

International Commission for



the Northwest Atlantic Fisheries

Serial No. 5432

ICNAF Com. Doc. 79/VI/17

ANNUAL MEETING - JUNE 1979

Report on Fishing Activity and Enforcement in 1978

by
the Executive Secretary
ICNAF

A. Fishing Activity

Through 1978, fishing activity has continued outside the 200-mile fishing zone in Div. 3M in some cases in complete disregard of the Commission's conservation measures. Again, as in 1977, inspectors' reports give evidence of overfishing catch quotas, neglect by some Contracting Governments to notify intentions to fish under the "Others" allocation and to report catches from the "Others" allocation in 100-ton increments. As a result of these neglects, it has been impossible for the Secretariat to advise when catch quotas in Div. 3M for "Others" were reached and the fisheries were closed. Table 1 shows regrettably that two of the countries fishing substantially in the ICNAF Convention Area failed to report provisional monthly catch statistics in 1978.

Table 2 compares the provisional monthly catch by countries fishing in 1978 on the regulated cod, redfish, and American plaice stocks in Div. 3M. Four countries have overfished their cod allocation. The redfish catch allocation for "Others" was overfished due to the failure of a country to report its catch in 100-ton increments. Records by the ICNAF inspectors of catches logged by the vessels of one of the countries which submitted no catch reports show accumulated catches of cod far in excess of its catch allocation.

B. Enforcement

Again in 1978, Canada has borne the entire burden of surveillance and inspection at sea under the ICNAF Scheme of Joint International Enforcement in the ICNAF regulatory area (portions of Div. 3L and 3N and all of Div. 3M). Canada carried out 61 inspections at sea in the regulatory area as against 58 in 1977, and recorded sighting 130 vessels from 11 countries fishing in Div. 3M alone. With Canada exercising rigorous catch, effort, and reporting control under her licensing scheme for foreign fishing of allocations inside her 200-mile zone, the main fleets of some countries with Canadian allocations appear to be using Div. 3M as a "waiting" area while a few vessels search for the best catch rate within the area and on the species they are licensed to fish for by Canada. While waiting, extensive fishing is carried out. The same fleets, when their Canadian allocated catch and/or effort has been used and some vessels do not have a full load, appear to be "topping off" in Div. 3M en route to home port.

Table 3 gives a summary of the numbers of vessels which were registered by the Member Countries to fish in Div. 3M, the vessels sighted in Div. 3M, and the vessels inspected outside the 200-mile fishing zone in Div. 3M, 3N, and 3O by Canadian surveillance units and inspection officers. Three vessels were cited for violations, while five failed to submit a list of vessels registered to fish in the ICNAF regulatory area. Table 4 lists the country, vessel name, side number, number of times and the period in which it was sighted, and the date of an inspection if carried out.

C. Observer Scheme

The Commission's scientific observer scheme adopted in 1975 was used by Canada in 1978 and provided valuable biological information on special project fishing, discards, effect of mesh sizes on species in mixed fisheries. Further application of the scheme in the ICNAF regulatory area could help to provide much needed basic data for assessment and management purposes.

* Executive Secretary, ICNAF, P. O. Box 638, Dartmouth, Nova Scotia, Canada B2Y 3Y9

Table 1. Timeliness of provisional monthly catch reporting by countries fishing in the ICNAF Convention Area in 1978 (dash = no catch).

Month of catch	Date catch reported												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Required reporting date	28 Feb	31 Mar	30 Apr	31 May	30 Jun	31 Jul	31 Aug	30 Sep	31 Oct	30 Nov	31 Dec	31 Jan	
Bulgaria	-	-	-	-	18 Jul	18 Jul	14 Sep	14 Sep	-	-	-	-	
Canada (Maritimes & Quebec)	27 Feb	18 Apr	26 Apr	19 Jun	19 Jun	2 Aug	12 Sep	10 Oct	2 Nov	5 Dec	2 Jan	13 Feb	
Canada (Newfoundland)	3 Apr	3 Apr	29 May	29 May	14 Aug	14 Aug	21 Aug	21 Sep	1 Nov	8 Dec	12 Jan	18 Jan	
Cuba	-	-	29 May	29 May	10 Oct	10 Oct	28 Nov	28 Nov	28 Nov	8 Jan	6 Mar	6 Mar	
Denmark (Faroe Islands)	17 Mar	19 Apr	18 May	← monthly breakdown not given →						2 Jan			
Denmark (Greenland)	5 Apr	25 Apr	25 Apr	24 May	10 Jul	9 Aug	30 Aug	6 Dec	6 Dec	12 Jan	28 Feb	28 Feb	
Denmark (Mainland)	-	20 Apr	25 Apr	24 May	10 Jul	9 Aug	30 Aug	6 Dec	6 Dec	12 Jan	28 Feb	28 Feb	
France	10 Apr	26 Apr	2 Jun	2 Jun	26 Jun	17 Jan	17 Jan	17 Jan	17 Jan	17 Jan		12 Feb	
Federal Republic of Germany	14 Apr	26 Apr	29 May	19 Jun	24 Jul	24 Jul	25 Sep	25 Sep	20 Nov	20 Nov	5 Jan	22 Jan	
German Democratic Republic	14 Apr	17 May	11 May	24 Jul	23 Aug	11 Sep	19 Sep	-	2 Jan	10 Jan	29 Jan	28 Mar	
Iceland	-	-	-	-	-	6 Dec	-	-	-	-	-	-	
Italy								10 Jan*	10 Jan*				
Japan	13 Mar	10 Apr	28 Apr	25 May	28 Jun	31 Jul	30 Aug	5 Oct	10 Nov	5 Dec	8 Jan	16 Feb	
Norway	3 Mar	29 Mar	8 Jun	2 Jun	30 Jun	8 Aug	4 Sep	28 Sep	30 Oct	30 Nov	2 Jan	5 Feb	
Poland	8 Mar	6 Apr	5 May	6 Jun	7 Jul	10 Aug	11 Sep	13 Oct	14 Nov	11 Dec	11 Jan	7 Feb	
Portugal	← No reports to date for 1977 or 1978 →												
Romania	-	-	-	-	23 Feb	23 Feb	23 Feb	23 Feb	23 Feb	23 Feb	23 Feb		
Spain	← No reports to date for 1978 and reported only up to May 1977 →												
USSR	7 Apr	7 Apr	27 Apr	12 Jun	5 Jul	8 Aug	5 Sep	10 Oct	8 Nov	15 Dec	25 Jan	23 Feb	
UK	-	-	11 Dec	11 Dec	-	-	-	-	-	-	-	-	
USA	3 Mar	1 May	29 May	4 Jul	11 Aug	26 Sep	6 Oct	24 Oct	28 Nov	4 Jan	6 Feb	27 Feb	

* Italy reported for Subarea 4 only.

Table 2. Provisional 1978 nominal catches (tons) versus catch allocations (tons) by countries fishing in Div. 3M of the ICNAF Regulatory Area.

	Cod		Redfish		American plaice		Comments
	Allocation	Catch	Allocation	Catch	Allocation	Catch	
Bulgaria	0	8	0	58	0	36	
Canada	2,100	139	4,400	4,347	500	7	
Cuba	1,900	562	1,400	862	0	0	
Denmark (Faroe Islands)	6,840	8,593 ^a	0	0	0	0	
France	6,650	5,095	0	41	0	3	
Federal Republic of Germany	500	410	0	265	0	100	b,c
German Democratic Republic	0	0	0	0	0	0	
Iceland	0	0	0	0	0	0	
Italy	0	0	0	0	0	0	
Japan	0	22	0	320	0	49	
Norway	1,330	1,489 ^a	0	0	0	0	
Poland	1,460	615	0	83	0	31	b,c
Portugal	10,000	10,157 ^a	500	455	500	486	
Romania	0	0	0	24	0	0	
Spain	2,090	NR ^a	0	NR	0	NR	Inspection of fishing logs show cod catches exceeded 7,000 tons.
USSR	4,940	3,779	9,200	9,251 ^a	2,000	581	
UK	2,090	206	0	21	0	0	
Others	100	30	500	812 ^a	1,000	219	
Total 1978	40,000	31,075+	16,000	15,727+	4,000	1,293+	
Total 1977	25,000	26,992	16,000	20,200	2,000	1,618	

NR = catch not reported.

^a

= overfished allocation.

^b

= failed to report intent to fish under "Others".

^c

= failed to report in 100-ton increments when fishing under "Others".

Table 3. Summary of vessel registrations, sightings, inspections, and citations by country under the Scheme of Joint International Enforcement by Canada outside the 200-mile fishing zone in Div. 3M, 3N, and 30 in 1978.

	Div. 3M		Div. 3N		Div. 30		Total vessels inspected 1978	Total vessels inspected 1977
	Vessels registered	Vessels sighted	Vessels inspected	Vessels sighted	Vessels inspected	Vessels sighted		
Bulgaria	1	1	1	0	0	0	1	0
Canada (Newfoundland)	109	not reported	0	4	4	0	4	6
Cuba	6	2	1	0	0	4 ^d	5	6
Denmark (Faroe Islands)	8	3	1	0	0	0	1	3
France	16	5	0	0	0	0	0	0
Federal Republic of Germany	0 ^a	2	0	0	0	0	0	0
Japan	19	0	0	0	0	0	0	0
Norway	6	1	0	0	0	0	0	0
Poland	0 ^a	1	1	0	0	0	1	5
Portugal	0 ^a	35	15 ^b	6	6	0	21	14
Spain	2 ^a	58	13	5	5	1	19	4
UK	0 ^a	1	1	0	0	0	1	2
USSR	110	21	5 ^c	3	3	0	8	17
USA	0	0	0	0	0	0	0	1
Totals	277	130	38	18	18	5	61	57

^a Failed to submit list of vessels registered to fish in Div. 3M.

^b "Vila do Conde" cited for small mesh 21 May 1978.

^c "Seliger" cited for small mesh 14 March 1978.

^d "Playa Giron" cited for violation of quota closure 17 November 1978.

Table 4. Vessel sightings and inspections by Canada under the Scheme of Joint International Enforcement for countries fishing in Div. 3M of the ICNAF regulatory area.

Country	Side No.	Vessel Name	Date of Sightings	Date of Inspections
* BULGARIA	10421	ARGONAVT	06/16/1978	
BULGARIA	10421	ARGONAVT	06/17/1978	
* CUBA	704	PLAYA VARADERO	03/19/1978	
CUBA	704	PLAYA VARADERO	04/19/1978	17 Apr 1978
CUBA	223	RIO JIBACOA	11/12/1978	
* DENMARK	VA-27	REYNSATINDUR	10/16/1978	
DENMARK	VA-57	SUDURVARDI	08/30/1978	
* FED REP GERMANY	BX-752	STUTTART	08/30/1978	
FED REP GERMANY	NC-101	WIESBADEN	08/24/1978	
FED REP GERMANY			08/30/1978	
* FRANCE	BX-330-796	ISLANDE IV	10/16/1978	
FRANCE	FC-249-579	LE DAUPHIN	08/17/1978	
FRANCE	SM-303-402	VICTOR PLEVEN	10/02/1978	
FRANCE			10/16/1978	
FRANCE	BX-330-676	VICTORIA	08/24/1978	
FRANCE			08/30/1978	
FRANCE			09/18/1978	
FRANCE			10/02/1978	
FRANCE			10/16/1978	
FRANCE	BX-278-209	ZELANDE II	10/16/1978	
* NORWAY	M-406-H	KORALHAV	02/02/1978	
NORWAY			02/26/1978	
NORWAY			03/23/1978	
NORWAY			04/17/1978	
* POLAND	GDY-313	ANTLIA	07/26/1978	26 Jul 1978
* PORTUGAL	A-1506-N	MARTEZEZA	05/10/1978	
PORTUGAL	A-1506-N	MARTEZEZA	05/11/1978	
PORTUGAL	A-1506-N	MARTEZEZA	05/23/1978	
PORTUGAL	A-1581-N	JOAO PERREIRA	05/09/1978	
PORTUGAL	A-1581-N	JOAO PERREIRA	05/23/1978	
PORTUGAL	A-1581-N	JOAO PERREIRA	05/23/1978	
PORTUGAL	A-1581-N	JOAO PERREIRA	05/23/1978	
PORTUGAL	A-1827-N	SANTA CRISTINA	04/19/1978	19 Apr 1978
PORTUGAL	A-1827-N	SANTA CRISTINA	05/11/1978	11 May 1978
PORTUGAL	A-1827-N	SANTA CRISTINA	06/17/1978	
PORTUGAL	A-1847-N	NAVEGANTE	05/09/1978	
PORTUGAL	A-1847-N	NAVEGANTE	05/30/1978	
PORTUGAL	A-1893-N	LUTADOR	02/02/1978	
PORTUGAL	A-1893-N	LUTADOR	03/19/1978	
PORTUGAL	A-1893-N	LUTADOR	03/23/1978	
PORTUGAL	A-1893-N	LUTADOR	04/17/1978	
PORTUGAL	A-1893-N	LUTADOR	05/09/1978	
PORTUGAL	A-1893-N	LUTADOR	05/10/1978	10 May 1978
PORTUGAL	A-1893-N	LUTADOR	05/23/1978	
PORTUGAL	A-1893-N	LUTADOR	05/23/1978	
PORTUGAL	A-1893-N	LUTADOR	05/30/1978	
PORTUGAL	A-1940-N	SANTA MAFALDA	04/17/1978	
PORTUGAL	A-1940-N	SANTA MAFALDA	04/19/1978	
PORTUGAL	A-1940-N	SANTA MAFALDA	05/09/1978	
PORTUGAL	A-1940-N	SANTA MAFALDA	05/10/1978	10 May 1978
PORTUGAL	A-1963-N	AGUAS SANTAS	03/23/1978	
PORTUGAL	A-1963-N	AGUAS SANTAS	04/17/1978	
PORTUGAL	A-1963-N	AGUAS SANTAS	05/09/1978	
PORTUGAL	A-1963-N	AGUAS SANTAS	05/10/1978	10 May 1978
PORTUGAL	A-1963-N	AGUAS SANTAS	05/23/1978	
PORTUGAL	A-1963-N	AGUAS SANTAS	05/23/1978	
PORTUGAL	A-2036-N	SENHORA DO MAR	03/17/1978	
PORTUGAL	A-2036-N	SENHORA DO MAR	03/23/1978	
PORTUGAL	A-2036-N	SENHORA DO MAR	05/09/1978	
PORTUGAL	A-2036-N	SENHORA DO MAR	05/21/1978	
PORTUGAL	A-2036-N	SENHORA DO MAR	05/21/1978	
PORTUGAL	A-2036-N	SENHORA DO MAR	05/23/1978	
PORTUGAL	A-2036-N	SENHORA DO MAR	05/23/1978	

Table 4. continued

Country	Side No.	Vessel Name	Date of Sightings	Date of Inspections
PORTUGAL	A-2053-N	INACIO CUNHA	03/18/1978	
PORTUGAL	A-2053-N	INACIO CUNHA	03/19/1978	
PORTUGAL	A-2053-N	INACIO CUNHA	03/23/1978	
PORTUGAL	A-2053-N	INACIO CUNHA	03/23/1978	
PORTUGAL	A-2053-N	INACIO CUNHA	04/17/1978	
PORTUGAL	A-2053-N	INACIO CUNHA	05/09/1978	
PORTUGAL	A-2053-N	INACIO CUNHA	05/11/1978	11 May 1978
PORTUGAL	A-2053-N	INACIO CUNHA	05/23/1978	
PORTUGAL	A-2053-N	INACIO CUNHA	05/23/1978	
PORTUGAL	A-2053-N	INACIO CUNHA	05/30/1978	
PORTUGAL	A-2130-N	BRITES	04/17/1978	
PORTUGAL	A-2130-N	BRITES	05/09/1978	
PORTUGAL	A-2130-N	BRITES	05/11/1978	11 May 1978
PORTUGAL	A-2130-N	BRITES	07/02/1978	
PORTUGAL	A-2204-N	COIMBRA	03/19/1978	
PORTUGAL	A-2204-N	COIMBRA	04/17/1978	
PORTUGAL	A-2204-N	COIMBRA	05/09/1978	
PORTUGAL	A-2204-N	COIMBRA	05/30/1978	
PORTUGAL	A-2309-N	SANTO ANDRE	05/21/1978	21 May 1978
PORTUGAL	A-2318-N	ADELIA MARIA	04/17/1978	
PORTUGAL	A-2318-N	ADELIA MARIA	04/19/1978	19 Apr 1978
PORTUGAL	A-2318-N	ADELIA MARIA	05/09/1978	
PORTUGAL	A-2318-N	ADELIA MARIA	05/11/1978	11 May 1978
PORTUGAL	A-2322-N	CAPITAO JOAO VILARIN HO	01/07/1978	
PORTUGAL	A-2322-N	CAPITAO JOAO VILARIN HO	01/21/1978	
PORTUGAL	A-2322-N	CAPITAO JOAO VILARIN HO	01/22/1978	
PORTUGAL	A-2322-N	CAPITAO JOAO VILARIN HO	01/25/1978	
PORTUGAL	A-2322-N	CAPITAO JOAO VILARIN HO	03/19/1978	
PORTUGAL	A-2322-N	CAPITAO JOAO VILARIN HO	03/23/1978	
PORTUGAL	A-2611-N	VILA DO CONDE	03/23/1978	
PORTUGAL	A-2611-N	VILA DO CONDE	05/09/1978	
PORTUGAL	A-2611-N	VILA DO CONDE	05/21/1978	
PORTUGAL	A-2611-N	VILA DO CONDE	05/21/1978	21 May 1978
PORTUGAL	A-2611-N	VILA DO CONDE	05/23/1978	
PORTUGAL	A-2611-N	VILA DO CONDE	05/23/1978	
PORTUGAL	A-2613-N	MARIA DE RAMOS PASCO AL	05/21/1978	
PORTUGAL	A-2613-N	MARIA DE RAMOS PASCO AL	05/21/1978	
PORTUGAL	A-2613-N	MARIA DE RAMOS PASCO AL	05/23/1978	
PORTUGAL	A-2613-N	MARIA DE RAMOS PASCO AL	05/23/1978	
PORTUGAL	A-620-N	SANTA JOANA	03/17/1978	
PORTUGAL	A-620-N	SANTA JOANA	03/19/1978	
PORTUGAL	A-620-N	SANTA JOANA	04/17/1978	
PORTUGAL	A-620-N	SANTA JOANA	05/09/1978	
PORTUGAL	A-620-N	SANTA JOANA	05/21/1978	
PORTUGAL	A-620-N	SANTA JOANA	05/21/1978	
PORTUGAL	A-620-N	SANTA JOANA	05/23/1978	
PORTUGAL	A-620-N	SANTA JOANA	05/23/1978	
PORTUGAL	A-970-N	ANTONIO PASCOAL	04/17/1978	
PORTUGAL	A-970-N	ANTONIO PASCOAL	05/10/1978	
PORTUGAL	A-970-N	ANTONIO PASCOAL	05/11/1978	11 May 1978
PORTUGAL	A-970-N	ANTONIO PASCOAL	05/21/1978	
PORTUGAL	A-970-N	ANTONIO PASCOAL	05/21/1978	
PORTUGAL	A-970-N	ANTONIO PASCOAL	05/23/1978	
PORTUGAL	A-973-N	SAO GONCALINHO	03/17/1978	
PORTUGAL	A-973-N	SAO GONCALINHO	03/19/1978	

Table 4. continued

Country	Side No.	Vessel Name	Date of Sightings	Date of Inspections
PORTUGAL	A-973-N	SAO GONCALINHO	03/23/1978	
PORTUGAL	A-973-N	SAO GONCALINHO	04/17/1978	
PORTUGAL	A-973-N	SAO GONCALINHO	05/10/1978	10 May 1978
PORTUGAL	A-973-N	SAO GONCALINHO	05/23/1978	
PORTUGAL	A-973-N	SAO GONCALINHO	05/23/1978	
PORTUGAL	A-973-N	SAO GONCALINHO	05/30/1978	
PORTUGAL	LX-26-N	FERNANDES LAVRADOR	01/07/1978	
PORTUGAL	LX-26-N	FERNANDES LAVRADOR	01/22/1978	
PORTUGAL	LX-26-N	FERNANDES LAVRADOR	01/25/1978	
PORTUGAL	LX-34-N	ESTEVAO GOMES	01/07/1978	
PORTUGAL	LX-34-N	ESTEVAO GOMES	01/21/1978	
PORTUGAL	LX-34-N	ESTEVAO GOMES	01/22/1978	
PORTUGAL	LX-34-N	ESTEVAO GOMES	01/25/1978	
PORTUGAL	LX-34-N	ESTEVAO GOMES	02/02/1978	
PORTUGAL	LX-35-N	DAVID MELGUEIRO	04/17/1978	
PORTUGAL	LX-35-N	DAVID MELGUEIRO	04/19/1978	19 Apr 1978
PORTUGAL	LX-35-N	DAVID MELGUEIRO	05/23/1978	
PORTUGAL	LX-35-N	DAVID MELGUEIRO	05/23/1978	
PORTUGAL	LX-35-N	DAVID MELGUEIRO	07/27/1978	
PORTUGAL	LX-48-N	NOSSA SENHORA DA VIT ORIA	07/27/1978	
PORTUGAL	LX-60-N	AIDA PEIXOTO	03/19/1978	
PORTUGAL	LX-60-N	AIDA PEIXOTO	03/23/1978	
PORTUGAL	LX-60-N	AIDA PEIXOTO	05/09/1978	
PORTUGAL	LX-60-N	AIDA PEIXOTO	05/21/1978	
PORTUGAL	LX-60-N	AIDA PEIXOTO	05/21/1978	
PORTUGAL	LX-60-N	AIDA PEIXOTO	05/23/1978	
PORTUGAL	LX-60-N	AIDA PEIXOTO	05/23/1978	
PORTUGAL	LX-60-N	AIDA PEIXOTO	05/30/1978	
PORTUGAL	LX-63-N	SAM TIAGO	02/17/1978	
PORTUGAL	LX-63-N	SAM TIAGO	03/19/1978	
PORTUGAL	LX-63-N	SAM TIAGO	03/23/1978	
PORTUGAL	LX-63-N	SAM TIAGO	05/30/1978	
PORTUGAL	LX-67-N	ELISABETH	05/09/1978	
PORTUGAL	LX-70-N	JOAO ALVARES FAGUNDE S	02/02/1978	
PORTUGAL	LX-70-N	JOAO ALVARES FAGUNDE S	04/03/1978	
PORTUGAL	LX-70-N	JOAO ALVARES FAGUNDE S	07/26/1978	
PORTUGAL	PD-401-N	ANTARTICO	07/26/1978	26 Jul 1978
PORTUGAL	P-609-N	INVICTAPO	01/07/1978	
PORTUGAL	P-609-N	INVICTAPO	01/21/1978	
PORTUGAL	P-609-N	INVICTAPO	01/22/1978	
PORTUGAL	P-609-N	INVICTAPO	01/25/1978	
PORTUGAL	P-609-N	INVICTAPO	02/02/1978	
PORTUGAL	V-2-N	SANTA MARIA MADALENA		
PORTUGAL	V-2-N	SANTA MARIA MADALENA	01/25/1978	
PORTUGAL	V-2-N	SANTA MARIA MADALENA	02/17/1978	
PORTUGAL	V-2-N	SANTA MARIA MADALENA	02/21/1978	
PORTUGAL	V-2-N	SANTA MARIA MADALENA	03/19/1978	
PORTUGAL	V-2-N	SANTA MARIA MADALENA	03/23/1978	
PORTUGAL	V-2-N	SANTA MARIA MADALENA	04/17/1978	
PORTUGAL	V-2-N	SANTA MARIA MADALENA	04/19/1978	
PORTUGAL	V-2-N	SANTA MARIA MADALENA	05/09/1978	
PORTUGAL	V-4-N	MARIA TEIXEIRA VILAR INHO	03/19/1978	
PORTUGAL	V-4-N	MARIA TEIXEIRA VILAR INHO	03/23/1978	
PORTUGAL	V-4-N	MARIA TEIXEIRA VILAR INHO	04/17/1978	
PORTUGAL	V-4-N	MARIA TEIXEIRA VILAR INHO	05/09/1978	
PORTUGAL	V-4-N	MARIA TEIXEIRA VILAR INHO	05/23/1978	
PORTUGAL	V-4-N	MARIA TEIXEIRA VILAR INHO	07/02/1978	

Table 4. continued

Country	Side No.	Vessel Name	Date of Sightings	Date of Inspections
PORTUGAL	FF-18-N	ANTONIO CACAO	10/02/1978	
PORTUGAL	PD-400-N	ARTICO	08/24/1978	
PORTUGAL	FF-12-N	BISSAYA BARRETO	08/17/1978	
PORTUGAL			08/30/1978	
PORTUGAL			09/18/1978	
PORTUGAL			10/02/1978	
PORTUGAL	LX-67-N	ELISABETH	08/30/1978	
PORTUGAL			09/18/1978	
PORTUGAL			10/02/1978	
PORTUGAL	LX-70-N	JOAO ALVARES FAGUNDES	08/30/1978	
PORTUGAL			09/18/1978	
PORTUGAL			10/02/1978	
PORTUGAL	A-1581-N	JOAO PERREIRA	08/17/1978	
PORTUGAL	A-2774-N	MARNITA	08/17/1978	
PORTUGAL			08/30/1978	
PORTUGAL			09/18/1978	
PORTUGAL			10/16/1978	
PORTUGAL	LX-48-N	NOSSA SENHORA DA VIT ORIA	08/17/1978	
PORTUGAL			08/28/1978	
PORTUGAL			08/30/1978	
PORTUGAL			09/18/1978	
PORTUGAL			10/02/1978	
PORTUGAL	A-1827-N	SANTA CRISTINA	10/02/1978	
PORTUGAL			10/23/1978	
PORTUGAL			11/13/1978	
PORTUGAL	V-2-N	SANTA MARIA MADALENA	10/02/1978	
PORTUGAL			11/13/1978	
PORTUGAL	A-2309-N	SANTO ANDRE	08/17/1978	
PORTUGAL			09/25/1978	
PORTUGAL			10/02/1978	
PORTUGAL	A-2611-N	VILA DO CONDE	09/18/1978	
PORTUGAL			10/02/1978	
PORTUGAL			10/16/1978	
PORTUGAL			11/06/1978	
* SPAIN	AT-4-1478	LEON MARCO DOS	02/26/1978	
SPAIN	AT-4-1478	LEON MARCO DOS	03/02/1978	2 Mar 1978
SPAIN	AT-4-1478	LEON MARCO DOS	03/14/1978	
SPAIN	AT-4-1478	LEON MARCO DOS	04/19/1978	19 Apr 1978
SPAIN	AT-4-1478	LEON MARCO DOS	05/07/1978	
SPAIN	AT-4-1478	LEON MARCO DOS	05/07/1978	7 May 1978
SPAIN	AT-4-1478	LEON MARCO DOS	05/09/1978	
SPAIN	AT-4-1478	LEON MARCO DOS	05/14/1978	
SPAIN	AT-4-1479	LEON MARCO TRES	02/26/1978	
SPAIN	AT-4-1479	LEON MARCO TRES	03/02/1978	
SPAIN	AT-4-1479	LEON MARCO TRES	03/14/1978	
SPAIN	AT-4-1479	LEON MARCO TRES	04/19/1978	
SPAIN	AT-4-1479	LEON MARCO TRES	05/07/1978	
SPAIN	AT-4-1479	LEON MARCO TRES	05/07/1978	
SPAIN	AT-4-1479	LEON MARCO TRES	05/09/1978	
SPAIN	BI-2-2521	OLABERRI	05/14/1978	
SPAIN	BI-2-2522	OLAZAR	05/14/1978	
SPAIN	CO-2-2353	SANTA ELVIRA	01/07/1978	
SPAIN	CO-2-2353	SANTA ELVIRA	01/22/1978	
SPAIN	CO-2-2353	SANTA ELVIRA	01/25/1978	
SPAIN	CO-2-2453	SANTA PAULA	01/07/1978	
SPAIN	CO-2-2453	SANTA PAULA	01/21/1978	
SPAIN	CO-2-2453	SANTA PAULA	01/22/1978	
SPAIN	CO-2-2453	SANTA PAULA	01/25/1978	
SPAIN	CO-2-2453	SANTA PAULA	02/02/1978	
SPAIN	CO-2-2453	SANTA PAULA	04/17/1978	
SPAIN	CO-2-2453	SANTA PAULA	05/21/1978	
SPAIN	CO-2-2453	SANTA PAULA	05/21/1978	
SPAIN	CO-2-2531	SANTA MATILDE	01/07/1978	
SPAIN	CO-2-2531	SANTA MATILDE	01/21/1978	
SPAIN	CO-2-2531	SANTA MATILDE	01/22/1978	

Table 4. continued

Country	Side No.	Vessel Name	Date of Sightings	Date of Inspections
SPAIN	CO-2-2554	SANTA REGINA	01/21/1978	
SPAIN	CO-2-2554	SANTA REGINA	01/22/1978	
SPAIN	CO-2-2554	SANTA REGINA	01/25/1978	
SPAIN	CO-2-2554	SANTA REGINA	01/27/1978	
SPAIN	CO-2-2822	ARGONTE	03/20/1978	
SPAIN	CO-2-2822	ARGONTE	05/07/1978	7 May 1978
SPAIN	CO-2-2822	ARGONTE	05/20/1978	
SPAIN	CO-2-2822	ARGONTE	05/21/1978	
SPAIN	CO-2-3073	PENA MEA	04/17/1978	
SPAIN	CO-2-3073	PENA MEA	05/07/1978	
SPAIN	CO-2-3227	EDUARDO CHAO	03/20/1978	
SPAIN	CO-2-3228	JOSE CORNIDE	03/20/1978	
SPAIN	CO-2-3512	ARRISCADO	05/08/1978	
SPAIN	CO-2-3512	ARRISCADO	05/10/1978	
SPAIN	CO-2-3512	ARRISCADO	05/14/1978	
SPAIN	CO-2-3515	BRINCADOR	05/08/1978	
SPAIN	CO-2-3515	BRINCADOR	05/09/1978	
SPAIN	CO-2-3521	CERNELLO	04/17/1978	
SPAIN	CO-2-3528	ESGUIO	01/25/1978	
SPAIN	CO-2-3528	ESGUIO	01/27/1978	
SPAIN	CO-2-3528	ESGUIO	02/02/1978	
SPAIN	CO-2-3528	ESGUIO	04/17/1978	
SPAIN	CO-2-3528	ESGUIO	05/08/1978	
SPAIN	CO-2-3537	FARFALLEIRO	01/25/1978	
SPAIN	GC-3-2804	VIEIRASA SEIS	03/20/1978	
SPAIN	GC-3-2804	VIEIRASA SEIS	05/07/1978	
SPAIN	GI-4-1698	CURE AMA	05/30/1978	
SPAIN	GI-4-1699	ANTIGUAKOA	05/30/1978	
SPAIN	GI-4-1757	RIO PILES	05/07/1978	7 May 1978
SPAIN	GI-4-1758	RIO CARES	05/07/1978	
SPAIN	GI-4-1779	AROSA CUARTO	02/26/1978	
SPAIN	GI-4-1779	AROSA CUARTO	03/02/1978	
SPAIN	GI-4-1779	AROSA CUARTO	03/12/1978	
SPAIN	GI-4-1779	AROSA CUARTO	03/14/1978	
SPAIN	GI-4-1779	AROSA CUARTO	03/20/1978	
SPAIN	GI-4-1779	AROSA CUARTO	05/01/1978	
SPAIN	GI-4-1780	AROSA QUINTO	02/26/1978	
SPAIN	GI-4-1780	AROSA QUINTO	03/02/1978	
SPAIN	GI-4-1780	AROSA QUINTO	03/14/1978	
SPAIN	GI-4-1780	AROSA QUINTO	03/20/1978	
SPAIN	GI-4-1780	AROSA QUINTO	05/01/1978	
SPAIN	SS-1-2188	IRUNAKO	02/26/1978	
SPAIN	SS-1-2188	IRUNAKO	03/02/1978	
SPAIN	SS-1-2189	DONOSTI	02/26/1978	
SPAIN	SS-1-2189	DONOSTI	03/02/1978	2 Mar 1978
SPAIN	SS-1-2201	BIGARRENA	03/12/1978	
SPAIN	SS-1-2201	BIGARRENA	03/20/1978	
SPAIN	SS-1-2201	BIGARRENA	05/07/1978	
SPAIN	SS-1-2202	LENENGOA	03/12/1978	
SPAIN	SS-1-2202	LENENGOA	03/20/1978	
SPAIN	SS-1-2202	LENENGOA	05/07/1978	7 May 1978
SPAIN	SS-1-2241	LASADLA	05/07/1978	
SPAIN	SS-1-2241	LASADLA	05/09/1978	
SPAIN	SS-1-2241	LASADLA	05/20/1978	
SPAIN	SS-1-2241	LASADLA	05/20/1978	
SPAIN	SS-1-2242	LASABERRI	05/07/1978	
SPAIN	SS-1-2242	LASABERRI	05/09/1978	
SPAIN	SS-1-2242	LASABERRI	05/14/1978	
SPAIN	SS-1-2242	LASABERRI	05/20/1978	
SPAIN	SS-1-2242	LASABERRI	05/20/1978	
SPAIN	SS-2-1591	VIRGEN DE LA BARCA	05/14/1978	
SPAIN	SS-2-1591	VIRGEN DE LA BARCA	06/04/1978	
SPAIN	SS-2-1624	MONTE AITGORRI	03/20/1978	
SPAIN	SS-2-1632	MONTE ARALAR	03/20/1978	
SPAIN	SS-2-1644	ISLA DE MIQUELON	05/07/1978	

Table 4. continued

Country	Side No.	Vessel Name	Date of Sightings	Date Inspections
SPAIN	SS-2-1645	VIRGEN DE ARAGON	03/02/1978	26 Feb 1978
SPAIN	SS-2-1645	VIRGEN DE ARAGON	03/13/1978	
SPAIN	SS-2-1645	VIRGEN DE ARAGON	03/14/1978	
SPAIN	SS-2-1648	VIRGEN DE LA LAGUNA	02/26/1978	
SPAIN	SS-2-1648	VIRGEN DE LA LAGUNA	03/02/1978	
SPAIN	SS-2-1648	VIRGEN DE LA LAGUNA	03/13/1978	
SPAIN	SS-2-1648	VIRGEN DE LA LAGUNA	03/14/1978	
SPAIN	SS-2-1749	VIRGEN DEL CABO	02/26/1978	
SPAIN	SS-2-1749	VIRGEN DEL CABO	03/23/1978	
SPAIN	SS-2-1749	VIRGEN DEL CABO	05/14/1978	
SPAIN	SS-2-1793	VIRGEN DEL CAMINO	02/26/1978	
SPAIN	SS-2-1793	VIRGEN DEL CAMINO	03/23/1978	
SPAIN	SS-2-1793	VIRGEN DEL CAMINO	05/14/1978	
SPAIN	SS-2-1798	BAHIA DE LOS VASCOS	02/26/1978	2 Mar 1978
SPAIN	SS-2-1798	BAHIA DE LOS VASCOS	03/02/1978	
SPAIN	SS-2-1798	BAHIA DE LOS VASCOS	05/01/1978	
SPAIN	SS-2-1799	BAHIA DE NUESTRA SEN ORA	02/26/1978	
SPAIN	SS-2-1799	BAHIA DE NUESTRA SEN ORA	03/02/1978	
SPAIN	SS-2-1799	BAHIA DE NUESTRA SEN ORA	03/14/1978	
SPAIN	SS-2-1799	BAHIA DE NUESTRA SEN ORA	05/01/1978	
SPAIN	SS-2-1822	PUENTE DEL CARMEN	02/24/1978	2 Mar 1978
SPAIN	SS-2-1822	PUENTE DEL CARMEN	02/26/1978	
SPAIN	SS-2-1822	PUENTE DEL CARMEN	03/02/1978	
SPAIN	SS-2-1822	PUENTE DEL CARMEN	03/14/1978	
SPAIN	SS-2-1822	PUENTE DEL CARMEN	03/14/1978	
SPAIN	SS-2-1822	PUENTE DEL CARMEN	03/20/1978	
SPAIN	SS-2-1822	PUENTE DEL CARMEN	05/20/1978	
SPAIN	SS-2-1822	PUENTE DEL CARMEN	05/20/1978	
SPAIN	SS-2-1823	PUENTE DE TRIANA	02/24/1978	
SPAIN	SS-2-1823	PUENTE DE TRIANA	02/26/1978	
SPAIN	SS-2-1823	PUENTE DE TRIANA	03/02/1978	
SPAIN	SS-2-1823	PUENTE DE TRIANA	03/14/1978	
SPAIN	SS-2-1823	PUENTE DE TRIANA	03/14/1978	
SPAIN	SS-2-1823	PUENTE DE TRIANA	03/20/1978	
SPAIN	SS-2-1823	PUENTE DE TRIANA	05/20/1978	
SPAIN	SS-2-1823	PUENTE DE TRIANA	05/20/1978	
SPAIN	SS-2-1845	BAHIA DE GUIPUZCOA	05/07/1978	7 May 1978
SPAIN	SS-2-1846	BAHIA DE SAN SEBASTI AN	05/07/1978	
SPAIN	SS-2-1869	PESCAFRIA SEGUNDO	03/14/1978	
SPAIN	SS-2-1869	PESCAFRIA SEGUNDO	03/20/1978	
SPAIN	SS-2-1869	PESCAFRIA SEGUNDO	05/07/1978	
SPAIN	SS-2-1869	PESCAFRIA SEGUNDO	05/09/1978	
SPAIN	SS-2-1869	PESCAFRIA SEGUNDO	05/14/1978	
SPAIN	SS-2-1870	PESCAFRIA TERCERO	03/13/1978	
SPAIN	SS-2-1870	PESCAFRIA TERCERO	05/07/1978	
SPAIN	SS-2-1870	PESCAFRIA TERCERO	05/09/1978	
SPAIN	SS-2-1870	PESCAFRIA TERCERO	05/14/1978	
SPAIN	VI-5-7672	MAR DEL CORAL	05/01/1978	
SPAIN	VI-5-8109	MAR DE GALICIA	05/01/1978	
SPAIN	VI-5-8142	DOCAMPO	03/20/1978	
SPAIN	VI-5-8142	DOCAMPO	05/07/1978	
SPAIN	VI-5-8142	DOCAMPO	05/21/1978	21 May 1978
SPAIN	VI-5-8142	DOCAMPO	05/21/1978	
SPAIN	VI-5-8744	AROSA SEGUNDO	02/26/1978	
SPAIN	VI-5-8744	AROSA SEGUNDO	03/02/1978	
SPAIN	VI-5-8744	AROSA SEGUNDO	03/20/1978	
SPAIN	VI-5-8744	AROSA SEGUNDO	05/14/1978	
SPAIN	VI-5-8745	AROSA TERCERO	02/23/1978	
SPAIN	VI-5-8745	AROSA TERCERO	03/02/1978	
SPAIN	VI-5-8745	AROSA TERCERO	03/20/1978	
SPAIN	VI-5-8745	AROSA TERCERO	05/14/1978	

Table 4. continued

Country	Side No.	Vessel Name	Date of Sightings	Date of Inspections
SPAIN	VI-5-8748	BIGARO	03/20/1978	
SPAIN	VI-5-8748	BIGARO	05/01/1978	
SPAIN	VI-5-8748	BIGARO	05/14/1978	
SPAIN	VI-5-8752	NARVAL	03/20/1978	
SPAIN	VI-5-8752	NARVAL	05/01/1978	
SPAIN	VI-5-8752	NARVAL	05/14/1978	
SPAIN	VI-5-8929	MEIXUEIRO	05/01/1978	
SPAIN	VI-5-8929	MEIXUEIRO	05/07/1978	7 May 1978
SPAIN	VI-5-8930	XAXAN	05/01/1978	
SPAIN	VI-5-8930	XAXAN	05/07/1978	
SPAIN	VI-5-8997	URALDE	05/01/1978	
SPAIN	VI-5-8998	URIZAR	05/01/1978	
SPAIN	VI-5-9095	VIEIRASA CINCO	03/20/1978	
SPAIN	VI-5-9095	VIEIRASA CINCO	05/07/1978	
* UK	H-421	SWANELLA	03/14/1978	14 Mar 1978
UK	H-421	SWANELLA	03/18/1978	
UK	H-421	SWANELLA	03/19/1978	
UK	H-421	SWANELLA	03/23/1978	
UK	H-421	SWANELLA	04/17/1978	
* USSR	AB-0122	AMBARCHIK	02/17/1978	
USSR	AB-0122	AMBARCHIK	06/17/1978	20 Jun 1978
USSR	AB-2421	ALEKSEY KUZNETSOV	04/03/1978	
USSR	AB-2423	VASILIIY KISELYOV	06/17/1978	
USSR	AB-2423	VASILIIY KISELYOV	06/17/1978	
USSR	KB-0266	YURY KOSTIKOV	02/17/1978	
USSR	KB-0271	SELIGER	03/14/1978	14 Mar 1978
USSR	LB-0233	GUBERTAS BORISAS	03/23/1978	
USSR	MB-0110	ALTAY	04/18/1977	18 Apr 1978
USSR	MB-0110	ALTAY	02/26/1978	
USSR	MB-0110	ALTAY	03/02/1978	
USSR	MB-0110	ALTAY	04/03/1978	
USSR	MB-0118	ELBRUS	06/17/1978	20 Jun 1978
USSR	MB-0131	ZAVOLZHYE	06/17/1978	
USSR	MB-0134	KARAKUMY	04/03/1978	
USSR	MB-0372	TARUSA	06/16/1978	16 Jun 1978
USSR	MB-0439	MURMOMSK	04/03/1978	
USSR	MB-2424	ANDREY MARKIN	06/17/1978	
USSR	MI-8205	PROTSION	01/20/1978	
USSR	NB-0274	NOVOCHERKASSK	03/20/1978	
USSR	MB-2420	DEMYANSK	10/16/1978	
USSR	AB-0443	LUN	10/02/1978	
USSR			10/16/1978	
USSR	KB-0562	MIKHAIL BARSUKOV	10/29/1978	
USSR	MB-0439	MURMOMSK	10/02/1978	
USSR			10/16/1978	
USSR	MB-2639	NOVOKUYBYSHEVSK	10/02/1978	
USSR	MB-2644	ZELENETS	10/11/1978	
USSR			10/16/1978	

