



NAFO - NORTHWEST ATLANTIC FISHERIES ORGANIZATION
CWP - COORDINATING WORKING PARTY ON FISHERY STATISTICS

STATLANT 21 B
Northwest Atlantic

FORM FOR REPORTING FINAL NOMINAL CATCHES AND CORRESPONDING FISHING EFFORT

After insertion of final data for the calendar year 2009, please return this form **before 31 August 2010** to:

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THE SUBMISSION OF THESE REPORTS IS REQUESTED EVEN IN THE EVENT OF "NO-FISHING"

Please retain one copy for reference

**INSTRUCTIONS FOR THE COMPLETION OF STATLANT 21B
BY NATIONAL OFFICES OF COUNTRIES FISHING IN THE NAFO AREA**

1. GENERAL REMARKS

1.1 NAFO requires that the fishery statistics reported on STATLANT 21 B forms represent the complete and **final national statistics** for publication.

Data should refer to nominal catches, i.e. live weight equivalent of landings to be expressed in **tonnes** and should refer to the calendar year of capture.

1.2 Separate forms should be submitted for different combinations of:

- Fishing gear/method of fishing
- Vessel type
- Vessel size
- Main species sought
- NAFO subarea, division and subdivision.

1.3 Data should consist of nominal catches and associated effort data. The nominal catch data of the various species items recorded in each of the vertical columns (E) to (R) must be those for which the effort data are recorded on lines (1) to (3) in the corresponding columns.

1.4 If portions of a monthly catch have no associated effort, these portions must be reported on separate sheets (without effort) or they may be added to the catches with effort, provided that the effort values are prorated accordingly. If the latter situation applies, the percentages of the catches that have been prorated should be provided using line 4 on the form.

1.5 In accordance with NAFO Scientific Council recommendations of September 2003, tuna data recording is discontinued in STATLANT 21A and 21B reports.

1.6 Data should include nominal catches of national flag vessels landed in foreign ports. Data on nominal catches of foreign flag vessels landed in your ports should be excluded.

Countries involved in cooperative fishing arrangements with coastal states in the Northwest Atlantic should:

- (a) record on separate STATLANT 21 forms in the usual way the relevant national fishery statistics for all fishing activity *not related* to cooperative arrangements; and
- (b) use separate STATLANT 21 forms to record fishery statistics *accruing from* cooperative arrangements with coastal states, ensuring that these sheets are properly identified in Box (i) of the forms with appropriate wording to indicate the nature of the operations and the name of the coastal state with which the cooperative arrangement existed.

1.7 The flag of the vessel performing the essential part of the operation catching the fish should be considered the paramount indication of the nationality assigned to the catch data and this indication overridden only when one of the following arrangements between a foreign flag vessel and the host country exists:

- (a) the vessel is chartered by the host country to augment its fishing fleet; and
- (b) the vessel fishes for the country by joint venture or similar agreements, and the operation of such vessel is an integral part of the economy of the host country.

1.8 National offices are expected to write in the blank lines on the form the names of any other species items for which catches are made. Please refer to the *enclosed NAFO list of species items* for the Northwest Atlantic. Quantities reported as "unspecified", "various", etc. should be reduced to a minimum. In all instances where statistically significant quantities of fish, crustaceans, molluscs and other marine invertebrates are reported to the national office as "unspecified", "unsorted", "other", "various" or "miscellaneous", an attempt should be made to provide estimates of the species composition of such catches for insertion on the form. Such estimates are to be added to the quantities actually reported for the relevant species items. In this way, the quantities reported for such unidentified groupings can be kept to a minimum.

1.9 Data may be submitted on computer printouts, or on computer diskettes for IBM compatible PC on ASCII files, together with a printout.

2. INSTRUCTIONS FOR COMPLETION OF BOXES AND LINES

2.1 **Fishing gear/method (box c):** For possible gear categories to be inserted in box (c), see list of gear categories and codes on next page. Use the standard abbreviations and the NAFO codes for gears used in the Northwest Atlantic. If fishing has been carried out by a gear for which no NAFO code has been assigned, insert the name of the gear and standard abbreviation, if applicable.

2.2 **Vessel type (box d):** NAFO requires that data for vessels using bottom and midwater trawls be reported separately by vessel type; insert in box (d) whichever of the following terms is pertinent:

- (i) bottom otter trawls - side: OTB 1 (NAFO code 11)
- (ii) bottom otter trawls - stern: OTB 2 (NAFO code 12)
- (iii) midwater otter trawls - side: OTM 1 (NAFO code 14)
- (iv) midwater otter trawls - stern: OTM 2 (NAFO code 15)

2.3 **Vessel size (box e):** Insert whichever of the following NAFO codes is appropriate to describe the GRT category of the fishing unit.

GRT CATEGORY	NAFO Code
0 - 49.9	2
50 - 149.9	3
150 - 499.9	4
500 - 999.9	5
1 000 - 1 999.9	6
2 000 - 99 999.9	7
not known	0

0 - 24.9	1 Canada only
25 - 49.9	2 " "

2.4 **Main species sought (box f):** Separate forms should be used to report data each time the target species changes. **Every effort** should be made to compile national statistics of catch and effort by "main species sought".

2.5 **NAFO subarea, division or subdivision (box h):** Insert in the relevant box the designated name of the respective NAFO division or subdivision (where applicable) to indicate where the catches were made. Statistics for Divisions 3P, 4V and 5Z have for several years been required to be reported by subdivisions and it is essential that data are compiled and reported for 3P (north), 3P (south), 4V (north), 4V (south) and 5Z (east and west) separately. In addition, as adopted by the NAFO General Council, September 1986, all countries fishing in subdivision 5Ze are required to record and report catches as coming from 5Zc - Canadian waters, and 5Zu - USA waters. The attached STATLANT 21 A form has been modified accordingly. A revised chart showing the boundaries of each subarea, division and subdivision of NAFO (FAO Major Fishing Area 21) is attached.

2.6 **Fishing effort measures (categories A, B and C)**

Category A: The data for all three levels of precision of fishing effort, i.e. categories A, B and C (lines 1, 2 and 3 respectively), should be provided where possible. For category A (line 1), please write in a detailed unit of measure, e.g. hours fished or number of sets, etc. These units of measure will vary with gear used identified in box (c) of the form. For possible combinations of gear and effort see the following table:

Fishing gear	Effort measure descriptors	Definitions
Surrounding nets (purse seines)	Number of sets	Number of times the gear has been set or shot, whether or not a catch was made. This measure is appropriate when school size and packing density is related to stock abundance or sets are made in a random manner.
Beach seines	Number of sets	Number of times the gear has been set or shot, whether or not a catch was made.
Boat seines (Danish, etc.)	Hours fishing per day	Number of times the gear was set or shot per day, times the estimated mean set or shot duration.
Trawls	Number of hours fished	Number of hours during which the trawl was in the water (midwater trawl), or on the bottom (bottom trawl), and fishing.
Boat dredges	Number of hours fished	Number of hours during which the dredge was on the bottom and fishing.
Gillnets (set or drift)	Number of effort units	Length of nets expressed in 100-metre units multiplied by the numbers of sets made (= accumulated total length in metres of nets used in a given time period divided by 100).
Gillnets (fixed)	Number of effort units	Length of net expressed in 100-metre units multiplied by the number of times the net was cleared.
Traps (uncovered pound nets)	Number of effort units	Number of days fished times the number of units hauled.
Covered pots and fyke nets	Number of effort units	Number of lifts times the number of units (= total number of units fished in a given time period).
Longlines (set or drift)	Thousands of hooks	Number of hooks fished in a given time period divided by 1 000.
Handlines, (pole, troll, jig, etc.)	Number of line days	Total number of lines used in the given time period.
Harpoons	—	(Report effort levels B and C only)

Category B: For *number of days fished (Line 2)*, the number of days on which fishing took place. For those fisheries in which searching is a substantial part of the fishing operation, days in which searching but no fishing took place should be included in "days fished" data.

Category C: For *number of days on ground (Line 3)*, in addition to days fishing and searching also all other days while the vessel was on the ground should be included.

Category D

Percent of pro-rated effort (Line 4): Please indicate on line 4 the percentages of the catches that have been pro-rated; insert "none" if the data were 100 percent recorded.

LIST OF GEAR CATEGORIES, ABBREVIATIONS AND CODES

Gear Categories	Standard Abbreviation	ISSCFG Code	NAFO Code
Surrounding nets			
With purse lines (purse seines)	PS	01.1.0	31
- one boat operated purse seines	PS1	01.1.1	-
- two boat operated purse seines	PS2	01.1.2	-
Without purse lines (lampara)	LA	01.2.0	-
Seine nets			
Beach seines	SB	02.1.0	24
Boat or vessel seines	SV	02.2.0	-
- Danish seines	SDN	02.2.1	21
- Scottish seines	SSC	02.2.2	22
- Pair seines	SPR	02.2.3	23
Seine nets (not specified)	SX	02.9.0	-
Trawls			
Bottom trawl		03.1.0	-
- beam trawl	TBB	03.1.1	18
- otter trawls ¹	OTB	03.1.2	10
- pair trawls	PTB	03.1.3	16
- nephrops trawls	TBN	03.1.4	-
- shrimp trawls	TBS	03.1.5	-
- bottom trawls (not specified)	TB	03.1.9	-
Midwater trawls		03.2.0	-
- otter trawls ¹	OTM	03.2.1	13
- pair trawls	PTM	03.2.2	17
- shrimp trawls	TMS	03.2.3	-
- midwater trawls (not specified)	TM	03.2.9	-
Otter twin trawls	OTT	03.3.0	192
Otter shrimp twin trawls	OTS		19
Otter trawls (not specified)	OT	03.4.9	-
Pair trawls (not specified)	PT	03.5.9	-
Other trawls (not specified)	TX	03.9.0	-
Dredges			
Boat dredges	DRB	04.1.0	71
Hand dredges	DRH	04.2.0	72
Lift nets			
Portable lift nets	LNP	05.1.0	-
Boat operated lift nets	LNB	05.2.0	-
Shore operated stationary lift nets	LNS	05.3.0	-
Lift nets (not specified)	LN	05.9.0	-
Falling gear			
Cast nets	FNC	06.1.0	-
Falling gear (not specified)	FG	06.9.0	-

Gear Categories	Standard Abbreviation	ISSCFG Code	NAFO Code
Gillnets and entangling nets			
Set gillnets (anchored)	GNS	07.1.0	41
Drift nets	GND	07.2.0	42
Encircling gillnets	GNC	07.3.0	-
Fixed gillnets (on stakes)	GNF	07.4.0	-
Trammel nets	GTR	07.5.0	-
Combined gillnets-trammel nets	GTN	07.6.0	-
Gillnets and entangling nets (not specified)	GEN	07.9.0	-
Gillnets (not specified)	GN	07.9.1	40
Traps			
Stationary uncovered pound-nets	FPN	08.1.0	61
Pots	FPO	08.2.0	62
Fyke nets	FYK	08.3.0	-
Stow-nets	FSN	08.4.0	-
Barriers, fences, weirs, etc.	FWR	08.5.0	63
Aerial traps	FAR	08.6.0	-
Traps (not specified)	FIX	08.9.0	60
Hooks and Lines			
Hand-lines and pole-lines (hand operated) ²	LHP	09.1.0	53
Hand-lines and pole-lines (mechanized) ²	LHM	09.2.0	55
Set lines (longlines set)	LLS	09.3.0	51
Drifting longlines	LLD	09.4.0	52
Longlines (not specified)	LL	09.5.0	50
Trolling lines	LTL	09.6.0	54
Hooks and lines (not specified) ³	LX	09.9.0	-
Grappling and wounding			
Harpoons	HAR	10.1.0	81
Harvesting machines			
Pumps	HMP	11.1.0	-
Mechanized dredges	HMD	11.2.0	-
Harvesting machines (not specified)	HMX	11.9.0	-
Miscellaneous gear ⁴	MIS	20.0.0	90
Recreational fishing gear	RG	25.0.0	-
Gear not known or not specified	NK	99.0.0	99

¹ See section 2.2² Including jigging lines³ Abbreviation LDV for dory operated line gears will be maintained for historical data purposes⁴ This item includes: hand and landing nets, drive-in-nets, gathering by hand with simple hand implements with or without diving equipment, poisons and explosives, trained animals, electrical fishing.