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A Technical Reference Document

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Northeast Fisheries Center

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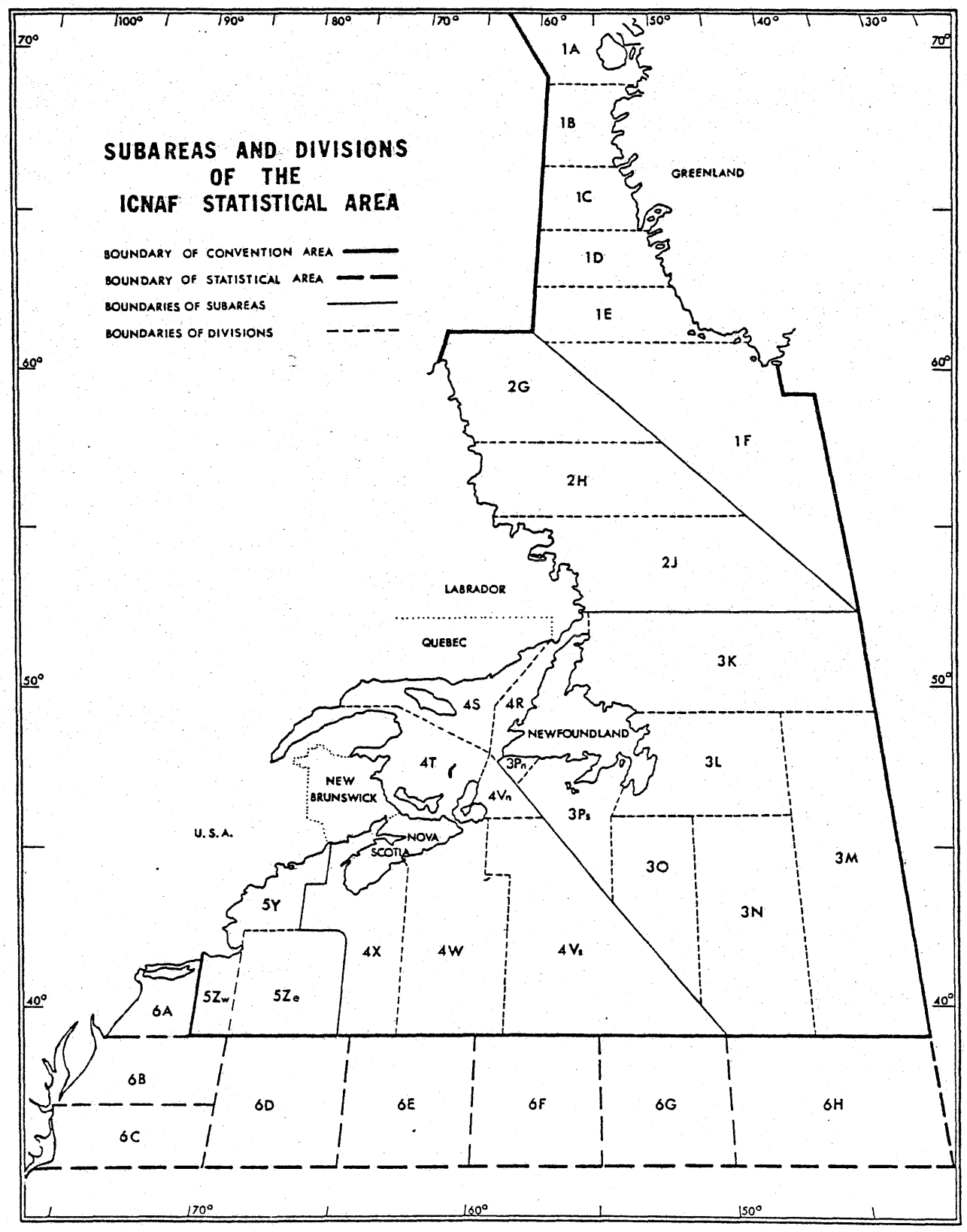
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100°
90°
80°
70°
60°
50°
40°
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GLOBAL QUOTAS

The global TAC for 1974 (924,000 MT) and 1975 (850,000 MT) were established at the October 1973 Special Commissioners Meeting. The 1976 TAC will be established at the 1975 Annual Meeting. There is no reassessment of the status of total finfish stock to support any reconsideration in June of the 1975 TAC. The quotas (country allocation) will be negotiated.

The first following table gives the total catch by country since 1963 for finfish plus squid (except menhaden and large pelagics) to which the global TAC applies. The second table gives the standardized fishing effort for the U.S. and foreign fleets for the same period.

TABLE . Nominal catch of all "finfish"[1/] in ICNAF stock regions 5 and 6 combined (metric tons round fresh). Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963		17933												238792		394098		2	650 825
1964		22452								85			20	358216	9162	395360		1051	786 346
1965		29284								3427		1982	69	535150	4950	379174		792	954 808
1966		42106								16103		3433	9531	579601		335402	2212	180	988 568
1967		37527			28261			331		41254		1766	16189	312591		298782	22940	240	759 881
1968		58113			71511	292		7212		92493		2892	17994	330626		289664	71664	301	942 762
1969	5798	22885			73807	12786		16251	1224	76027		621	15520	477773		258950	66947	721	1029 310
1970	7338	12179			92826			28795		147121		2720	8100	262121		234607	44339	121	840 267
1971	44792	36706			59953			27673		219791		8674	13336	392262		213505	106881	1299	1124 872
1972	39728	17393		296	32877		4000	28799		206657		5279	19742	464698		182974	139716	2438	1144 597
1973																			
1974	(29100)	(25000)			(27000)		(4700)	(24300)		(152200)		(4300)	(17200)	(342500)		(195000)	(97600)	(5000)	(923 900)

1/ Excludes menhaden and large pelagics.

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TABLE . Catch and standardized effort for USA and foreign countries in ICNAF SA 5 and 6, 1961-1972. Catch includes finfish (excluding menhaden, sharks, tunas, billfishes) and squid.

YEAR	TOTAL CATCH	USA CATCH	TOTAL STANDARDIZED EFFORT*	USA EFFORT	% US OF TOTAL
1961	344,286	274,919	53,879	50,504	(94%)
1962	472,263	263,516	108,816	61,612	(57%)
1963	650,825	394,098	108,834	68,654	(63%)
1964	786,346	395,360	165,896	71,080	(43%)
1965	954,808	379,174	169,895	75,283	(44%)
1966	988,568	335,402	191,583	67,023	(35%)
1967	759,881	298,782	143,104	57,453	(40%)
1968	942,762	289,664	180,260	55,336	(31%)
1969	1,029,310	258,950	221,137	55,729	(25%)
1970	840,267	234,607	182,667	50,984	(28%)
1971	1,124,872	213,505	267,190	50,758	(19%)
1972	1,144,597	182,974	315,316	50,579	(16%)

*units are those of USA OtSi, 0-50 MT; includes adjustment for learning.

SPECIES QUOTAS

There are a large number of species TAC's and quotas that will be negotiated at the 1974 Annual Meeting of ICNAF. These will encompass all species or groups of species in Subareas 5 and 6, and a large proportion of the species being fished in the Subareas 1 through 4. The following section is a brief introduction to each of the species in Subarea 5 and 6 followed by a table listing the previous 10-years' catches and the quota values in earlier years.

For the areas to the north, detailed tables are presented only for those stocks of most interest to the United States fishermen. Only tables of the 1972 catches for other stocks for which quotas will be established are included.

(Prepared 25 February 1974)

TABLE 2

Total allowable catches (TACs) in metric tons and allocations in metric tons for 1974 for species and species groups, and stock areas proposed at the June 1973, October 1973 and January 1974 Meetings of the Commission.

Species or Stock	Stock Region	Rec. TAC[1]	Agreed TAC	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTHERS	TOTAL
Cod	1A-F	80,000	107,000	-	-	30,000	6,300	27,800	-	-	-	8,000	-	10,000	-	7,400	1,000	3,500	-	-	1,000	95,000[2,12]
	2G-H	20,000	20,000	-	-	-	500	4,000	-	-	-	900	4,500	3,200	400	500	2,600	800	-	1,000	600	19,000[3]
	2J-3K-L	650,000	650,700	-	60,000	13,800	51,100	43,000	-	4,000	6,000	18,100	43,400	133,600	7,000	94,800	94,700	20,200	-	15,000[11]	2,000	606,700[4,13]
	3M	35,000	40,000	-	3,000	6,700	8,000	500	-	-	-	1,400	800	8,700	500	2,200	5,700	2,300	-	-	200	40,000
	3N-O	85,000	100,000	-	15,000	1,500	1,000	-	-	-	-	2,500	-	6,500	-	45,500	25,100	1,500	-	-	1,500	100,100
	3Ps	70,000	70,000	-	40,000	-	5,300	-	-	-	-	1,700	-	-	-	19,000	2,000	-	-	-	2,000	70,000
	3Pn-4R	-	-																			
	4T(Jan-Dec)-4Vn(Jan-Apr)	60,000	63,000	-	46,000	2,000	7,500	-	-	-	-	-	-	1,300	-	5,700	-	-	-	-	500	63,000
	4Vn(May-Dec)	10,000	10,000	-	5,808[8]	-	400	-	-	-	-	-	-	400	-	900	-	-	-	-	500	8,000[8]
	4Vs-W	60,000	60,000	-	24,250	1,150	1,500	-	-	-	-	-	-	-	-	28,500	2,900	-	-	-	1,700	60,000
	4X(offshore)	8,000	*[9]																			
	5Y	10,000	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,677	-	1,323	10,000
	5Z	35,000	35,000	-	4,820	-	-	-	-	-	-	-	487	-	-	7,088	2,468	-	16,590	-	3,547	35,000
Haddock	3	-	-																			
	4V-W	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
	4X	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0[14]
	5	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Redfish	2 + 3K	25,000	30,000	-	3,500	-	-	-	-	-	-	-	4,000	-	-	-	12,000	-	750	2,500	7,250	30,000
	3M	-	40,000	-	1,000	-	-	-	-	-	-	-	-	-	-	-	30,000	-	-	-	9,000	40,000
	3L-N	20,000	28,000	-	3,000	-	-	-	-	-	800	-	1,000	-	-	-	20,500	-	-	1,000	1,700	28,000
	3O	15,000	16,000	-	3,000	-	-	-	-	-	-	-	-	-	-	-	11,800	-	-	-	1,200	16,000
	3P	23,000	25,000	-	9,500	-	2,500	-	-	-	-	-	-	-	-	-	11,300	-	-	-	1,700	25,000
	4V-W-X	30,000	40,000	-	20,000	-	1,000	-	-	-	-	-	1,300	-	-	-	6,600	-	10,000	-	1,100	40,000
	5	30,000	30,000	-	414	-	-	-	-	-	-	-	-	-	412	-	1,725	-	24,747	-	2,702	30,000
Herring	4V-W(a)	45,000	45,000	-	39,800	-	-	1,500	-	-	-	-	-	-	-	-	3,000	-	-	-	700	45,000
	4X-W(b)	90,000	90,000	-	67,500	-	-	-	-	-	1,000	-	-	-	-	-	20,000	-	1,000	-	500	90,000
	5Y	25,000	25,000	-	6,000	-	-	1,000	-	-	-	-	-	-	-	-	-	-	16,750	1,000	250	25,000
	5Z-6	150,000	150,000	-	2,980	-	-	23,900	-	-	-	-	39,000	-	-	-	41,725	-	6,955	31,440	4,000	150,000
American plaice	2 + 3K	8,000	8,000	-	2,500[7]	-	-	-	-	-	-	-	-	-	-	-	4,500	-	-	-	1,000	8,000
	3L-N-O	60,000	60,000	-	48,000	-	900	-	-	-	-	-	900	-	-	-	9,000	-	-	-	1,200	60,000
	3M	2,000	2,000	-	800	-	-	-	-	-	-	-	-	-	-	-	1,000	-	-	-	200	2,000
	3Ps	10,000	11,000	-	8,800	-	800	-	-	-	-	-	-	-	-	-	-	-	-	-	1,400	11,000
Yellowtail	3L-N-O	40,000	40,000	-	32,400	-	-	-	-	-	-	-	-	-	-	-	7,000	-	-	-	600	40,000
	5(E of 69°)	16,000	16,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15,000	-	1,000	16,000
	5(W of 69°)	10,000	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,000	-	1,000	10,000
Witch	2J-3K-L	17,000	22,000	-	6,000	-	-	-	-	-	-	-	6,000	-	-	-	6,400	-	-	500	600	19,500[5]
	3N-O	10,000	10,000	-	4,500	-	-	-	-	-	-	-	-	-	-	-	4,900	-	-	-	600	10,000
	3Ps	2,600	3,000	-	2,500	-	400	-	-	-	-	-	-	-	-	-	-	-	-	-	100	3,000
Greenland halibut	2-3K-L	30,000	35,000	-	7,000[6]	-	-	-	-	-	-	-	7,000	-	-	-	9,000	-	-	3,000	9,000	35,000
Roundnose grenadier	2-3	30,000	32,000	-	-	-	-	-	-	-	-	-	-	-	-	-	24,000	-	-	4,000	4,000	32,000

Species or Stock	Stock Region	Rec. TAC[1]	Agreed TAC	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTHERS	TOTAL
Yellowtail, Witch, American plaice (combined)	4V-W-X	32,000	32,000	-	20,000	-	300	-	-	-	-	-	-	-	-	-	10,500	-	500	-	700	32,000
Flounders, except Yellowtail	5-6	25,000	25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	2,600	-	21,700	-	700	25,000
Silver hake	4V-W-X	50,000-100,000	100,000	-	2,000	-	-	-	-	-	-	-	-	-	-	-	90,000	-	-	-	8,000	100,000
	5Y	10,000	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	600	-	8,380	-	1,020	10,000
	5Ze	80,000	80,000	1,496	-	-	-	-	-	-	-	-	-	-	-	-	60,248	-	11,056	-	7,200	80,000
	5Zw+6	80,000	80,000	1,552	-	-	-	-	-	-	-	-	-	-	444	-	52,208	-	18,864	-	6,932	80,000
Red hake	5Z(W of 69°) + 6	50,000-70,000	50,000	1,500	-	-	-	-	-	-	-	-	-	-	-	-	32,000	-	15,000	-	1,500	50,000
	5Z(E of 69°)	20,000	20,000	-	-	-	-	-	-	-	-	-	-	-	-	-	14,000	-	1,000	-	5,000	20,000
Pollock	4V-W-X+5	50,000	55,000	-	34,000	-	-	1,600	-	-	-	-	-	-	-	1,200	2,100	-	12,000	4,000	100	55,000
Capelin	2J-3K)	250,000	110,000[10]	-	10,000	-	-	-	-	-	-	-	-	-	-	-	100,000	-	-	-	*[10]	110,000[10]
	3L-N-O-Ps)		148,000[10]	-	20,000	-	-	-	-	-	-	43,000	-	-	-	-	85,000	-	-	-	*[10]	148,000[10]
Mackerel	4V-W-X	-	55,000	-	20,000	-	-	-	-	-	-	-	-	-	-	-	25,000	-	1,000	-	9,000	55,000
	5+6	251,000) 312,000)	304,000	20,000	8,000	-	-	1,500	-	-	-	-	96,000	-	4,000	-	108,000	-	5,000	60,000	1,500	304,000
Squid	3-4	-	*[9]																			
	5-6	50,000-80,000	71,000	-	-	-	-	1,000	-	4,700	24,300	-	6,800	-	-	13,000	8,500	-	5,600	-	7,100	71,000
Other finfish	5-6	125,000	125,000	4,000	-	-	-	-	-	-	7,000	-	10,000	-	-	-	30,000	-	63,000	3,000	8,000	125,000
Argentine	4V-W-X)	50,000	25,000	-	-	-	-	-	-	-	6,000	-	-	-	-	-	16,500	-	-	-	2,500	25,000
	5)		25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	20,000	-	500	-	4,000	25,000
All finfish	5-6	923,900	923,900	29,100	25,000	-	-	27,000	-	4,700	24,300	-	152,200	-	4,300	17,200	342,500	-	195,000	97,600	5,000	923,900

[1] TAC recommended by scientific advisers.
[2] Does not include 12,000 tons for Denmark outside Convention Area.
[3] Does not include 1,000 tons for Canada outside Convention Area.
[4] Does not include 50,000 tons for Canada outside Convention Area.
[5] Does not include 2,500 tons for Canada outside Convention Area.
[6] Does not include 5,000 tons for Canada outside Convention Area.
[7] Does not include Canadian catch outside Convention Area.
[8] Does not include 2,000 tons for Canada outside Convention Area.
[9] Deferred to June 1974 Annual Meeting.
[10] Countries with no specific allocation may each take a total of 10,000 tons from the combined northern (Subarea 2-Div. 3K) and southern (Div. 3LNOPs) stocks, no more than 5,000 tons of which may be taken from the southern stock.
[11] All finfish (excluding menhaden, tuna, billfishes and sharks other than dogfish).
[12] Objection by Iceland - 17 Oct 1973.
[13] January 1974 Resolution (5) allows GDR to take 11,000 tons in excess of TAC.
[14] Reservation by Canada - 3 Jan 1974.

Table showing Subarea 5 and Statistical Area 6 TACs[2] and allocations[2] agreed at the October 1973 Special Commission Meeting in Ottawa (upper group); and TACs and allocations recommended by Panel 5 at the January 1974 Special Commission Meeting in Rome (lower group).

Species	Area	Bulgaria	Canada	Fed.Rep. Germany	Italy	Japan	Poland	Rom-ania	Spain	USSR	USA	German Dem.Rep.	Others	TAC
Cod	5Y	-	-	-	-	-	-	-	-	-	8,677	-	1,323	10,000
Cod	5Z	-	4,820	-	-	-	487	-	7,088	2,468	16,590	-	3,547	35,000
Yellowtail	5(E 69°W)	-	-	-	-	-	-	-	-	-	15,000	-	1,000	16,000
Yellowtail	5(W 69°W)	-	-	-	-	-	-	-	-	-	9,000	-	1,000	10,000
Other Flounders	5 + 6	-	-	-	-	-	-	-	-	2,600	21,700	-	700	25,000
Silver Hake	5Y	-	-	-	-	-	-	-	-	600	8,380	-	1,020	10,000
Silver Hake	5Ze	1,496	-	-	-	-	-	-	-	60,248	11,056	-	7,200	80,000
Silver Hake	5Zw + 6	1,552	-	-	-	-	-	444	-	52,208	18,864	-	6,932	80,000
Red Hake	5Z(W 69°W) + 6	1,500	-	-	-	-	-	-	-	32,000	15,000	-	1,500	50,000
Pollock	4 + 5	-	34,000[1]	1,600[1]	-	-	-	-	1,200[1]	2,100[1]	12,000[1]	4,000[1]	100[1]	55,000[1]
Redfish	5	-	414	-	-	-	-	412	-	1,725	24,747	-	2,702	30,000
Squid	5 + 6	-	-	1,000	4,700	24,300	6,800	-	13,000	8,500	5,600	-	7,100	71,000
Subtotal (1)		4,548	39,234	2,600	4,700	24,300	7,287	856	21,288	162,449	166,614	4,000	34,124	472,000
Red Hake	5Z(E 69°W)	-	-	-	-	-	-	-	-	14,000	1,000	-	5,000	20,000
Argentine	5	-	-	-	-	-	-	-	-	20,000	500	-	4,500	25,000
Herring	5Y	-	6,000	1,000	-	-	-	-	-	-	16,750	1,000	250	25,000
Herring	5Z + 6	-	2,980	23,900	-	-	39,000	-	-	41,725	6,955	31,440	4,000	150,000
Mackerel	5 + 6	20,000	8,000	1,500	-	-	96,000	4,000	-	108,000	5,000	60,000	1,500	304,000
Other Finfish	5 + 6	4,000	-	-	-	7,000	10,000	-	-	30,000	63,000	3,000	8,000	125,000
Subtotal (2)		24,000	16,980	26,400	-	7,000	145,000	4,000	-	213,725	93,205	95,440	23,250	649,000
TOTAL (1) + (2)		28,548	56,214	29,000	4,700	31,300	152,287	4,856	21,288	376,174	259,819	99,440	57,374	1121,000
Overall TAC		29,100	25,000	27,000	4,700	24,300	152,200	4,300	17,200	342,500	195,000	97,600	5,000	923,900

1 Pollock TAC and allocations pertain to Subareas 4 and 5; countries' estimates of catches in Subarea 4 are as follows: Canada (30,000 tons), Fed.Rep. Germany (800), Spain (600), USSR (1,000), USA (6,000) and German Democratic Republic (2,000), giving a total of 40,400 tons.

2 TACs and allocations are in metric tons.

ARGENTINE

The TAC for argentine was estimated for the stock in Division 4X and Subarea 5 at 50,000 MT. For management purposes the 1974 quota was established at 25,000 MT in each area. This is expected to remain the same in 1975 unless a new assessment is presented to ICNAF. Very small catches have been reported in Statistical Area 6.

TABLE . Nominal catch of argentine in ICNAF stock region 5 (Metric tons round fresh). Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963														4210					4 210
1964														12830					12 830
1965														9453					9 453
1966														33938					33 938
1967														2022				4	2 026
1968														1481					1 481
1969								976						1632					2 608
1970								369						999				1	1 369
1971								5398						1893				2	7 293
1972								97						32610					32 707
1973																			
1974														(20000)		(500)		(4500)	(25 000)
1975																			

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TABLE . Nominal catch of argentine in ICNAF stock region 6 (Metric tons round fresh).

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963																			
1964														952					952
1965														166					166
1966																			
1967																			
1968								43						810					853
1969														5					5
1970								10											10
1971																			
1972																			
1973																			
1974																			
1975																			

COD - SA 5

Present indications are that the recommended TAC for 1975 will most likely remain the same. The cod stocks in 5Y and 5Z appear to be maintaining themselves at satisfactory levels under current quota management. Recent recruitment has been encouraging. The United States has been approaching its national quota; however, the total quota have not been reached. SA 6 cod are not covered by a separate quota but are particularly important to the sport fishery.

TABLE Nominal catch of cod in ICNAF stock region 5Y (Metric tons round fresh)
Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963		3												133		2632			2 768
1964		25														3226			3251
1965		148														3780			3928
1966		384														4008			4392
1967		297														5676			5973
1968		61														6360			6421
1969		59			100								152			8157	2		8470
1970		26			11								375			7812	37		8261
1971		119			4								159			7380			7662
1972		53			13									11		6776	64		6917
1973		(100)														(9400)		(500)	(10000)
1974																(8677)		(1323)	(10000)
1975																			

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TABLE Nominal catch of cod in ICNAF stock region 5Z (Metric tons round fresh)
Values in parentheses indicate Total Allowable Catches

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963		7832												5217		14102		1	27 152
1964		7108								48			18	5428	238	12325			25165
1965		10598								1851			59	14415		11410			38333
1966		15601								269			8375	16755	69	11794			52863
1967		8232											14730	511	18	12742	104		36 337
1968		9127		19						2544			14622	1459		14967	17		42 755
1969	5	5997		1	3					640			13597	646		16356	34	110	37 389
1970		2583			3			15		641		129	6874	364		14535	65		25209
1971		2979						20		155		6	7460	1118		15795		10	27543
1972	74	2545		4				96		174			5667	1826		13140	68	2	24630
1973		(4000)								(400)			(5800)	(2900)		(19600)		(2300)	(35000)
1974		(4820)								(487)			(7088)	(2468)		(16590)		(3547)	(35000)
1975																			

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TABLE . Nominal catch of cod in ICNAF stock region 6 (metric tons round fresh)

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963																1040			1 040
1964																413			413
1965																274			274
1966														75		196			271
1967								3								415			418
1968								5		67						312	2		386
1969								90		158						426			674
1970								1		143						364	35		543
1971										101						383			484
1972	2							4		97			3	52		266	5		429
1973																			
1974																			
1975																			

FLOUNDER, OTHER THAN YELLOWTAIL - SA 5 & 6

The total allowable catch of other flounder is now being taken at current levels of fishing intensity. Research survey cruise indices show that the flounders are a group which has been declining severely over the last ten years.

The assessment has not progressed to the point of better advice than to keep the present TAC and to prevent increased fishing mortality on this group. Reduction of by-catch by foreign fishing must be maintained to provide for adequate management and allocation of the catch.

TABLE . Nominal catch of "other flounders" in ICNAF stock regions 5 & 6 combined (metric tons round fresh). Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963		364												309		14008		1	14 682
1964		494								2				59		20555			21 110
1965		557								75				2076		24465		3	27 176
1966		601								16				398		28449		1	29 465
1967		758						25		109				1507		25609		34	28 042
1968		492						43		30				1712		20252		27	22 556
1969		387						363		157		30		9288		21003		53	31 281
1970		249						298		9		795		1561		22141		30	25 083
1971		187						32				523		6141		20709		4	27 596
1972		82						13						5931		17373		128	23 527
1973		(100)										(500)		(2600)		(21700)		(100)	(25 000)
1974														(2600)		(21700)		(700)	(25 000)
1975																			

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HADDOCK - SA 5

In order to achieve any buildup of this stock at present levels of recruitment, the fishing mortality should continue to be held to the lowest possible level. The current quota for haddock is zero in the directed fishery allowing only incidental catch. In view of the zero directed fishery, the closed areas may well serve to reduce the incidental catch below that which would occur if the closed areas were open to fishing.

Rate of recruitment will not permit any measurable increase of stock even with prohibition of a directed fishery. More effective control of incidental catch and by-catch is required.

TABLE . Nominal catch of haddock in ICNAF stock region 5 (Metric tons round fresh)
Values in parentheses indicate Total Allowable Catches

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963		8382												2361		48892			59635
1964		11695											2	5483	464	51895			69539
1965		15048								28			10	81882		57027		730	154725
1966		19417								29		449	1111	48409	29	57497	37		126978
1967		13629						11				12	1355	2316	3	39635	4	10	56954
1968		9443		29				3		1286		402	3014	1397		28906			44480
1969		4049		4				9		458		66	1431	65		18879	3		24964
1970		2016						1		15			845	103		9872	10		12862 (12000)
1971		1715			4			10 (GLOBAL QUOTAS)		1		225	1336	374		8500		3	12168 (12000)
1972		632						(GLOBAL QUOTAS)		1		14	1098	141		4778	5		6669 (6000)
1973								(GLOBAL QUOTAS)											(0)
1974								(GLOBAL QUOTAS)											(0)
1975																			

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HERRING - SA 5 & 6

The Commission has established as the goal of herring management the rebuilding of the herring stock but is now effectively at most only achieving no further reduction. The indication is that the year-classes since 1970 have been weak. In no case, therefore, should the TAC be increased and most likely a decrease is required to permit further declines for both the 5Y and 5Z and 6 areas.

The herring quotas for 1974 were established at the Special Meeting in January 1974. The United States has proposed that the quotas for 1975 be set in June 1974. Presently, studies are underway for consideration by Assessment Subcommittee at the ICNAF Annual Meeting in order to determine the difference in precision (that is the range) within which a TAC for given commission goals can be established in June, as opposed to January.

TABLE . Nominal catch of sea herring[1/] in ICNAF stock region 5Y (Metric tons round fresh). Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963														227		2990			3 217
1964		636														1421			2 057
1965		30														1546			1 576
1966		47														3178			3 225
1967		5226														2581			7 807
1968		21497														10403			31 900
1969		10106			10446											4834	7020		32 406
1970		17912			6079			9		43						13564	2580		40 187
1971		15518			1723											19077	2257		38 575
1972		11357			2930					100				256		18698	9296		42 918
1973		(4000)			(1000)											(19750)			(25 000)
1974		(6000)			(1000)											(16750)	(1000)	(250)	(25 000)
1975																			

1/ Adult fishery only.

Table . Nominal catch of sea herring in ICNAF stock regions 5Z and 6 combined (Metric tons, round fresh). Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963														97646		322			97 968
1964										35				130914		489			131 438
1965										1447				38262		1191	1982		42 882
1966										14473				120136		4317	3810		142 736
1967		1306			28171			40		37677		1420		126759		1211	22159		218 743
1968		13674			71086	292		171		75080		1656		143097		758	67784		373 598
1969	812	945			61990	12786		583		45021		337		138673		3678	44624		309 449
1970	348	7			82498			1412		70691		685		61579		2011	28063		247 294
1971	4551	12863			54744			2466		88325		898		76435		3822	18447		262 551
1972	2355	53		500	27703			1161		49392		2156		48072		2782	40016		174 190
																			(150 000)
1973		(5050)			(31600)			(1200)		(49400)		(1300)		(48200)		(5250)			(150 000)
1974		(2980)			(23900)					(39000)				(41725)		(6955)	(31440)	(4000)	(150 000)
1975																			

MACKEREL - SA 5 & 6

It may be expected that the controversy within the Assessment Subcommittee Meeting as to the status of this stock and recommended TAC will continue in June similar to that in January.At the January 1974 Special Commission Meeting the mackerel quota for Subarea 5 and 6 was set for 1974. The quota for 1975 will be up for discussion at the June meeting. Additional information available in June will be that from spring research cruises of the USA, USSR, and the Federal Republic of Germany. The United States participated in the USSR and German cruises and is now examining the results of the surveys.

There may be some attempt to establish the procedure of waiting until January 1975 before establishing the quota. Although there is always the potential for some gain of information by additional time or further analysis, given the current state of the analyses of this fishery, which is prosecuted primarily by countries other than the United States, it is doubtful that any significant benefit would be achieved by postponing setting the quota from June until January.

TABLE . . Nominal catch of mackerel in ICNAF stock regions 5 and 6 combined (metric tons round fresh). Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963														1189		1320			2 509
1964														627		1644			2 271
1965										1				2528		1998		11	4 538
1966										6		3		6698		2724		3	9 431
1967					90			46		507		138		17994		3891	211		22 831
1968		16			121			312		10608		283		41294		3929	3342	84	59 662
1969	2083				89			523		18398		140		85110		4364	2214	253	114 088
1970	4007				1049			1500		68140		758		124483		4049	5631		208 985
1971	28507				2795			1025		112294		4521	50	127828		2406	69173	145	348 744
1972	23556	1			770		800	1104		141999		2519	6	134057		2006	80537	9	387 373
1973	(33000)	(22500)			(3500)					(130000)		(20000)		(148000)		(26200)		(66800)	(450 000)
1974	(20000)	(8000)			(1500)					(96000)		(4000)		(108000)		(5000)	(60000)	(1500)	(304 000)
1975																			

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OTHER FISH - SA 5 & 6

The other fish TAC is most likely to remain the same in 1975 as in 1974 and should not be increased. The other fish quota currently contains all species of finfish, except menhaden and large pelagics (such as tuna and swordfish), not covered by other quotas. Although no detailed assessment has been available for this group, the evidence from the research survey cruises has established major declines in many of the species in this group over the last ten years. The effect of the 1975 global quota may be to maintain the catch of species in this group. There will be continued pressure to take species out of this group for individual quotas, e.g. the butterfish where the Japanese have pursued a directed fishery, and may produce an assessment of butterfish and recommend an individual species quota.

SPECIES COMPOSITION OF OTHER FISH

ANGLER
CUSK
KING WHITING
NORTHERN PUFFER
OCEAN POUT
SCULPINS
SCUP
SEA ROBINS
WHITE HAKE
WOLFFISHES
GROUNDFISH (NS)
BUTTERFISH
BLUEFISH
PELAGICS (NS)
ALEWIFE
BLACK SEA BASS
DOGFISH
SHAD
SKATES
AMBERJACK
BLACK DRUM
COBIA
CONGER
ATLANTIC CROAKER
EELS
GIZZARD SHAD
HICKORY SHAD
HARVESTFISH
KING MACKEREL
MULLETS
PIGFISH
POMPANO
RED DRUM
ROUGH SHAD
SILVER SIDES
SMELTS
SPANISH MACKEREL
SQUETEAGUE
SPOT
SPOTTED WEAKFISH
STRIPED BASS
STURGEONS
WHITE PERCH
TROUTS
OTHER FISH (NS)

TABLE. . Nominal catch of "other finfish" in ICNAF stock regions 5 and 6 combined (Metric tons round fresh). Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963		190												10006		136208		198	146 602
1964		256												3345		130625		6453	140 679
1965		584												12458		127975		3056	144 073
1966		1519								1304		304		25603		103322	1042	20	133 114
1967		2463						155		2008		196		16822		89825	458	55	111 982
1968		1766			304			4819		1829		551		60727		78597	592	10	149 195
1969	1753	1022			7			6170		10847		41		98865		74270	10818	158	203 951
1970	2263	1027			30			11195		7394		205		29920		61913	2775	106	116 828
1971	6860	1315			54			7960		18680		2069		38855		51697	10051	784	138 325
1972	7612	891			170			6677		9445		224		49988		34234	4531	915	114 687
1973																			
1974	(4000)							(7000)		(10000)				(30000)		(63000)	(3000)	(8000)	(125 000)
1975																			

TABLE . Nominal catch of butterfish in ICNAF stock regions 5 and 6 combined (metric tons round fresh).

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963														2000		4513			6 513
1964														485		2561			3 046
1965														749		4089			4 838
1966														3865		2615			6 480
1967								145						2179		2452			4 776
1968								3526						1911		1804			7 241
1969	36							3931						11092		2438			17 497
1970								8621						404		1869			10 894
1971	26							5768						486		1570			7 850
1972	114							3661						1848		819	34		6 476
1973																			
1974																			
1975																			

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POLLOCK - SA 4 & 5

The pollock TAC will likely remain the same. The current pollock TAC encompass Divisions 4V-W-X and Subarea 5. The bulk of the catch has been taken in the former area. To date the catch has not come close to reaching the quota. The assessment is quite provisional. However, until a more definitive assessment is made, the TAC should not be increased. It is possible that Canada may propose the establishment of separate quotas in 4X and in 5 for practical management purposes. This would seem feasible from a biological point of view as long as the stock TAC was assessed as a whole.

TABLE . Nominal catch of pollock in ICNAF stock region 5 (metric tons round fresh).

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963		953												502		4670			6125
1964		1942												1970	326	4766			9004
1965		2044												2040		4914			8998
1966		4012											45	2611	8	3123			9799
1967		5287											104	345		2782	5		8523
1968		1740		2									358	141		2981			5222
1969		2443			1172								340	165		3507	2195		9822
1970		853			3156			1					6	51		3592	3902		11561
1971		1636			633			5		1			184	1163		4727	5963		14312
1972		1366			467			4		8			80	1043		5242	4779		12989
1973																			
1974																			
1975																			

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TABLE . Nominal catch of pollock in ICNAF stock regions 4V, 4W, 4X, and 5 combined (Metric tons round fresh). Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963		28999			126									793	28	6650			36596
1964		30007		9	208	46								4601	374	6004			41249
1965		27316			71								1361	2667	11	5301			36727
1966		18271											2384	9865	12	3743			34275
1967		17559											1781	644	1	3310	5		23288
1968		18062		5									1128	372		3276			22843
1969		15971		6	1188								1515	227		3943	2195		25045
1970		10753			3233			40					532	527		3976	4295		23 356
1971		11757			633			15		3			912	2216		4885	5963		26384
1972		18022	44	2	475			8		8			616	3495	4	5728	4793		33195
1973																			
1974		(34000)			(1600)								(1200)	(2100)		(12000)	(4000)	(100)	(55000)
1975																			

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RED HAKE - SA 5 & 6

Current indications are that the TAC on Georges Bank (5Z east of 69°) for 1975 will probably be the same as in 1974. However, there are indications that the 1974 TAC in the area west of 69° is higher than the current sustainable yield, and it is possible that the TAC recommended for 1975 by the Assessment Subcommittee will be lower.

The closed area in April Subarea 5 will also be up for consideration. Reasons for maintaining closed areas are not directly related to the reduction of fishing mortality in red and silver hake; however, the closed area has been effective in modifying availability to the U.S. inshore fishery.

TABLE . Nominal catch of red hake in ICNAF stock region 5Ze (metric tons round fresh). Value in parentheses indicate Total Allowable Catches.[1/]

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963																			
1964																			
1965																			
1966																			
1967																			
1968														4509		545	5		5 059
1969														4237		51			4 288
1970														1815		100			1 915
1971	1366							6						10404		111	88		11 975
1972	1043							187		11				37960		160	5		39 366
1973																			
1974														(14000)		(1000)		(5000)	(20 000)
1975																			

1/ TACs are for stock region 5Z east of 69°

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TABLE . Nominal catch of red hake in ICNAF stock regions 5Zw and 6 combined (metric tons round fresh). Values in parentheses indicate Total Allowable Catches.1/

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963																			
1964																			
1965																			
1966																			
1967																			
1968														8698		6464			15 162
1969	114													44913		5491			50 518
1970	197													5534		4591			10 322
1971	1218							8						23234		3225	9		27 694
1972	471							549		5		43		33368		1993	40		36 469
1973														(22000)		(15000)		(3000)	(40 000)
1974	(1500)													(32000)		(15000)		(1500)	(50 000)
1975																			

1/ TACs are for stock regions 5Z west of 69° and 6 combined.

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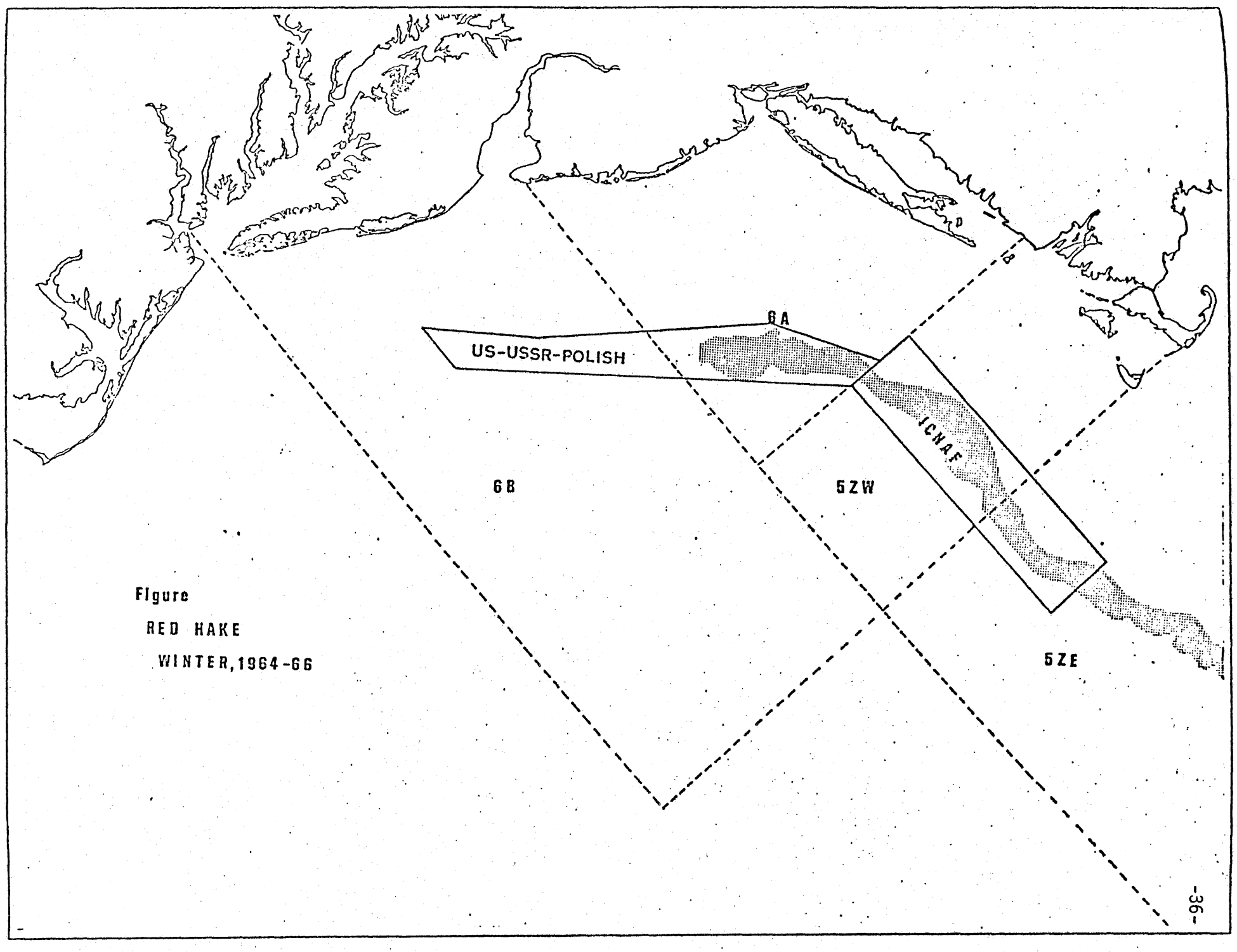

Figure
RED HAKE
WINTER, 1964-66

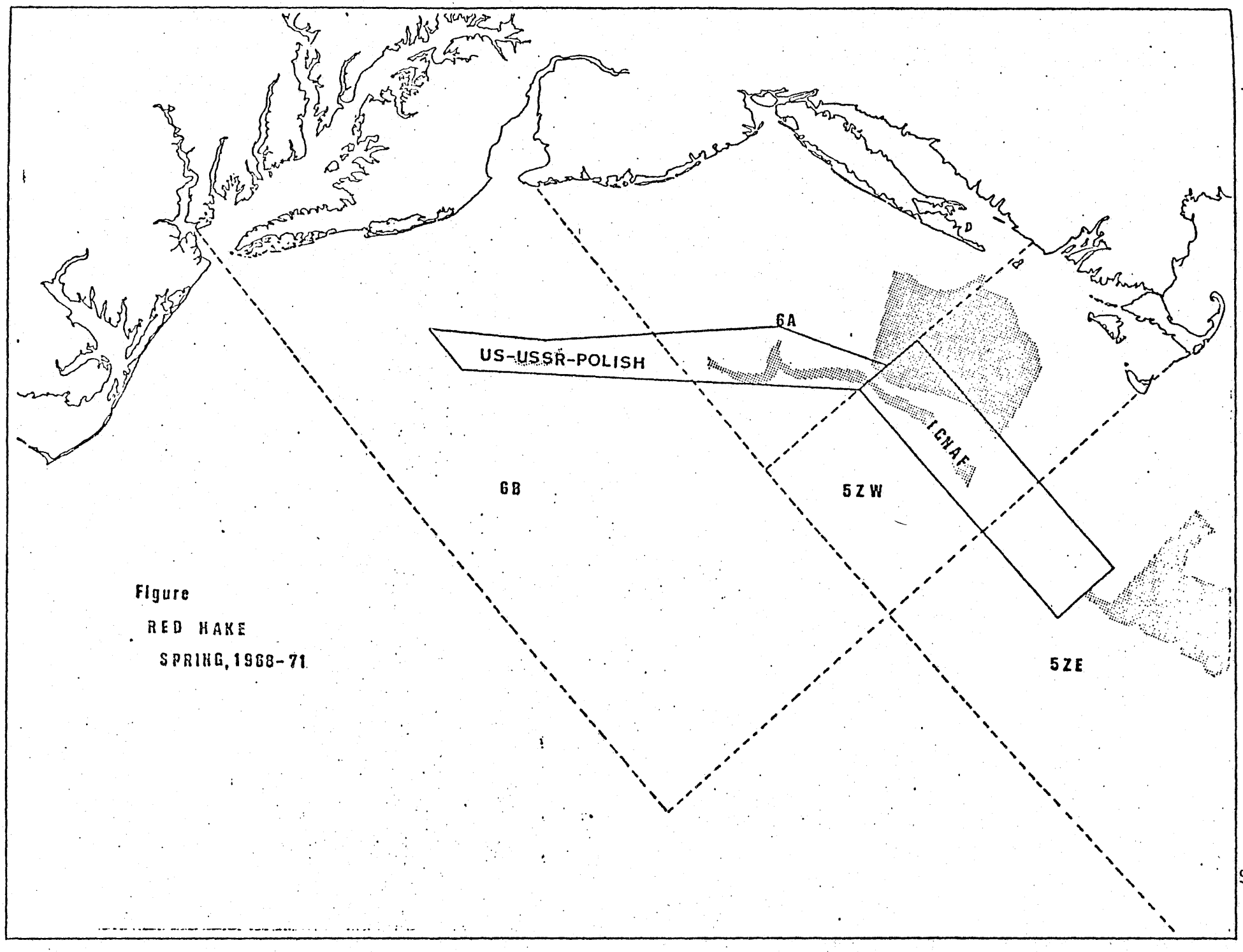

Figure
RED HAKE
SPRING, 1968-71

REDFISH - SA 5

The redfish fishery has not reached its TAC value in recent years. It is possible that the maximum sustainable yield may be higher than that desired if one is considering factors in utilization (catch per unit effort, size, etc.). If so, a lower fishing mortality (i.e. a catch lower than MSY) might be considered.

TABLE . Nominal catch of redfish in ICNAF stock region 5 (metric tons round fresh). Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963		89												1086		8871			10 046
1964		56												445		7812			8 313
1965		68								25				968		6986	10		8 057
1966		420								6				939		7204			8 569
1967		194						7		215						10442	6		10 864
1968		197														6578	2		6 777
1969		260			8			61		56				15		12041	13		12 454
1970		338			2			19		30		35				15534	783		16 741
1971	15	269						4		84				3394		16267	1		20 034
1972	15	124			3			15		1		14		5639		13157	127		19 095
1973		(400)								(100)				(4500)		(24600)		(500)	(30 000)
1974		(414)										(412)		(1725)		(24747)		(2702)	(30 000)
1975																			

SCALLOPS - SA 5 & 6

In 1972 the Assessment Subcommittee recommended that a minimum size of scallops caught be set greater than that in the commercial practice to achieve a greater yield per recruit. It also advised that the fishing mortality be reduced to increase stock size as well. The Commission proposed a minimum size corresponding to a count of 40 meats per pound as a first step towards the maximum yield-per-recruit weight of 14 meats per pound. Canada later objected formally to this regulation, preferring to start nationally with a smaller size limit. The original assessment and advice is still valid.

TABLE . Nominal catch of sea scallops in ICNAF stock region 5 (metric tons round fresh)1/

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963		48957														66941			115 898
1964		49156														54074			103 230
1965		36803														13532			50 335
1966		40489														8283			48 772
1967		41657														10913			52 570
1968		40024														9220			49 244
1969		35836														12056			47 892
1970		34006														12888			46 894
1971		32434														14147			46 576
1972		34535														11226			45 761
1973																			
1974																			
1975																			

1/ Live weight

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TABLE . Nominal catch of sea scallop in ICNAF stock region 6 (Metric tons round fresh).[1/]

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963																8108			8108
1964																8989			8989
1965		27135														29023			56158
1966		23165														52036			75201
1967		50														27764			27814
1968		3517														35930			39447
1969		15														15794			15809
1970																8828			8828
1971																7455			7455
1972		135														10884			11019
1973																			
1974																			
1975																			

1/ Live weight

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SILVER HAKE - SA 5 & 6

The silver hake stocks have shown good recruitment in recent years. This would tend to indicate that the TAC established for the western portion of Georges Bank and Subarea 6 can be maintained. Some consideration is being given to the status of the silver hake stock in the Gulf of Maine and their relationship to that on the Cultivator Shoals area. This relationship should be more clearly delineated because increasing catches on the Cultivator Shoals area in recent years may have an effect on the inshore stocks. New assessments are proceeding assuming a single stock. Results of these analyses will be for consideration by the Assessment Subcommittee at the annual meeting. The silver hake quota in the Gulf of Maine established for 1974 was equal to the U.S. catch in 1973. Recent higher recruitment may allow increasing the 5Y TAC. Currently, analyses are underway to estimate the rate of recovery of this stock under different levels of harvest.

TABLE . Nominal catch of silver hake in ICNAF stock region 5Y (Metric tons round fresh). Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963														3660		22933			26593
1964																31584			31584
1965																22676			22676
1966																21495			21495
1967																14653			14653
1968																24706			24706
1969																14632			14632
1970																11384			11384
1971														53		8263			8316
1972					131									857		5570	93		6651
1973																(9500)		(500)	(10000)
1974														(600)		(8380)		(1020)	(10000)
1975																			

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TABLE . Nominal catch of silver hake in ICNAF stock region 5Ze (Metric tons round fresh). Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963																			
1964																			
1965																			
1966																			
1967																			
1968										887				28013		6451	14		35365
1969										292				16144		1654	42		18132
1970								31		15		73		20548		4238			24905
1971	1393							82		124				66809 1/		3069		265	71742
1972	1914				226			104				42		73882		879	111	354	77512
1973														(55000)		(17000)		(8000)	(80000)
1974	(1496)													(60248)		(11056)		(7200)	(80000)
1975																			

1/ Includes a pro-rated portion of 18.126 M.T. reported for 5NK.

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TABLE . Nominal catch of silver hake in ICNAF stock regions 5Zw and 6 combined (Metric tons round fresh).[1/]
Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR[2/]	UK	USA	GDR	OTH	TOTAL
1963														4191		17666			6966
1964														19434		25008			19873
1965														68493		20998			21027
1966														126211		9840			96201
1967								26						41242		8493			23042
1968								47		121				30812		8163			39096
1969	746							178						57820		7235	2		65101
1970	439							299				40		11493		6005			17837
1971	621							70		24		432		21714		4989			23721
1972	1629							101				127		27146		5552	16	474	31374
1973														(47000)		(25000		(8000)	(80000)
1974	(1552)											(444)		(52208)		(18864)		(6932)	(80000)
1975																			

1/ Values prior to 1968 are pro-rated from reported 57 values. 2/ 1971 includes a pro-rated portion of 18,126 MT reported for 5 NK.

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SQUID - SA 5 & 6

The current squid TAC was established on the ba[illegible] assessment of the genus Loligo. Increasing interest in this s[illegible] by many countries combined with some indications of heavy [illegible] on small squid raises concern among scientists for the condition o[illegible] stock. However, it is not a fishery pursued by the United States a[illegible] not possible for U.S. biologists to give a preliminary assessment [illegible] stock. The U.S. is currently summarized all of its survey data an[illegible] taken from the experimental fishing done in the New England Progra[illegible] able to be in the best position possible to evaluate all of th[illegible] sment data presented at the Annual Meeting. There has been re[illegible] terest by Spain particularly in a fishery for the genus Illex which i[illegible] genus caught and used for bait in the traps and small fisheries of the [illegible] of Maine. The condition and status of this stock is not known.

TABLE . Nominal catch of "squid" in ICNAF stock regions 5 and 6 combined (Metric tons round fresh)
Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963																2105			2105
1964														4		929			933
1965														176		1154			1330
1966														389		1173			1562
1967								6						833		1829			2668
1968								1731						3176		1762	10		6679
1969								7122						1340		1461	1		9924
1970								13639					4510	655		1061	20		19885
1971	90	1						10602					4197	6138		1182		1	2221
1972	499			296	463		3200	18691		5428		66	11860	6976		1197	14		48690
1973																			
1974					(1000)		(4700)	(24300)		(6800)			(13000)	(8500)		(5600)		(7100)	(71000)
1975																			

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YELLOWTAIL FLOUNDER - SA 5 & 6

Yellowtail flounder TAC's are set for the Georges Bank stock (5Z east of 69°) and the Southern New England stock (west of 69°). No TAC has been established for SA 6. Assessment data to date indicates that the 1974 TAC for Georges Bank can be maintained in 1975 without decreasing the stock. However, in both the SA 6 and the Southern New England area recent levels of recruitment have been very low and 1973 catch levels cannot be maintained without increasing the fishing mortality and further decreasing the stock. In order to maintain the current level of fishing mortality, the catch in both areas would need to be reduced approximately one-half. This, however, under the present levels of recruitment will result in a continued decline of the adult stock, already at a low level. In order to halt this decline and to provide for any stock recovery it will be necessary to markedly reduce fishing mortality. The harvestable surplus in 1975 (just maintaining the same stock size) is less than 5,000 tons for both SNE and SA 6.

TABLE . Nominal catch[1/] of yellowtail flounder in ICNAF stock region 5Z, east of 69° (Metric tons round fresh). Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR[2/]	UK	USA	GDR	OTH	TOTAL
1963		100														16600			16 700
1964		130														19800			19 930
1965		111														18400			18 511
1966		56												140		13400			13 596
1967		73												1265		13900			15 238
1968		63												1680		16400			18 143
1969		178												1948		18500			20 626
1970		38												212		11600			11 850
1971	71	57						3						372		15008			15 426 (16 000)
1972	161	8												2056		15316			17 537 (16 000)
1973																(15000)		(1000)	(16 000)
1974																(15000)		(1000)	(16 000)
1975																			

1/ Values for east and west of 69° were pro-rated from reported 5Z (1963-67) and 5Ze, 5Zw, (1968-72) values.

2/ Prior to 1970 yellowtail values were pro-rated from values reported as flounders (ns).

TABLE . Nominal catch[1/] of yellowtail flounder in ICNAF stock region 5Z, west of 69° (Metric tons round fresh). Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR[2/]	UK	USA	GDR	OTH	TOTAL
1963		200														32300			32 500
1964		110														31400			31 510
1965		95												1300		28900			30 295
1966		48												652		30000			30 700
1967		62												2800		25300			28 162
1968		53												3500		26700			30 253
1969		151												17985		19600			36 983
1970		33												2693		21574			22 205
1971	60	48												553		14213			14 874 (13 000)
1972	400													2761		11858		15	15 034 (10 000)
1973														(400)		(9000)		(600)	(10 000)
1974																(9000)		(1000)	(10 000)

1/ Values for east and west of 69° were pro-rated from reported 5Z (1963-67) and 5Ze, 5Zw (1968-72) values.

2/ Prior to 1970 yellowtail values were pro-rated from values reported as flounders (ns).

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TABLE . Nominal catch of yellowtail flounder in ICNAF stock region 6 (Metric tons round fresh).

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963																2312			2 312
1964																1809			1 809
1965																2117			2 117
1966																2240			2 240
1967																5340			5 340
1968																3272			3 272
1969																3886			3 886
1970	4													111		4050			4 165
1971	125							7						829		6867			7 828
1972	12							2				42		61		8774			8 891
1973																			
1974																			
1975																			

COD - SA 4

The cod stock in this subarea of most immediate concern to the U.S. fishing industry is that in 4X. This has been divided into two stocks, an offshore and an inshore. The United States has fisheries in both stock areas. Current assessments indicate that the offshore stock has been decreasing significantly in recent years and that maintaining the high level of fishing mortality now applied will cause the stock to decline further. A TAC of 8,000 MT was recommended in January of 1974 for 1974. Consideration was postponed until June due to problems with national allocation. Other cod stocks in Subarea 4 will also be reassessed at the Assessment Subcommittee meeting based on primarily Canadian data.

TABLE . Nominal catch of cod in ICNAF stock region 4X -offshore (metric tons round fresh)

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963 *		2540			9								1	684		837			4 071
1964		5809			338	8								2922	7	1013			10 097
1965		9917			125								144	1553		391			12 130
1966		8868								4			803	4961		404			15 041
1967		10885											2536	667		450			14 558
1968		13505		24									2829	1061		346			17 765
1969		10567		3									8217	1		269			19 058
1970		5097						152					3647	10		319			9 225
1971		5740						6					2615	337		123			8 821
1972		5659			2								1547	30		94			7 332
1973																			
1974																			
1975																			

* COD 4X - OFFSHORE (ICNAF RES. DOC. 74/25)

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TABLE 2.** Div. 4X inshore cod stocks. Nominal catches, and estimates of Div. 5Z catches misreported as originating from Div. 4X inshore (metric tons round).

Year	Canada	U.S.A.	Total	Div. 5Z catches reported as Div. 4X to ICNAF
1962	12,566	383	12,949	
1963	13,250	464	13,714	
1964	15,258	400	15,658	
1965	14,304	480	14,784	
1966	15,296	562	15,858	
1967	16,379	995	17,374	550
1968	16,465	513	16,978	800
1969	12,789	179	12,968	700
1970	12,617	180	12,797	280
1971	13,841	116	13,957	600
1972*	14,195	229	14,424	625

*Preliminary

** R. G. Halliday (ICNAF Res. Doc. 74/25)

TABLE . Nominal catch of cod in ICNAF stock regions 4Vs and 4W combined (metric tons round fresh). Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963		13144		72	217					23	617		44528	9505	23	44			58 173
1964		14330		1010	525	136							39690	7133	396	37			63 257
1965		23104		536	33					69	88		39280	7856	19			3	70 988
1966		17690		1494									43157	5473	339	17			68 170
1967		18464		77				3			102		33934	1068	483	8	21		54 160
1968		24888		225				21		28			50418	4865		1			80 446
1969		14188		217	630			39		34			32305	2783			4		50 200
1970		11818		420				1		337	296		41926	2521		108	7		57 434
1971		17064		4						15	18		30864	4506		91	1		52 562
1972		19987	6308	495				22			856		28542	4646	486	269	33	1	61 645
1973		(18400)	(1150)	(500)	(550)	(450)	(450)	(450)	(450)	(550)	(1150)	(450)	(31550)	(2900)	(450)	(1050)			(60 500)
1974		(24250)	(1150)	(1500)									(28500)	(2900)				(1700)	(60 000)
1975																			

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TABLE . Nominal catch of cod in ICNAF stock regions 4T and 4Vn (Jan-Apr)combined (metric tons round fresh). Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963		103735		228							4496		12456			2			120 917
1964		90964		2216									8808	6	170	1			102 165
1965		101794		3084							1459		3001		160				109 498
1966		84892		5744							138		2197						93 099
1967		68702		2360							85		4092	9	293		18		75 559
1968		81148		830							25		2458						84 461
1969		86390		638							307		1082						88 417
1970		89964		3490	1						2622		11792						107 869
1971		88204		628							126		8086						97 044
1972		86951	3786	9341						1	3768		6323			73			110 325
1973																			
1974		(46000)	(2000)	(7500)							(1300)		(5700)					(500)	(63 000)
1975																			

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TABLE . Nominal catch of cod in ICNAF stock region 4Vn (May-Dec.) (metric tons round fresh). Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963		7213									229		162	32		1			7 637
1964		9420		707							320		183	3					10 633
1965		9127		1679							465		304	415				9	11 999
1966		9075		210									45	543					9 873
1967		7292											320					15	7 627
1968		6342		44									666						7 052
1969		8656		109						71			611						9 447
1970		8707		34						7			1141			5			9 894
1971		8469		1									2161						10 631
1972		6716	2442	745							526		1171						8 601
1973																			
1974		(5808)		(400)							(400)		(900)					(500)	(10 000)
1975																			

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HADDOCK - SA 4

There are TAC's set for two haddock stocks in Subarea 4 - one in 4VW and the other in 4X. The most recent assessments indicate that both stocks are at a low level and to provide a reasonable chance for recovery of the stocks at the current level of recruitment, fishing mortality should be kept at the lowest possible value. Recently, there have been some indications of improvement in recruitment in the 4X area. However, based on data currently available, setting a total allowable catch (now zero) would serve to maintain a low stock level and reduce any rate of recovery. Canada proposed earlier restoring the closed area in 4X to its original size. Additional reduction in harvest levels will most aid in stock recovery; increasing the size of the closed area is of lesser value than the prohibition of directed fishing but it can be important.

TABLE . Nominal catch of haddock in ICNAF stock regions 4V and 4W combined (metric tons round fresh)
Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963		13276			1013								7807	3301	48	62			25 507
1964		11445		30	1873								5000	4391	40	53			22 832
1965		8610		99	128								3359	42876		8			55 080
1966		10064											2855	10501	58	19	2		23 499
1967		8281											1911	554	40	5			10 791
1968		9647		29						10			3230	254					13 170
1969		9241		178									1495	235			1		11 150
1970		5769		16	1			1					2237	670		574			9 266
1971		125		1									2806	475		497			13 318
1972		2879	80	12				23					1472	104	27	73	16		4 686
							(GLOBAL QUOTAS)												(4 000)
1973																			(4 000)
							(GLOBAL QUOTAS)												
1974																			
							(GLOBAL QUOTAS)												(0)
1975																			

* QUOTA OF 4000 MT for 4W - 1972

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TABLE . Nominal catch of cod in ICNAF stock region 3Ps. (Metric tons round fresh). Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963																			
1964																			
1965																			
1966																			
1967																			
1968																			
1969																			
1970																			
1971																			
1972		22851	685	1436							109	6	18550	70			2		43 709
1973																			
		(9200)	(2000)	(4400)	(500)	(500)	(500)	(500)	(2500)	(500)	(1100)		(23000)	(3900)	(1900)				(50 500)
1974																			
		(40000)		(5300)					(1700)				(19000)	(2000)				(2000)	(70 000)
1975																			

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TABLE . Nominal catch of cod in ICNAF stock regions 3Pn and 4R combined (Metric tons round fresh).

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963																			
1964																			
1965																			
1966																			
1967																			
1968																			
1969																			
1970																			
1971																			
1972		21533	1847	13301							9021		1626		612				47 940
1973																			
1974																			
1975																			

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TABLE . Nominal catch of cod in ICNAF stock region 3M (metric tons round fresh). Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963																			
1964																			
1965																			
1966																			
1967																			
1968																			
1969																			
1970																			
1971																			
1972		7	6902	2693	506				261	35	32052	180	5020	5030	4126				56 812
1973																			
1974																			
		(3000)	(6700)	(8000)	(500)				(1400)	(800)	(8700)	(500)	(2200)	(5700)	(2300)			(200)	(40 000)
1975																			

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TABLE . Nominal catch of cod in ICNAF Stock regions 3N and 3Ø combined (Metric tons, round fresh)
Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963																			
1964																			
1965																			
1966																			
1967																			
1968																			
1969																			
1970																			
1971																			
1972	196	1736		14						29	11537	10	76324	8232	87		4		102 167
1973																			
		(12700)	(2909)	(601)	(1009)	(909)	(909)	(909)	(3309)	(1109)	(7709)	(909)	(41409)	(27100)	(2009)				(103 500)
1974																			
		(15000)	(1500)	(1000)					(2500)		(6500)		(45500)	(25100)	(1500)			(1500)	(100 100)
1975																			

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TABLE . Nominal catch of cod in ICNAF stock regions 2J, 3K, and 3L combined (Metric tons round fresh)
Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963																			
1964																			
1965																			
1966																			
1967																			
1968																			
1969																			
1970																			
1971																			
1972		66439	332	14015	29533	10			598	39128	65536	2496	59100	143451	6911		27022		454 590
1973		(71064)	(13896)	(51352)	(41336)	(6224)	(6056)	(6000)	(17480)	(40944)	(121384)	(7008)	(91512)	(81536)	(19708)				(575 500)
1974		(60000)	(13800)	(51100)	(43000)		(4000)	(6000)	(18100)	(43400)	(133600)	(7000)	(94800)	(94700)	(20200)		(15000)	(2000)	(606 700)
1975																			

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TABLE . Nominal catch of haddock in ICNAF stock region 3. (Metric tons round fresh)
Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963		9275	35	1137	25	6				43			3210	372	275	1	52		14 431
1964		6869	45	1083	2	52							1904	1943	385	1	169		12 353
1965		2714	91	533		79							3230	1416	549				8 612
1966		1666	19	935		6							2187	4435	596				9 854
1967		1741	13	443									3651	5317	362		15		11 542
1968		1364	28	172									3792	1173	16				6 545
1969		2516	76	969									1743		17				5 321
1970		2630	50	1159				6				4	3111	157					7 117
1971		1299	37	58									3191	479	12				5 076
1972		825		52									2404	342	162				3 785
1973																			
1974																			
1975																			

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TABLE . Nominal catch of American plaice in ICNAF stock regions 3L, 3N, and 3Ø combined (metric tons round fresh)
Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963																			
1964																			
1965																			
1966																			
1967																			
1968																			
1969																			
1970																			
1971																			
1972		41605		322						2515	250	448	5	14194	36		16		59 391
1973		(41600)	(100)	(1200)	(100)	(100)	(100)	(700)	(100)	(1100)	(700)	(900)	(700)	(11400)	(800)	(100)			(60 000)
1974		(48000)		(900)						(900)				(9000)				(1200)	(60 000)
1975																			

TABLE . Nominal catch of yellowtail flounder in ICNAF stock regions 3L, 3N, and 3Ø combined (metric tons round fresh). Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963																			
1964																			
1965																			
1966																			
1967																			
1968																			
1969																			
1970																			
1971																			
1972	33	26939		358										11929					39 259
1973		(35500)	(100)	(700)	(100)	(100)	(100)	(700)	(100)	(100)	(700)	(800)	(700)	(9500)	(700)	(100)			(50 000)
1974		(32400)												(7000)				(600)	(40 000)
1975																			

TABLE . Nominal catch of cod in ICNAF stock regions 2G and 2H combined (Metric tons round fresh). Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963																			
1964																			
1965																			
1966																			
1967																			
1968																			
1969																			
1970																			
1971																			
1972		4		86	113				653	2792	173	2		9748	113		4		13 690
1973																			
1974				(500)	(4000)				(900)	(4500)	(3200)	(400)	(500)	(2600)	(800)		(1000)	(600)	(19 000)
1975																			

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TABLE . Nominal catch of cod in ICNAF stock regions 1A-1F combined (Metric tons round fresh). Values in parentheses indicate Total Allowable Catches.

YEAR	BULG	CAN	DEN	FRA	FRG	ICE	ITA	JAP	NOR	POL	POR	ROM	SPA	USSR	UK	USA	GDR	OTH	TOTAL
1963																			
1964																			
1965																			
1966																			
1967																			
1968																			
1969																			
1970																			
1971																			
1972			33351	5515	16833				31540		8485	-	12951	1021	846		77		110 619
1973																			
1974																			
			(30000)	(6300)	(27800)				(8000)		(10000)		(7400)	(1000)	(3500)			(1000)	(95 000)
1975																			

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U.S. 1970, 63, & 1972 Landings Statistics by Division

The following table lists the U.S. catch statistics by divisions for the past decade.

TABLE . USA landings of cod by ICNAF areas.
(Metric tons round fresh)

YEAR	3L	3N	3Ø	3Pn	3Ps	4R	4S	4T	4Vn	4Vs	4W	4X	5Y	5Z	5Ze	5Zw	5Nk	6A	6B	6Nk
1963								1	1	2	42	1301	2595	13904			235			1040
1964						1			1	1	26	1413	3226	12325						413
1965										6	13	871	3780	11410						274
1966											17	966	4008	11794						196
1967											8	1445	5676	12742						415
1968											1	859	6360		13541	1426		26		286
1969	40											448	8157		14954	1402		144		282
1970	55					3			5		108	499	7812		13353	1182		101		263
1971						4	1				91	239	7380		14999	796		125		258
1972									73		269	323	6776		12478	662		100		166
1973																				
1974																				
1975																				

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TABLE . USA landings of other flounders by ICNAF area.
(Metric tons round fresh).

YEAR	3L	3N	3Ø	3Pn	3Ps	4R	4S	4T	4Vn	4Vs	4W	4X	5Y	5Z	5Ze	5Zw	5NK	6A	6B	6NK
1963													2451	9985			53			5377
1964													2640	17915						5002
1965													2448	14948						6420
1966													2597	18695						7156
1967													2904	15932						6771
1968													2904		7670	4872		123		4679
1969													3231		9428	4054		644		3260
1970													3053		10253	3988		450		4259
1971													2930		10535	2541		607		4105
1972											69	13	2799		8151	2007		561		3855
1973																				
1974																				
1975																				

TABLE . USA landings of haddock by ICNAF area.
(Metric tons round fresh)

YEAR	3L	3N	3Ø	3Pn	3Ps	4R	4S	4T	4Vn	4Vs	4W	4X	5Y	5Z	5Ze	5Zw	5Nk	6A	6B	6Nk
1963						1			1	1	60	7223	474	44126			24			41
1964										11	42	8488	5383	46512						22
1965											8	3685	4204	52823						6
1966											19	2473	4579	52918						13
1967											5	5014	4907	34728						24
1968							1					3156	3437		25197	272		1		7
1969												1830	2423		16443	13				13
1970									2		574	1743	1457		8400	15				2
1971											497	751	1194		7301	5				8
1972									3		70	448	909		3866	3		1		
1973																				
1974																				

TABLE . USA landings of sea herring by ICNAF area
(Metric tons round fresh).

YEAR	3L	3N	3Ø	3Pn	3Ps	4R	4S	4T	4Vn	4Vs	4W	4X	5Y	5Z	5Ze	5Zw	5Nk	6A	6B	6Nk
1963													69885	205			21			117
1964													27716	268						221
1965													33634	861						330
1966													29365	1224						3084
1967													31158	620						591
1968													41476		9	598				151
1969													28687		832	1261		1331		254
1970													29181		272	1031		488		220
1971													31491		1194	1205		263		1160
1972													38196		11	2249		101		421
1973																				
1974																				
1975																				

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TABLE . USA landings of mackerel by ICNAF area.
(Metric tons round fresh).

YEAR	3L	3N	3Ø	3Pn	3Ps	4R	4S	4T	4Vn	4Vs	4W	4X	5Y	5Z	5Ze	5Zw	5Nk	6A	6B	6Nk
1963													837	179			186			118
1964													1217	47						380
1965													1124	343						531
1966													1831	72						821
1967													2662	554						675
1968													2307		472	222		7		921
1969													3420		6	447		3		488
1970													2601		351	140		7		950
1971													1464		2	127		15		798
1972													937		5	83		20		961
1973																				
1974																				
1975																				

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TABLE . USA landings of other fish by ICNAF area.
(Metric tons round fresh).

YEAR	3L	3N	3Ø	3Pn	3Ps	4R	4S	4T	4Vs	4W	4X	5Y	5Z	5ZE	5ZW	5NK	6A	6B	6NK
1963												8305	4802			4125			55116
1964												11724	13849			93			110989
1965												11398	15936			1082			109014
1966												12875	18930						71933
1967												12501	21281			334			56310
1968												7535		1273	19848		565		49363
1969												7756		3722	14023	32	2936		48577
1970												7764		1124	11385	190	469		41003
1971												9701		1364	5806	69	2148		33402
1972												6322		1270	4652		1468	20	21214
1973																			
1974																			
1975																			

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TABLE . USA landings of pollock by ICNAF area.
(Metric tons round fresh).

YEAR	3L	3N	3Ø	3Pn	3Ps	4R	4S	4T	4Vn	4Vs	4W	4X	5Y	5Z	5Ze	5Zw	5NK	6A	6B	6NK
1963								1		28	426	1526	2002	2658						3
1964		2								4	139	1095	1635	3131						2
1965											36	351	1774	3140						2
1966						159					2	618	881	2242						48
1967											3	525	1195	1587						2
1968									149			146	1342		1586	53				4
1969						130	3					436	1284		2219	4				
1970						1					39	345	1369		2221	2				3
1971						6					22	136	1690		3037			2		3
1972									2		49	435	3171		2067	4		1		
1973																				
1974																				
1975																				

TABLE . USA landings of red hake by ICNAF area.
(Metric tons round fresh).

YEAR	3L	3N	3Ø	3Pn	3Ps	4R	4S	4T	4Vn	4Vs	4W	4X	5Y	5Z	5Ze	5Zw	5NK	6A	6B	6NK
1963												5	579	2584			3			668
1964													143	24430						601
1965													192	13301						624
1966											1	87	634	3646						590
1967											2	165	552	6210						579
1968												77	589		545	6097		20		347
1969													143		51	4732		460		299
1970													249		100	3932		248		411
1971													268		111	2404		356		465
1972												1	367		160	1176		270		547
1973																				
1974																				
1975																				

TABLE . USA landings of redfish by ICNAF area.
(Metric tons round fresh)

YEAR	3L	3N	3Ø	3Pn	3Ps	4R	4S	4T	4Vn	4Vs	4W	4X	5Y	5Z	5Ze	5Zw	5NK	6A	6B	6NK
1963	9	8160	2881		1048	3162	1513	204	1217	5268	7682	9115	6785	2086						
1964		2791	1675		228	5266	6838	174	1061	6280	3252	5048	6137	1675						
1965	62	236		107	367	11966	5051	82	318	1957	5689	5118	5045	1941						
1966		131	7	81	128	10400	2256	110	391	565	7094	8629	4719	2485						
1967		24		96	29	11173	4408		891		2335	3189	6746	3696						
1968			2	196		11430	5007		3219	17	767	632	4062		2516					
1969	10				23	7414	4708		149		606	387	9640		2401					
1970						5322	2270		179		1440	330	13551		1983					
1971						2097	2565	44	636	439	2030	3156	12541		3726					
1972						784	327		27	197	6439	5702	7150		6007			1		
1973																				
1974																				
1975																				

TABLE . USA landings of sea scallops by ICNAF area.
(Metric tons round fresh).

YEAR	3L	3N	3Ø	3Pn	3Ps	4R	4S	4T	4Vs	4W	4X	5Y	5Z	5Ze	5Zw	5NK	6A	6B	6NK
1963												1054	65887			1164			8108
1964												1603	52471						8989
1965												954	12578						29023
1966												773	7510						52036
1967												669	10244						27764
1968												940		8280	467		16260	4051	25619
1969												1022		11034	155		4530	2561	8703
1970												1099		11789	50		3593	347	4888
1971												3014		11073	55		2285		5170
1972												4370		6837	19		2205	3228	5451
1973																			
1974																			
1975																			

TABLE . USA Landings of silver hake by ICNAF area.
(Metric tons round fresh)

YEAR	3L	3N	3Ø	3Pn	3Ps	4R	4S	4T	4Vn	4Vs	4W	4X	5Y	5Z	5Ze	5Zw	5NK	6A	6B	6NK
1963												5	22933	16272			42			2775
1964													31584	21561						2984
1965												27	22676	19135						3299
1966													21495	19276						3277
1967												1	14653	16377						4416
1968												1	24706		6451	4762		39		3362
1969													14632		1654	4070		429		2736
1970													11384		4238	3757		257		1991
1971											1		8263		3069	2000		542		2447
1972													5570		879	1605		276		3947
1973																				
1974																				
1975																				

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TABLE . USA landings of squid by ICNAF area.
(Metric tons round fresh).

YEAR	3L	3N	3Ø	3Pn	3Ps	4R	4S	4T	4Vn	4Vs	4W	4X	5Y	5Z	5Ze	5Zw	5NK	6A	6B	6NK
1963																	1210			895
1964																	189			740
1965																	387			767
1966																	193			980
1967																	913			916
1968																	903			859
1969																	739			722
1970																	483			578
1971													317		13	381		33		438
1972													45		7	407		75		663
1973																				
1974																				
1975																				

TABLE . USA landings of yellowtail flounder by ICNAF area.
(Metric tons round fresh).

YEAR	3L	3N	3Ø	3Pn	3Ps	4R	4S	4T	4Vn	4Vs	4W	4X	5Y	5Z	5Ze	5Zw	5NK	6A	6B	6NK
1963												30	1590	33629						2312
1964												36	1285	35055						1809
1965											1	20	1044	36146						2117
1966												14	1168	29852						2240
1967												29	909	24507						5340
1968												23	990		21859	9735		675		2596
1969	1											19	871		22492	9651		1550		2336
1970											1	20	841		24058	7021		1428		2622
1971											2	10	981		17981	3379		2993		3874
1972												4	1005		18817	4368		5114	1	3659
1973																				
1974																				
1975																				

STATUS OF U.S. PROPOSAL FOR TOTAL FISHING EFFORT

The Assessment Committee and the Effort Working Group of STACREM will be considering studies on the relative catchability based on individual vessels. At the annual 1974 meeting data from the various countries are expected to be submitted and analyzed sometime during the following year. Further action on effort regulations awaits the outcome of the research studies. The United States will continue to press for the thorough consideration of the practical aspects of such regulations by STACREM.