |            |                 | 45°10'45" 67°08'45"  | Apr 03        | "   | "  | 28100-28299 | 200 |
|   |            |                 | " " " "  | "             | "   | "  | 28400-28499 | 100 |
|   |            |                 | 45°58'32" 67°01'50"  | Apr 10        | "   | "  | 28300-38399 | 100 |
|   |            |                 | " " " "  | "             | "   | "  | 28500-28699 | 200 |
|   |            |                 | 45°12'30" 67°10'29"  | Apr 18        | "   | "  | 28700-28799 | 100 |
| " " " "   | "          | "               | "  | 28900-29199   | 300   |  |             |     |
| 45°08'00" 67°08'01"   | Apr 18     | "               | "  | 28800-28899   | 100   |  |             |     |
| 45°04'00" 66°48'20"   | Apr 30     | "               | "  | 29200-29299   | 100   |  |             |     |
| 45°07'11" 66°59'44"   | May 09     | "               | "  | 29300-29399   | 100   |  |             |     |

Table 2. (continued)

| Species  | Country       | Div. | Location or position                                     | Dates               | Types of tags used                 | Range of Serial Numbers   | No. of tags |
|--|---------------|------|--|---------------------|------------------------------------|---------------------------|-------------|
| Sea scallop<br>( <i>Placopecten magellanicus</i> ) | Canada (M)    | 4X   | 45°58'32" 67°01'50"                                      | May 9               | Spaghetti                          | 29400-29499               | 100         |
|  |               |      | 45°03'43" 67°01'25"                                      | "                   | "                                  | 29500-29599               | 100         |
|  |               |      | 45°04'43" 66°56'20"                                      | "                   | "                                  | 29600-29699               | 100         |
|  |               |      | 45°03'43" 67°01'25"                                      | Aug 14              | "                                  | 30600-30699               | 100         |
|  |               |      | 44°57'21" 66°43'27"                                      | Aug 19              | "                                  | 29700-29799               | 100         |
|  |               |      | 44°50'08" 66°48'32"                                      | Aug 21              | "                                  | 29800-29999               | 200         |
|  |               |      | 45°06'39" 66°55'10"                                      | Aug 22              | "                                  | 30000-30199               | 200         |
|  |               |      | "  | "                   | "                                  | 26500-26549               | 50          |
|  |               |      | 44°37'55" 66°54'03"                                      | Aug 26              | "                                  | 30900-31099               | 200         |
|  |               |      | 44°34'29" 67°02'26"                                      | Aug 27              | "                                  | 30300-30599               | 300         |
|  |               |      | "  | "                   | "                                  | 30700-30799               | 100         |
|  |               |      | "  | "                   | "                                  | 31100-31299               | 200         |
|  |               |      | 44°36'07" 66°44'30"                                      | Aug 28              | "                                  | 30800-30899               | 100         |
|  |               |      | "  | "                   | "                                  | 31300-31399               | 100         |
|  |               |      | "  | "                   | "                                  | 31400-31799               | 400         |
|  |               |      | 44°34'58" 66°48'40"                                      | Aug 29-30           | "                                  | 31800-32799               | 1000        |
|  |               |      | 44°48'34" 66°41'14"                                      | Sep 03              | "                                  | 33000-33199               | 200         |
|  |               |      | "  | Sep 04              | "                                  | 33500-33799               | 300         |
|  |               |      | 44°37'28" 66°54'15"                                      | Sep 04              | "                                  | 32800-32999               | 200         |
|  |               |      | "  | "                   | "                                  | 33200-33499               | 300         |
|  |               |      | 44°40'18" 66°53'19"                                      | Sep 25              | "                                  | 33900-34199               | 300         |
|  |               |      | 44°31'18" 66°52'08"                                      | Sep 26              | "                                  | 34400-34599               | 200         |
|  |               |      | 44°50'05" 66°47'20"                                      | Oct 01              | "                                  | 33800-33899               | 100         |
|  |               |      | 44°49'46" 66°45'57"                                      | Oct 01              | "                                  | 34300-34399               | 100         |
|  |               |      | 44°36'06" 66°44'28"                                      | Oct 02              | "                                  | 35100-35299               | 200         |
|  |               |      | 44°34'34" 66°50'09"                                      | Oct 03              | "                                  | 35400-35499               | 100         |
|  |               |      | 44°34'59" 66°55'02"                                      | Oct 03              | "                                  | 35300-35399               | 100         |
|  |               |      | 44°37'23" 66°54'09"                                      | Oct 08              | "                                  | 35500-35599               | 100         |
|  |               |      | "  | "                   | "                                  | 36000-36099               | 100         |
|  |               |      | 44°47'30" 66°50'24"                                      | Oct 09              | "                                  | 34800-35099               | 300         |
|  |               |      | 44°37'43" 66°45'45"                                      | Oct 09              | "                                  | 34600-34699               | 100         |
|  |               |      | 44°35'00" 66°50'00"                                      | Oct 10              | "                                  | 35600-35699               | 100         |
|  |               |      | 44°35'00" 66°50'00"                                      | Oct 10              | "                                  | 35800-35899               | 100         |
|  |               |      | 44°37'30" 66°50'24"                                      | Oct 10              | "                                  | 36100-36199               | 100         |
|  |               |      | "  | "                   | "                                  | 36500-36599               | 100         |
|  |               |      | 44°37'14" 66°50'44"                                      | Oct 11              | "                                  | 36600-36699               | 100         |
|  |               |      | 44°34'36" 66°51'18"                                      | Oct 12              | "                                  | 36200-36399               | 200         |
|  |               |      | "  | "                   | "                                  | 36700-36799               | 100         |
|  |               |      | 45°01'36" 66°54'30"                                      | Oct 17              | "                                  | 34700-34799               | 100         |
|  |               |      | "  | "                   | "                                  | 36400-36499               | 100         |
|  |               |      | 45°04'00" 66°55'00"                                      | Oct 18              | "                                  | 36800-36899               | 100         |
|  |               |      | 45°00'37" 66°54'45"                                      | Oct 19              | "                                  | 36900-36999               | 100         |
| 45°01'30" 66°54'30"                                | Oct 20        | "    | 35900-35999  | 100                 |                                    |                           |             |
| "  | "             | "    | 37000-37199  | 200                 |                                    |                           |             |
| 44°58'05" 66°57'06"                                | Oct 21        | "    | 37300-37399  | 100                 |                                    |                           |             |
| 44°59'56" 66°55'18"                                | Oct 22        | "    | 37500-37799  | 300                 |                                    |                           |             |
| 44°58'31" 66°42'27"                                | Oct 23        | "    | 37200-37299  | 100                 |                                    |                           |             |
| 45°01'30" 66°54'30"                                | Oct 27        | "    | 37400-37499  | 100                 |                                    |                           |             |
| "  | "             | "    | 37800-37999  | 200                 |                                    |                           |             |
| 45°04'00" 66°48'12"                                | Nov 07        | "    | 21200-21499, 21600-21699 }<br>22000-22299, 23000-23299 } | 1000                |                                    |                           |             |
| 45°59'57" 66°55'18"                                | Nov 08        | "    | 38000-38099  | 100                 |                                    |                           |             |
| "  | "             | "    | 38200-38299  | 100                 |                                    |                           |             |
| 44°57'21" 66°42'20"                                | Nov 19        | "    | 38300-38399  | 100                 |                                    |                           |             |
| "  | Nov 21        | "    | 38400-38599, 38800-38899 }<br>39000-39099 }              | 400                 |                                    |                           |             |
| 44°57'25" 66°42'08"                                | Nov 22        | "    | 38600-38799, 39200-39599                                 | 600                 |                                    |                           |             |
| Queen crab<br>( <i>Chionoecetes opilio</i> )       | Canada (Q)    | 4T   | St. Lawrence estuary                                     | May                 | Injected stainless steel micro-tag | -                         | 6000        |
| Red crab<br>( <i>Geryon quinquedens</i> )          | Canada (M)    | 4X   | 42°05'12" 63°32'81"                                      | Jul 10              | T-bar orange spaghetti type        | 34591-35971               | 1355        |
|  |               |      | 42°13'56" 65°12'57"                                      | Jul 22              | "                                  | "                         |             |
| American lobster<br>( <i>Homarus americanus</i> )  | Canada (M)    | 4X   | 42°10'N 65°30'W  | May 08-09           | Syperion                           | 64376-64865               | 490         |
|  |               |      | 42°30'N 66°00'W  | May 20-25           | "                                  | 71751-73461               | 710         |
|  |               |      | 42°30'N 66°00'W  | Jul 21-27           | "                                  | 73462-75772               | 2302        |
|  |               |      | McNutt's Island  | Jun 22-Aug 22       | Sphyron Anchor (yellow spaghetti)  | 68001-68587               | 585         |
|  |               |      | "  | "                   | Sphyron Anchor Numbers only        | 0818-6660                 | 41          |
|  |               |      | "  | "                   | "                                  | (less 5802 tags not used) |             |
|  |               |      | "  | "                   | "                                  | 10029-19598               | 134         |
|  |               |      | "  | "                   | "                                  | (less 9436 tags not used) |             |
|  |               |      | "  | "                   | "                                  | 29001-29014               | 11          |
|  |               |      | "  | "                   | "                                  | (less 3 tags not used)    |             |
| "  | "             | "    | 65066-66024  | 30                  |                                    |                           |             |
| "  | "             | "    | (less 929 tags not used)                                 |                     |                                    |                           |             |
| "  | Port Maitland | "    | Oct 21-24  | Metal carapace tags | 01001-02000                        | 998                       |             |
| "  | "             | "    | "  | "                   | (2 tags missing)                   |                           |             |

Table 2. (continued)

| Species                                     | Country    | Div.            | Location or position | Dates  | Types of tags used | Range of Serial Numbers             | No. of tags |
|---|------------|-----------------|----------------------|--------|--------------------|-------------------------------------|-------------|
| <i>Squid</i><br><i>(Illex illecebrosus)</i> | Canada (N) | 3L              | Holyrood, Nfld.      | Aug 21 | Yellow anchor      | SA06001-SA06040                     | 40          |
|   |            |                 |                      | Aug 27 | " "                | SA06041-SA06056                     | 16          |
|   |            |                 |                      | Aug 28 | " "                | SA06057                             | 1           |
|   |            |                 |                      | Aug 31 | " "                | SA06058-SA06138                     | 81          |
|   |            |                 |                      | Sep 02 | " "                | SA06139-SA06240                     | 100         |
|   |            |                 |                      | Sep 04 | " "                | (missing 2 tags)<br>SA06241-SA06244 | 4           |
|   |            |                 |                      | Sep 06 | " "                | SA06246-SA06292                     | 45          |
|   |            |                 |                      | Sep 07 | " "                | SB19587-SB19589                     | 3           |
|   |            |                 |                      | Sep 08 | " "                | SB19590-SB19600                     | 11          |
|   |            |                 |                      | Sep 09 | " "                | SA06293-SA06317                     | 25          |
|   |            |                 |                      | Sep 10 | " "                | SA06320-SA06416                     | 97          |
|   |            |                 |                      | Sep 11 | " "                | SA06417-SA06437                     | 21          |
|   |            |                 |                      | Sep 12 | " "                | SA06438-SA06456                     | 18          |
|   |            |                 |                      | Sep 13 | " "                | SA06457-SA06462                     | 6           |
|   |            |                 |                      | Sep 14 | " "                | SA06463-SA06477                     | 15          |
|   |            |                 |                      | Sep 15 | " "                | SA06478-SA06490                     | 13          |
|   |            |                 |                      | Sep 16 | " "                | SA06491-SA06569                     | 75          |
|   |            |                 |                      | Sep 18 | " "                | (missing 4 tags)<br>SA06570-SA06684 | 113         |
|   |            |                 |                      | Sep 20 | " "                | (missing 1 tag)<br>SA06687-SA06688  | 2           |
|   |            |                 |                      | Sep 21 | " "                | SA06689-SA06700                     | 12          |
|   |            |                 |                      | Sep 22 | " "                | SA06701-SA06730                     | 30          |
|   |            |                 |                      | Sep 23 | " "                | SA06731-SA06745                     | 13          |
|   |            |                 |                      | "      | "                  | (missing 1 tag)<br>SA06838          | 1           |
|   |            |                 |                      | Sep 24 | " "                | SA06746-SA06833                     | 88          |
|   |            |                 |                      | Sep 25 | " "                | SA06834-SA06837                     | 4           |
|   |            |                 |                      | Sep 26 | " "                | SA06839-SA06844                     | 6           |
|   |            |                 |                      | Sep 28 | " "                | SA06845-SA06853                     | 9           |
|   |            |                 |                      | Sep 29 | " "                | SA06854-SA06861                     | 8           |
|   |            |                 |                      | Sep 30 | " "                | SA06862-SA06873                     | 12          |
|   |            |                 |                      | Oct 01 | " "                | SA06874-SA06885                     | 12          |
|   |            |                 |                      | Oct 02 | " "                | SA06886-SA06898                     | 13          |
|   |            |                 |                      | Oct 04 | " "                | SA06899-SA06907                     | 9           |
|   |            |                 |                      | Oct 05 | " "                | SA06908-SA06946                     | 39          |
| Oct 06                                      | " "        | SA06947-SA06967 | 21                   |        |                    |                                     |             |
| Oct 09                                      | " "        | SA06968-SA06972 | 5                    |        |                    |                                     |             |
| Oct 10                                      | " "        | SA06973-SA06977 | 5                    |        |                    |                                     |             |
| Oct 14                                      | " "        | SA06978-SA06984 | 7                    |        |                    |                                     |             |