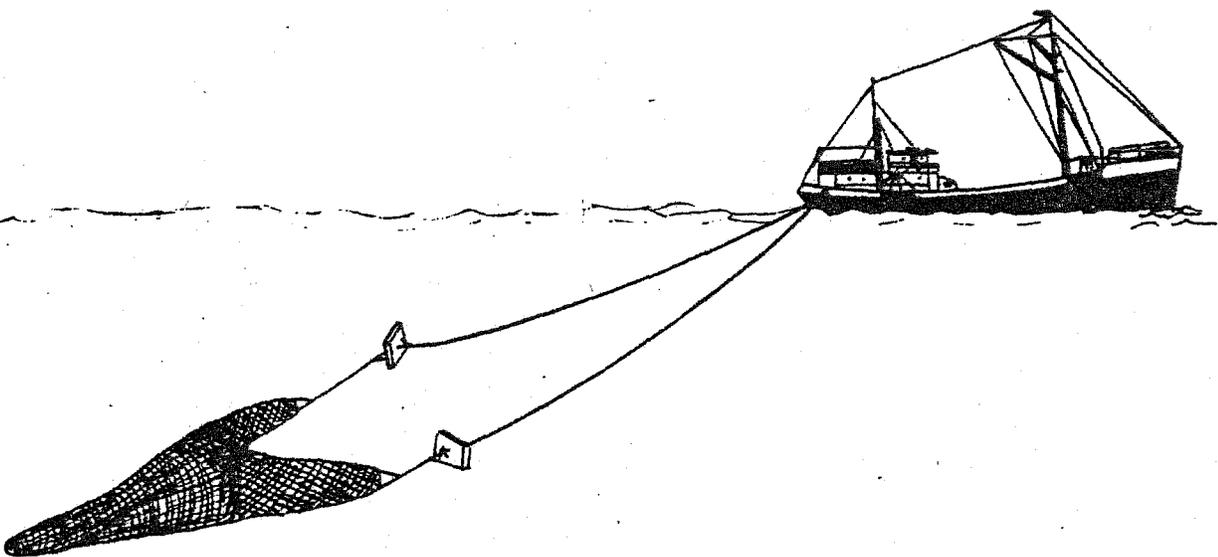


**STOCK CATALOGUE
OF THE
NEW ENGLAND FISHERIES**

FIRST QUARTER, 1971

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Laboratory Reference No. 71-7

SECTION I

1970 LANDINGS IN THE ICNAF CONVENTION AREA

Preliminary nominal catch data for 1970 have been released by ICNAF. Landings of all species (finfish and shellfish) from the convention area were 6.93 billion pounds, an 11 percent decrease from 1969. Total finfish landings were 7.58 billion pounds in 1970--6 percent below the 1969 total.

Total 1970 landings from Subarea 5, the major fishing grounds of U.S. fishermen off New England, were 1.44 billion pounds, which represents a 23 percent decrease when compared with 1969 landings. The only major species that registered a gain in 1970 was the redfish with 36.8 million pounds being landed from SA 5, 35 percent above 1969.

Landings in 1970 by country and areas most commonly fished by U.S. fishermen for six of the more important commercial species to the United States are listed in Table 1. Trends in landings (1961-1970) by Canada, USSR, United States and all countries of seven species for subareas most commonly fished by U.S. vessels are presented in Figures 1 through 10.

TABLE 1

LANDINGS IN THE ICNAF CONVENTION AREA FOR 1970 BY COUNTRY

AND FOR DIVISIONS MOST COMMONLY FISHED BY THE U.S.

(Landings in millions pounds. Live weight.)

Country and Species	4RST Gulf of St. Lawrence	4W Nova Scotian	4X Shelf	Total Subarea 4	5Y Gulf of Maine	5Ze Georges Bank	5Zw Southern New England	Total Subarea 5	Total Convention Area Subareas 1-5
<u>Cod</u>									
Canada	189.4	55.7	39.7	284.7	0.1	5.7		5.8	579.6
Germany		T		T	T	T		T	226.1
Denmark									100.4
Norway									94.9
Poland		T		T		1.3	0.1	1.4	109.3
Portugal	40.7	5.8		46.4					358.6
Spain	18.5	120.4	8.0	146.9	0.8	0.1	15.1	16.0	590.6
USSR		5.6	T	5.6		0.5	0.3	0.8	250.4
UK									14.2
USA	T ^{2/}	0.3	1.1	1.4	16.5	29.4	2.6	48.6	51.8
Total ^{1/}	316.7	198.0	48.8	563.7	17.5	42.4	18.1	78.0	2536.0
<u>Haddock</u>									
Canada	1.3	12.7	35.3	49.3	0.1	4.4		4.4	59.5
Spain		4.9	0.8	5.7	0.1	1.7		1.9	14.5
USSR		1.5	T	1.5		0.2	T	0.2	2.1
USA		1.3	0.4	5.1	3.2	18.5	T	21.7	26.8
Total	1.3	20.4	40.0	61.7	3.4	24.9	T	28.3	105.7

TABLE 1
(Continued)

Country and Species	4RST Gulf of St. Lawrence	4W Nova Scotian Shelf	4X Shelf	Total Subarea 4	5Y Gulf of Maine	5Ze Georges Bank	5Zw Southern New England	Total Subarea 5	Total Convention Area Subareas 1-5
<u>Redfish</u>									
Canada	175.8	25.6	8.1	209.5	0.2	0.6		0.8	235.7
Germany					T	T		T	8.9
Japan				1.1					3.3
Poland		0.8		0.8		0.1		0.1	12.9
USSR		28.3	0.8	29.1					167.6
USA	16.7	3.6	0.7	21.0	29.9	4.4		34.3	55.2
Total	193.1	59.7	9.7	263.5	30.1	6.6		36.7	491.0
<u>Silver hake</u>									
USSR		361.6	10.8	372.4		45.3	18.6	63.9	436.3
USA					25.1	9.3	8.3	42.7	42.7
Total		361.7	10.8	372.7	25.1	54.8	26.9	106.8	479.6
<u>Yellowtail</u>									
Canada	0.1	1.6	0.3	2.1	T	0.2		0.2	53.1
Romana		2.0		2.0		3.1		3.1	5.0
USSR				6.0		0.9	5.5	6.4	19.9
USA		T	T	T	1.8	53.0	15.5	70.3	70.4
Total	0.1	3.6	0.4	10.0	1.8	57.1	21.0	79.9	148.9

TABLE 1
(Continued)

Country and Species	4RST Gulf of St. Lawrence	4W Nova Scotian Shelf	4X Shelf	Total Subarea 4	5Y Gulf of Maine	5Ze Georges Bank	5Zw Southern New England	Total Subarea 5	Total Convention Area Subareas 1-5
<u>Red hake</u>									
USSR		2.5	T	2.6		4.0	10.4	14.4	16.9
USA					0.5	0.2	8.7	9.4	9.4
Total		2.5	T	2.6	0.5	4.2	19.0	23.7	26.4
<u>Herring</u>									
Canada	398.2	75.2	270.1	743.5	11.0	T		11.0	1052.7
Germany		12.5		12.5	13.4	180.3	0.8	194.5	207.0
Poland		2.6		2.6	0.1	119.6	1.3	121.0	123.6
USSR		157.8	1.0	158.8		69.8	16.6	86.4	245.1
USA					64.3	0.6	2.3	67.2	67.2
Total	398.2	248.5	271.1	917.8	88.9	370.7	21.0	480.6	1699.1

1/ Total includes all ICNAF countries.

2/ "T" = landings 0.05 million lbs.

HADDOCK
SA 4

LANDINGS (MILLIONS OF POUNDS)

200
160
120
80
40
0

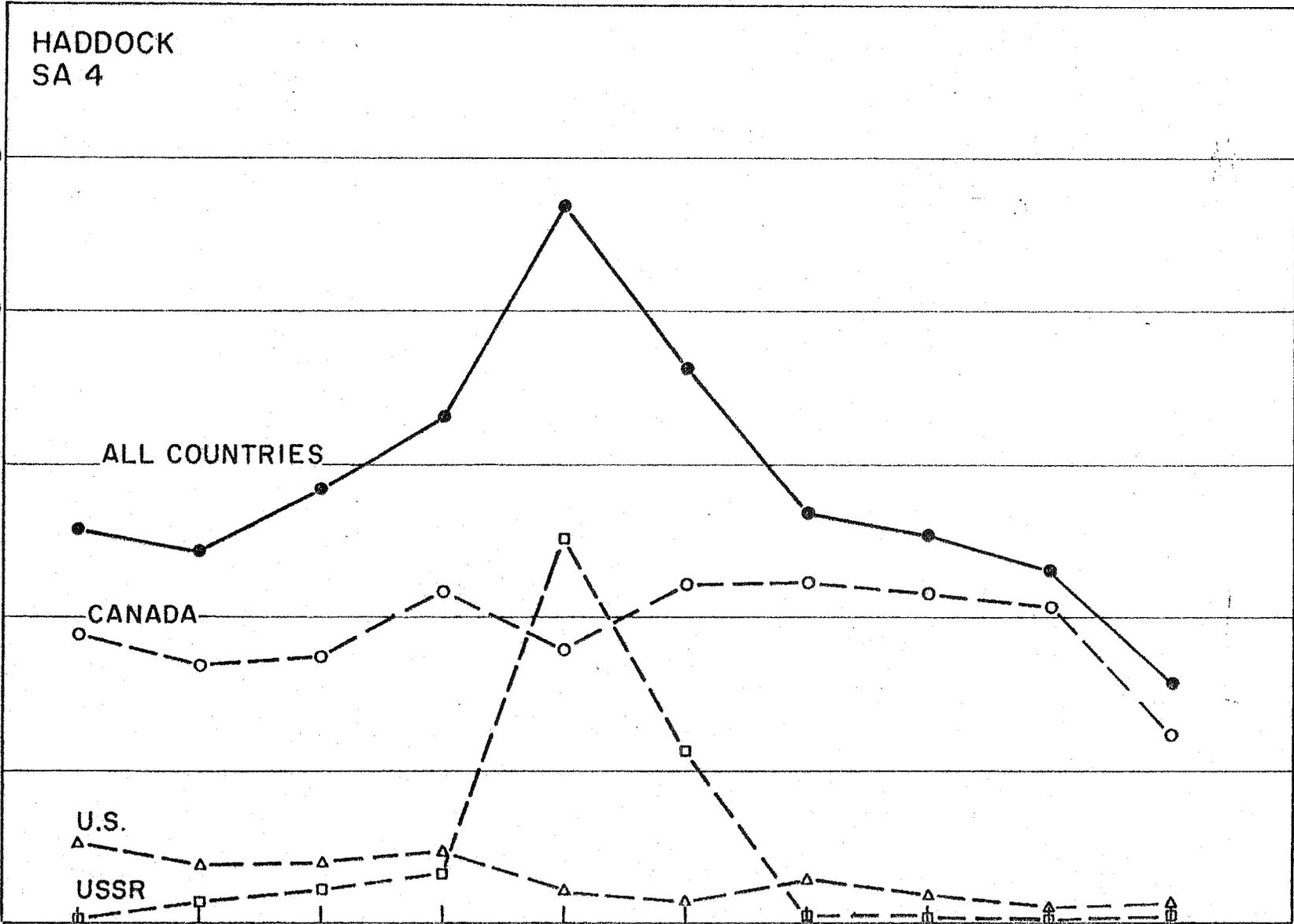
1961 1962 1963 1964 1965 1966 1967 1968 1969 1970

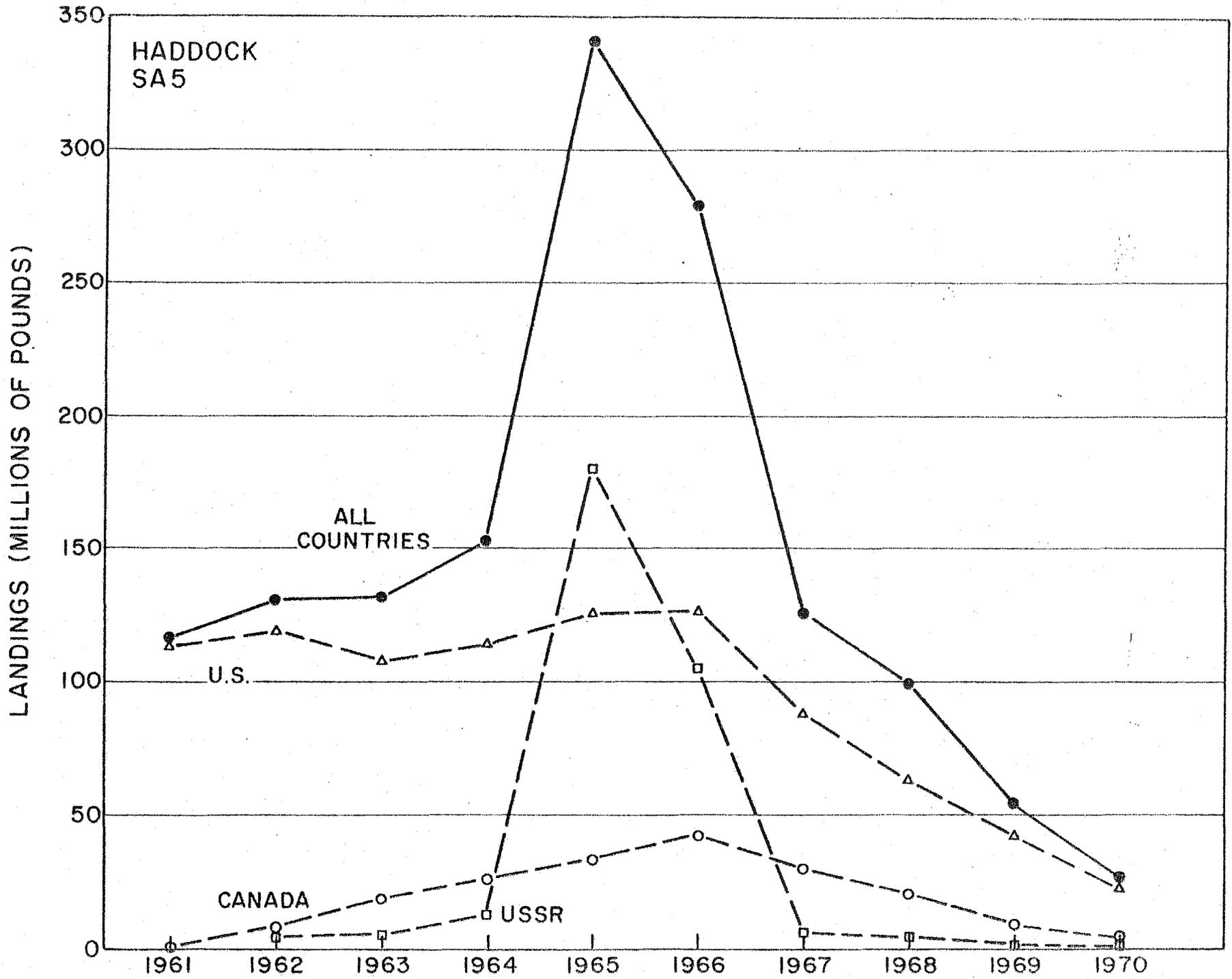
ALL COUNTRIES

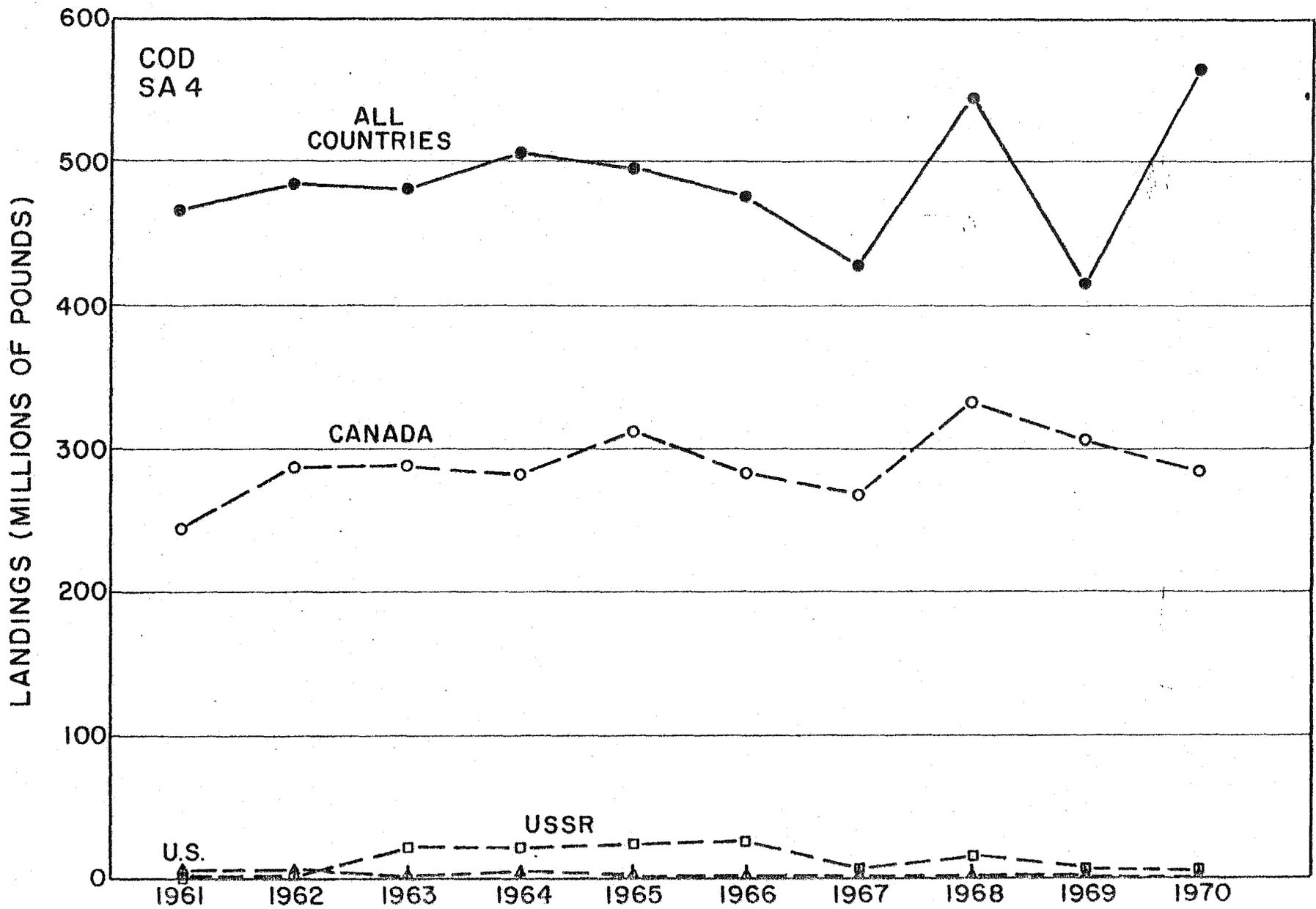
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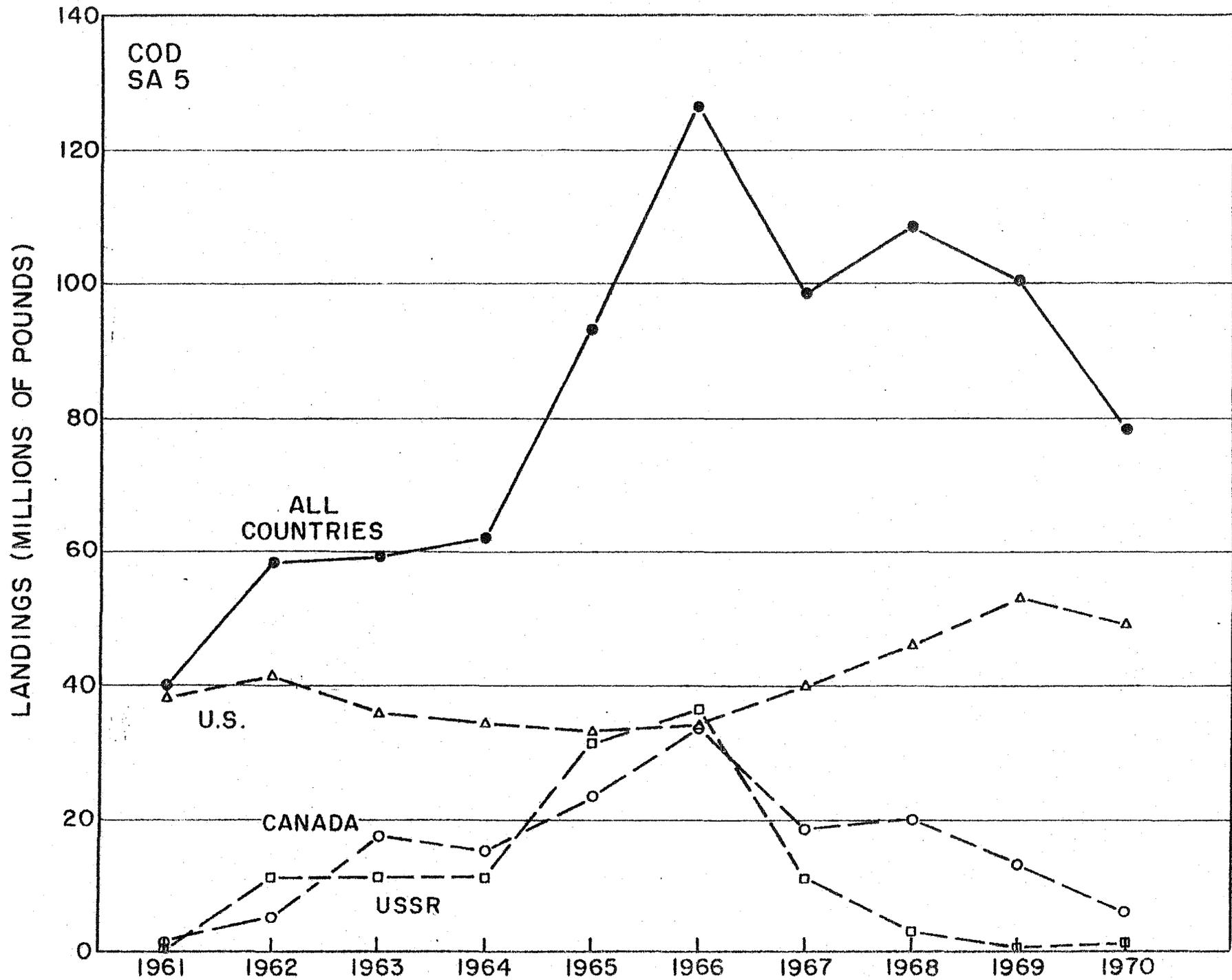
U.S.

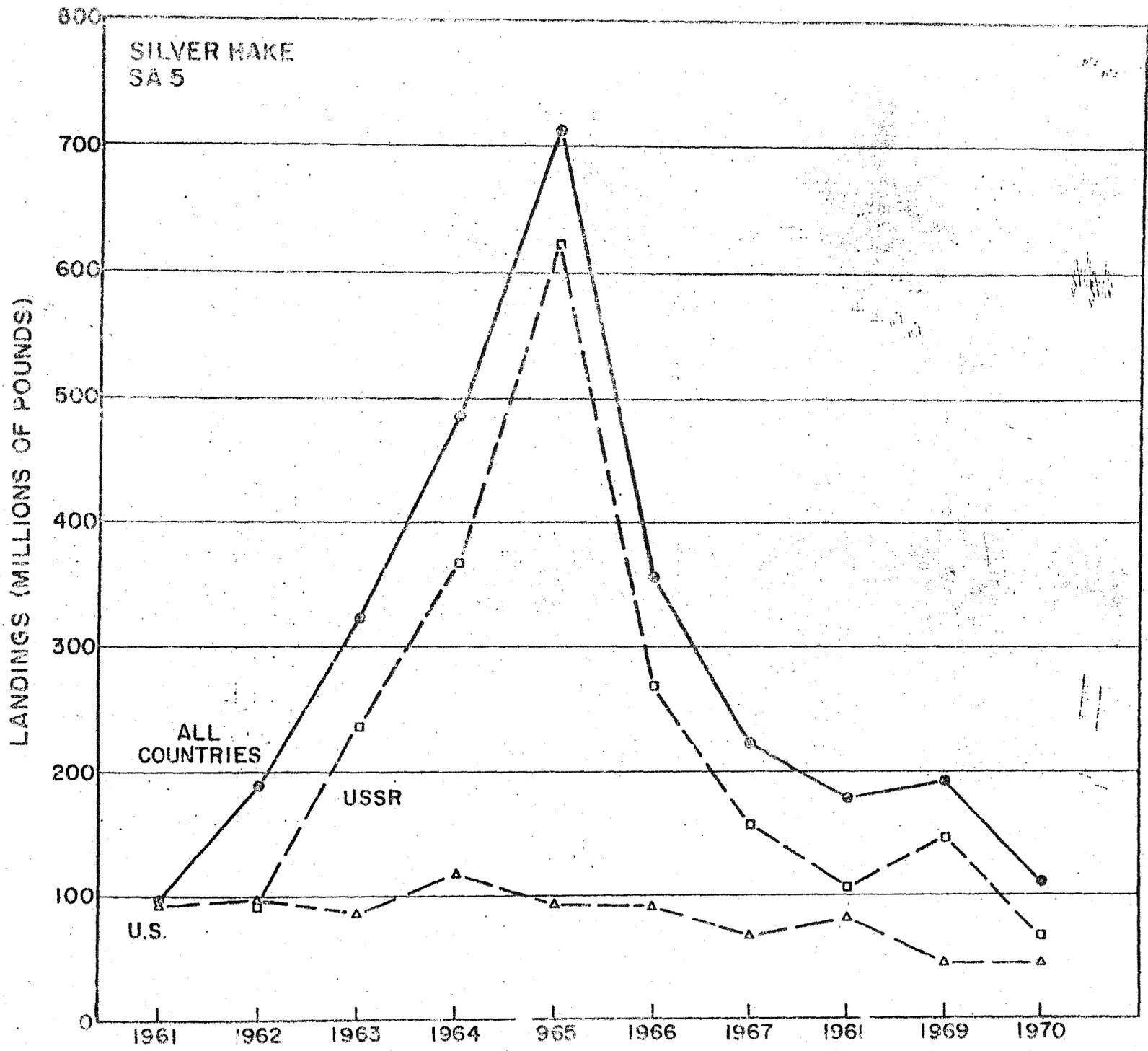
USSR

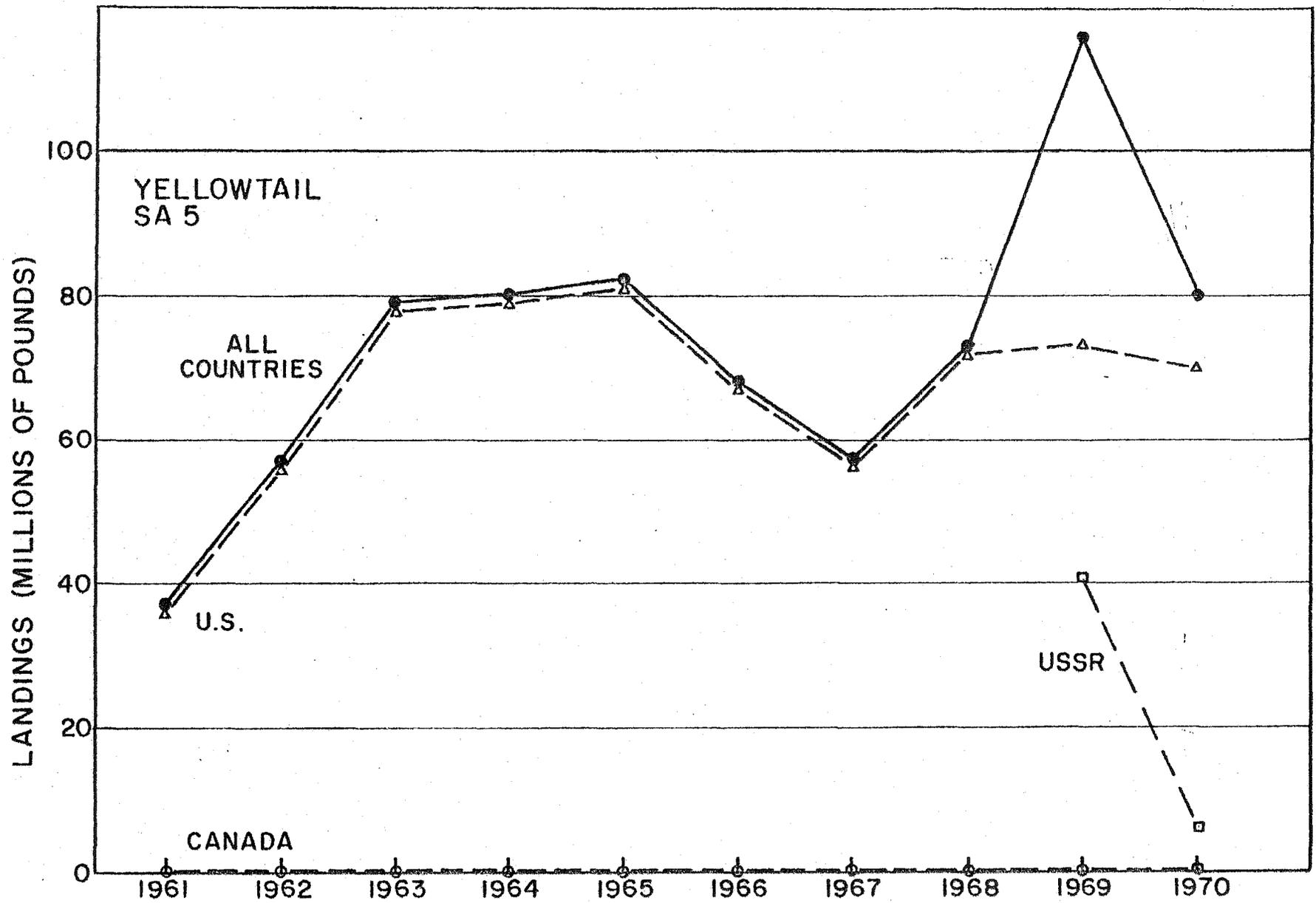


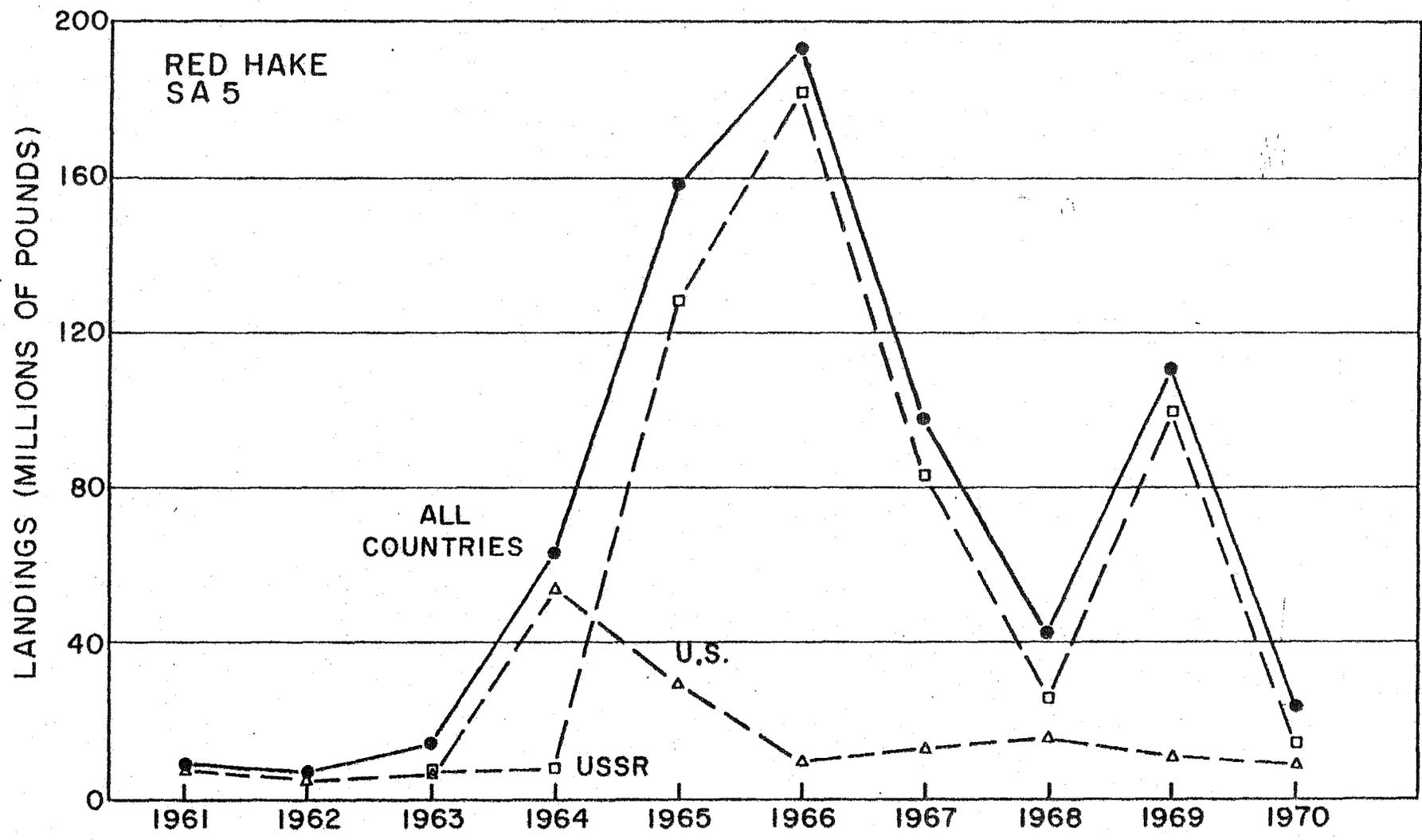


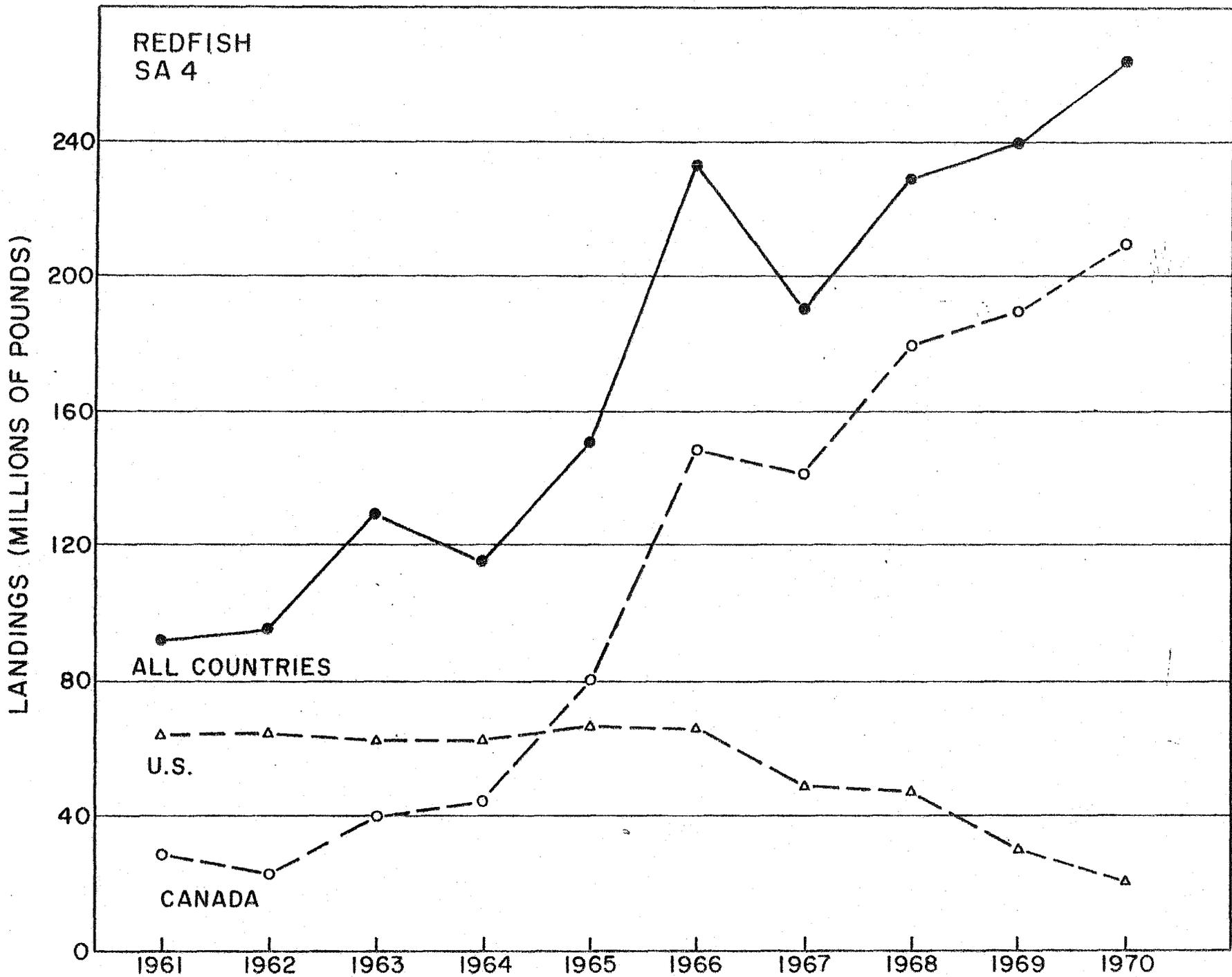


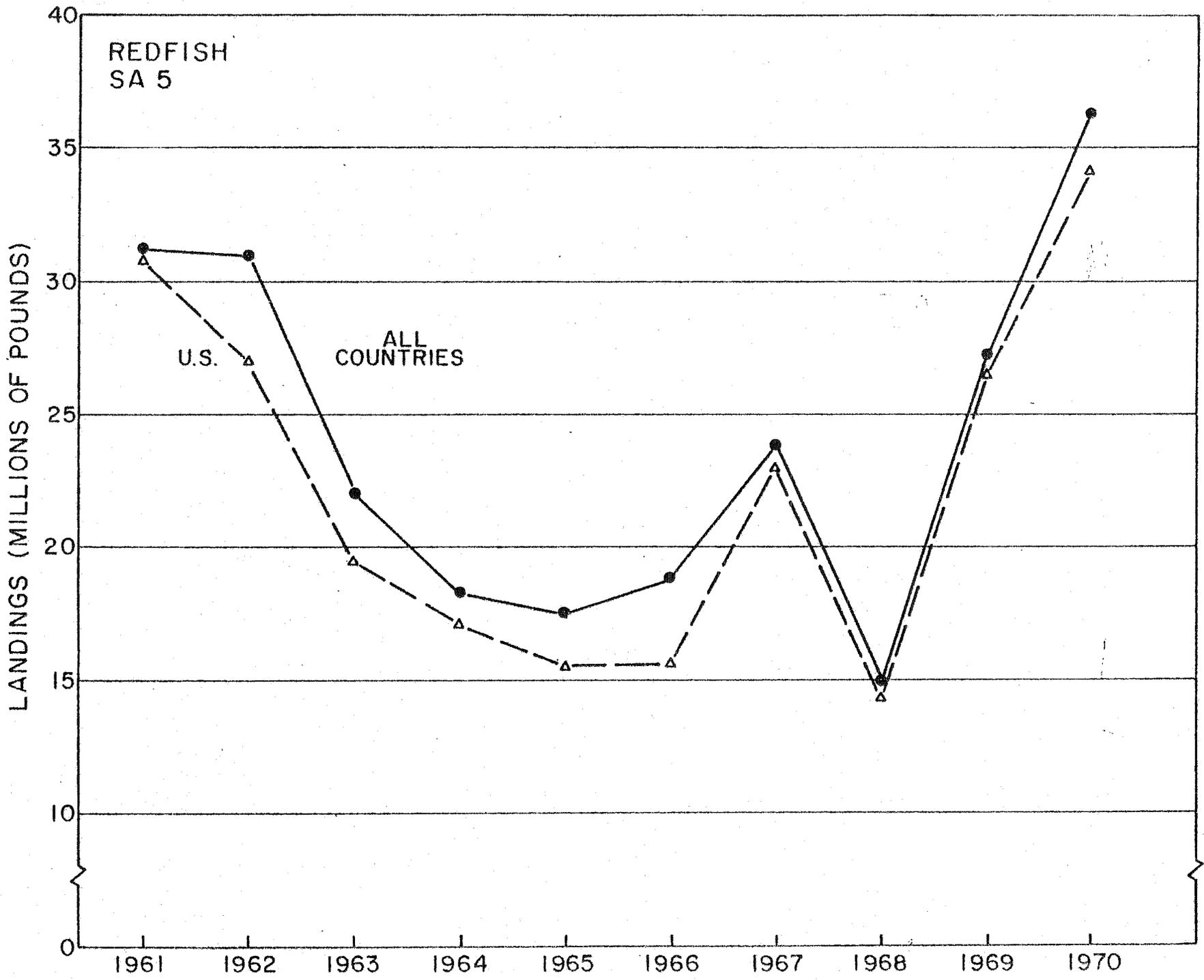


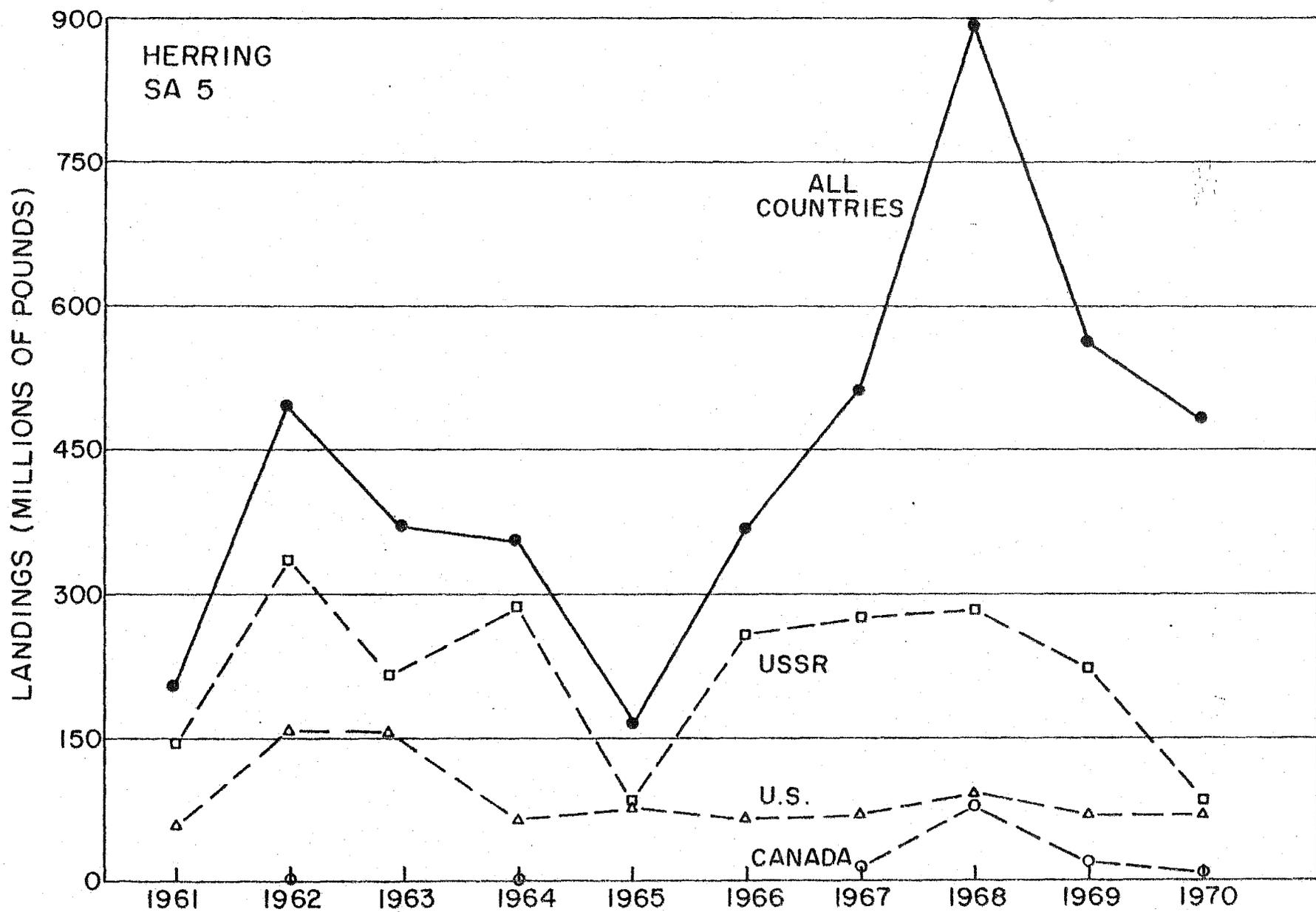












SECTION II

U.S. STATISTICS, FIRST QUARTER, 1971

HADDOCK

ICNAF management regulations in effect in 1970 on haddock in Division 4X (Brown's Bank and Western Nova Scotia) and Subarea 5 (Georges Bank and Gulf of Maine) will continue in 1971. These regulations specify areas closed to fishing in March and April (Figure 11) and annual landing quotas of 18 thousand metric tons (39.7 million pounds) in Division 4X and 12 thousand metric tons (26.5 million pounds) in Subarea 5.

At the close of the first quarter total landings (millions of pounds, live weight) were reported as follows:

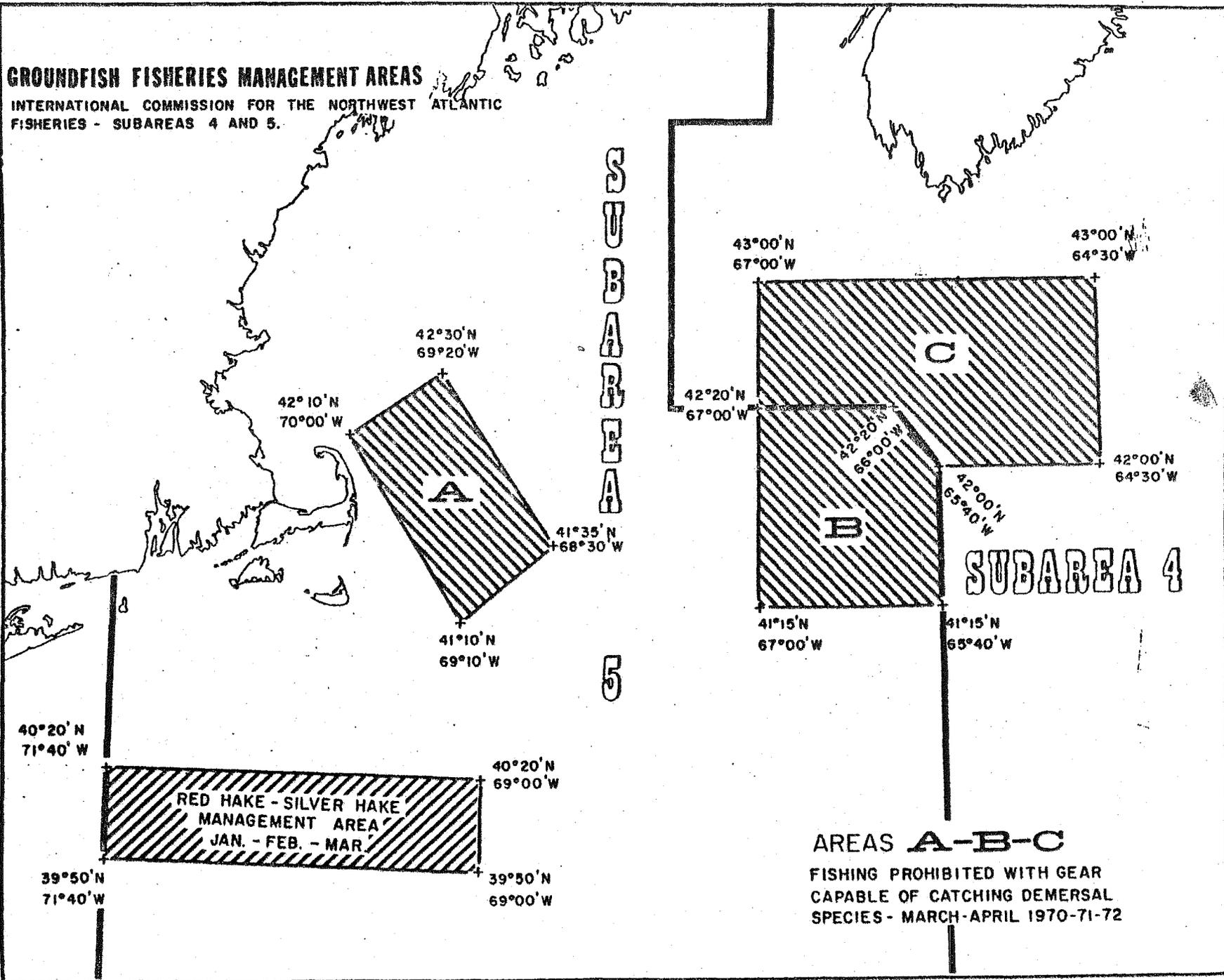
	SA 5 (Quota 26.5)		DIV 4X (Quota 39.7)	
	1971	1970	1971	1970
U.S.	3.8	4.0	0.8	0.4
Other Countries	0.2	0.6	5.9	4.4
Total	4.0	4.6	6.7	4.9
Percent of Total Quota	15.1	17.4	17.0	12.3

Total U.S. haddock landings during the first quarter of 1971 were 4.7 million pounds, about the same as for this period in 1970 (Table 2). Landings from Georges Bank were slightly higher for the first quarter 1971 than for 1970; however, landings are greatly reduced from the 1960's. Again this year, U.S. vessels fished eastern Nova Scotia in March (when Browns and Georges Banks were closed) landing 503 thousand pounds for an 84 percent increase over the same period in 1970.

Landings-per-day (Table 2) and abundance (Figure 12) continued at a low level on all grounds as predicted. With poor recruitment into the fishery, total haddock population will remain at an extremely low level and it is unlikely that present quota levels will aid in building up the haddock stock.

GROUNDFISH FISHERIES MANAGEMENT AREAS

INTERNATIONAL COMMISSION FOR THE NORTHWEST ATLANTIC FISHERIES - SUBAREAS 4 AND 5.

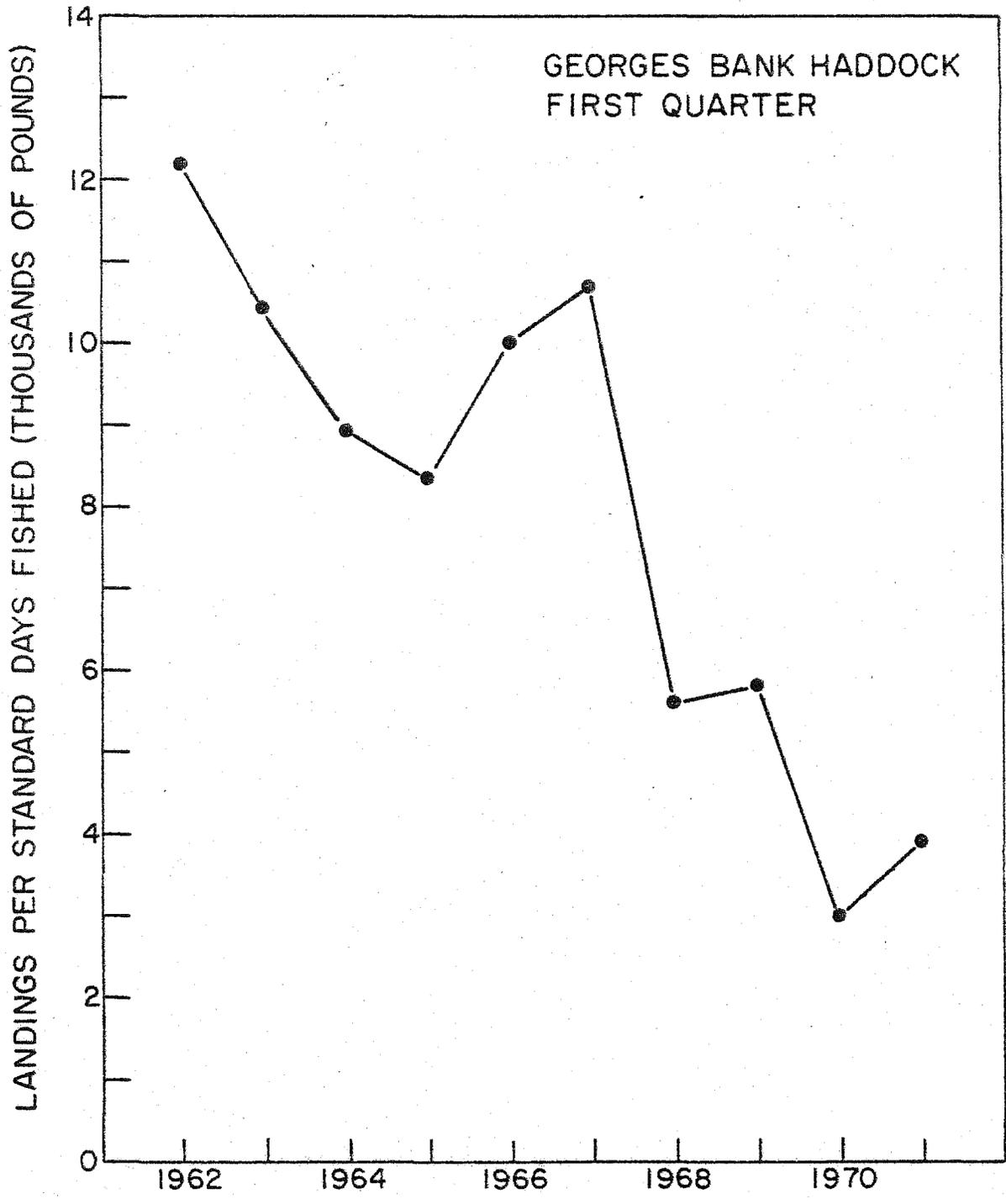


AREAS A-B-C
FISHING PROHIBITED WITH GEAR
CAPABLE OF CATCHING DEMERSAL
SPECIES - MARCH-APRIL 1970-71-72

TABLE 2

HADDOCK FIRST QUARTER STATISTICS, 1971-1970

Market Category	<u>Landings</u>		<u>Landings/Day</u>	
	1971	1970	1971	1970
<u>Georges Bank</u>				
Scrod	238	399	247	723
Large	2902	2484	3435	2589
Total	3140	2883	3682	3312
<u>Browns Bank</u>				
Scrod	101	218	2259	3812
Large	224	185	4581	3164
Total	325	403	6840	6976
<u>Gulf of Maine</u>				
Scrod	53	197	-	-
Large	653	755	-	-
Total	706	952	-	-
<u>Bay of Fundy</u>				
Scrod	-	3	-	933
Large	-	11	-	3213
Total	-	14	-	4146
<u>Eastern Nova Scotia</u>				
Scrod	258	66	4472	3207
Large	245	207	5419	9864
Total	503	273	9891	13071
<u>Total</u>				
Scrod	650	883	2413	1945
Large	4024	3642	3655	3150
Total	4674	4525	6068	5090



YELLOWTAIL

ICNAF catch quotas went into effect as of 7 January 1971 in ICNAF Subarea 5. A quota of 13,000 metric tons (28.7 million pounds) was set for the area west of 69° (Southern New England and Cape Cod Grounds) and 16,000 metric tons (35.3 million pounds) for the area east of 69° (Georges Bank). Discards and industrial landings are included along with food fish landings in the total allotment.

The United States has further defined quarterly quotas for its fleet in order to preserve some fishing in all quarters. These quotas can be adjusted quarterly to take into account previous quarters' discards, industrial landings and food landings not included in initial tallies.

U.S. Quarterly Yellowtail Quotas

	W of 69° MT Lbs. (1000's)		E of 69° MT Lbs. (1000's)	
1	2600	5732	1900	4189
2	1400	3086	3800	8377
3	1850	4078	4400	9700
4	1000	2205	1200	2646

At the end of the first quarter, the following yellowtail catches were reported to ICNAF by the United States:

E of 69°--2,308 MT (5,088,183 pounds)

W of 69°--3,469 MT (7,647,707 pounds)

Total U.S. landings for food during the first quarter, 1971 were about 14 million pounds, a 20 percent decline from the same period in 1970 (Table 3). The only area that registered a sizable gain in landings was the Middle Atlantic grounds. The majority of this increase was probably the result of added fishing effort after the closure of the southern New England Area on March 4.

Total estimated U.S. catch of yellowtail (food landings, industrial landings and discards) for southern New England grounds declined about 30 percent in the first quarter, 1971 when compared with the same period in 1970. Total catch on Georges Bank declined 37 percent for the same comparison (Table 4). Industrial landings for southern New England decreased drastically. Estimated discards were also lower for both major grounds, although the percent of landings discarded was slightly higher in 1971 as compared with the 1970 period.

Discard estimates beginning in 1971 are being obtained from a sea sampling program, dockside interviews and analysis of groundfish survey data. Personnel of the National Marine Fisheries Service (NMFS) are being placed aboard cooperating fishing vessels, and actual counts of discards are being taken along with length-frequency measurements and scale samples to determine age composition of discards. Previous to 1971, discard estimates were obtained only from vessel captains by interview (after the completion of a fishing trip).

Landings-per-day were generally lower in 1971 than for 1970 (Table 3). The slight increase for southern New England probably does not represent any significant increase in abundance since assessment studies have indicated a decrease in stocks, especially for southern New England grounds.

TABLE 3

YELLOWTAIL FOOD LANDINGS, FIRST QUARTER

(Landings in thousands of pounds. Live weight.)

Area	Landings		Landings/Day	
	1971	1970	1971	1970
Southern New England	6291	8660	5950	5727
Georges Bank	4340	7211	4294	5266
Mid-Atlantic	2153	339	11447	5906
Cape Cod Grounds	907	887	3524	4898
Total	13691	17097	5397	5493

TABLE 4

YELLOWTAIL ESTIMATED CATCH FOR THE TWO MAJOR FISHING AREAS

FIRST QUARTER 1970 AND 1971

(Landings in thousands of pounds. Live weight.)

Category	So. New England		Georges Bank	
	1971	1970	1971	1970
Food Landings	6291	8660	4340	7211
Estimated Percent Discard	24.3	21.0	21.4	15.9
Estimated Discard	1528	1819	929	1147
Industrial Landings	80	732	-	-
Total Catch	7899	11211	5269	8358

OTHER SPECIES

First quarter statistics for other New England fisheries are presented in Tables 5 and 6.

TABLE 5

FIRST QUARTER STATISTICS FOR OTHER FOOD FISH

(Landings in thousands of pounds, live weight.)

Species	Area	Landings		Landings/Day	
		1971	1970	1971	1970
Cod	Georges Bank	7422	5614	6639	4861
Redfish	Gulf of Maine	6762	9152	16620	25931
	Nova Scotia	734	321	59750	37625
	Gulf of St. Lawrence	668	1181	11246	40728
	Total	8164	10654	34089	27924
Silver hake (Food)	Gulf of Maine	16	115	-	-
	Georges Bank	120	133	-	-
	Total	136	248	-	-

TABLE 6

SPECIES COMPOSITION (Percent) AND ESTIMATED LANDINGS
 FOR INDUSTRIAL FISHERY, FIRST QUARTER 1971 AND 1970
 (Landings in thousands of pounds, live weight.)

Species	Percent	Estimated Landings	Percent	Estimated Landings
<u>Southern New England</u>				
Eel pout	50.7	2149	53.7	5746
Herring	1.8	76	3.5	374
Red hake	0.1	3	0.1	13
Sculpin	23.4	991	15.6	1669
Silver hake	*	2	0.2	18
Yellowtail	1.9	80	6.8	732
Others	22.2	941	20.1	2150
Total		4242		10702
<u>Mid-Atlantic</u>				
Eel pout	60.1	2463	34.3	367
Herring	4.3	178	9.2	98
Red hake	0.6	23	0.6	7
Sculpin	17.2	706	26.8	286
Silver hake	0.2	9	0.1	1
Yellowtail	4.2	174	16.1	172
Others	13.3	544	12.9	138
Total		4097		1069

* Less than 0.05 percent.