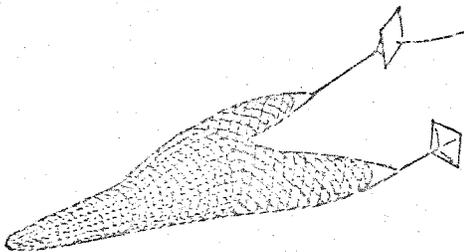
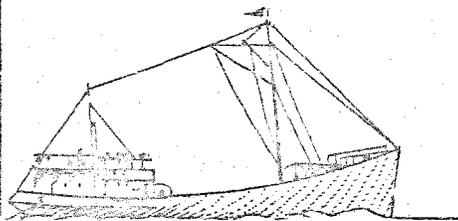


73-8

STOCK CATALOGUE
OF THE
NEW ENGLAND
FISHERIES

RALPH K. MAYO

THIRD QUARTER, 1973



NATIONAL MARINE FISHERIES SERVICE
NORTHEAST FISHERIES CENTER
WOODS HOLE, MASSACHUSETTS, 02543

Reference No. 73-8

Haddock

Total haddock landings for the third quarter declined by 41% as compared to the same period in 1972 (Table 1). Cumulative landings for the first three quarters were also down by 34% from the 1972 level. Scrod landings increased by 46%.

Overall third quarter landings from Georges Bank declined in 1973; Scrod landings, however, increased by 373% over 1972 and accounted for over 50% of the landings from this area. Subarea 4 landings in this quarter are negligible.

The overall Georges Bank standardized commercial catch per unit of effort index dropped sharply from the previous 1973 second quarter value. The index is also considerably lower than the 1972 third quarter level.

United States Subarea 5 haddock landings through September were equal to 45% of the 6,000 metric ton quota.

Cod

Third quarter cod landings by U. S. fishermen from all ICNAF divisions remained relatively constant compared to the same period in 1972 (Table 1). Gulf of Maine landings decreased by 38% from the previous quarter and by 28% in relation to the 1972 third quarter level. Georges Bank cod landings in this quarter are equivalent to the 1973 second quarter level, but less than the third quarter of 1972. The Georges Bank landings per day index increased by 38% over the same period in 1972.

Third quarter cod landings from Subarea 4 and Statistical Area 6 were negligible in 1973.

Pollock

Total and cumulative landings for the third quarter were approximately equal to the 1972 third quarter values. Landings from Division 4X were down considerably while those from Subarea 5 showed a substantial increase. The landings per day index increased slightly over the 1972 third quarter level.

Redfish

Redfish landings for the third quarter of 1973 were 32% lower than those for the same period in 1972 (Table 2). Subarea 4 landings exhibited a slight increase in this quarter over the third quarter of 1972, but Subarea 5 landings dropped sharply resulting in a total decline of 2,393 metric tons. Cumulative landings through September, however, are approximately equal to the 1972 third quarter level.

Landings per day indices for this quarter are lower than the indices for the third quarter of 1972 in all ICNAF divisions.

Silver Hake

Total silver hake landings in the third quarter of 1973 increased by 160% over the same period in 1972 (Table 2). The major share of the landings were taken from Divisions 5Y and 5Ze. Cumulative landings for the first three quarters in 1973 are more than twice those reported for the same period in 1972.

Red Hake

Total red hake landings in the third quarter of 1973 were similar in magnitude to the 1972 landings (Table 2). A decrease of 129 metric tons from Divisions 5Y and 5Ze was nearly offset by an increase of 110 metric tons from Division 5Zw. The increase in the 5Zw landings is attributed to an increase in the industrial red hake landings. Cumulative landings through the third quarter, however, were 64% higher than in 1972.

Red hake landings from Statistical Area 6 were negligible in this quarter.

Yellowtail Flounder

Third quarter yellowtail statistics reveal a slight increase in both the quarterly and cumulative catch in 1973 (Table 3). Landings from the management area east of 69° longitude were up substantially over the same period in 1972. In the area west of 69°, landings were about equal to the 1972 value. Cumulative figures for the first three quarters show that 90% of the 15,000 metric ton quota east of 69° and 71% of the 9,000 metric ton quota west of 69° has been caught.

Commercial landings per day indices declined from the 1972 level in the mid-Atlantic area and in the management area west of 69°. All indices, however, are greater than or equal to the corresponding values in the second quarter of 1973.

Other Flounders

Third quarter landings of flounders other than yellowtail in 1973 decreased in relation to the 1972 level (Table 3). Georges Bank landings decreased by 1,213 metric tons while Southern New England landings increased by 406 metric tons. All values were substantially lower than those observed in the second quarter of 1973. Cumulative landings for the first three quarters of 1973, however, show a 56% increase over the 1972 level.

Sea Herring

Third quarter sea herring landings increased substantially over the second quarter of 1973, but declined by 55% with respect to the third quarter of 1972 (Table 4). Ninety-nine percent of the landings were from the Gulf of Maine. The third quarter cumulative total declined by 44% from the total reported for the same period in 1972.

Mackerel

Mackerel landings in the third quarter of 1973 were 43% less than those reported for the same period in 1972 (Table 4). Cumulative third quarter landings, however, are down by 16% when compared to the previous year. The major portion of the mackerel catch was reported in the Gulf of Maine.

Sea Scallops

Total 1973 third quarter sea scallop landings declined by 35% from the 1972 level and by 54% from the second quarter of 1973 (Table 5). In 1973, Georges Bank accounted for the largest portion of the catch, while the 1972 catch was more evenly divided between Georges Bank and the mid-Atlantic area.

Commercial landings per day indices as well as the total cumulative landings were similar in 1972 and 1973.

Squid

Third quarter squid (Loligo and Ilex) landings in 1973 increased by 156% over the 1972 level. Cumulative landings were also up by 75%. Landings from Southern New England accounted for the major portion of the total catch in 1973 and 1972.

Industrial Fishery

An insufficient number of samples was taken in the third quarter to allow adequate estimates of species composition. Total landings from the Southern New England area decreased by 68% from the second quarter level in 1973 (Table 6). Mid-Atlantic area landings were also considerably less in this quarter.

Table 1. United States haddock, cod, and pollock statistics
(metric tons, live wt.) for the 3rd quarter, 1973-72.

Species/Area/Mkt. Cat.	Landings		Landings/Day		Cumulative Landings	
	1973	1972	1973	1972	1973	1972
<u>Haddock</u>						
Georges Bank (5Z)	734	987	0.29	1.17	2,272	3,294
Scrod	421	89	0.34	0.83	855	396
Large	313	898	*	0.77	1,417	2,898
Gulf of Maine(5Y)	99	209			424	767
Scrod	13	3			26	12
Large	86	206			398	755
E. Scotian Shelf (4W)	---	---			172	73
Scrod	---	---			90	31
Large	---	---			82	42
Browns Bank (4X)	5	166	1.23	2.10	265	381
Scrod	3	100	0.75	1.10	110	189
Large	2	66	0.53	1.00	156	192
TOTAL	838	1,362			3,133	4,515
Scrod	437	192			1,081	628
Large	401	1,170			2,052	3,887
<u>Cod</u>						
Georges Bank (5Z)	4,394	3,755	3.09	2.23	11,366	10,164
Gulf of Maine (5Y)	1,264	1,749			4,685	5,531
E. Scotian Shelf(4W)	4	1			42	263
Browns Bank (4X)	6	193			121	280
Mid-Atlantic(SA6)	1	1			41	86
TOTAL	5,669	5,699			16,255	16,324
<u>Pollock</u>						
Nova Scotian Shelf(4X)	25	256			471	396
Gulf of Maine(5Y)	393	226			1,230	861
Georges Bank(5Ze)	467	458	1.04	0.72	1,382	1,575
TOTAL	885	940			3,083	2,832

HADDOCK RELATIVE ABUNDANCE
GEORGES BANK
THIRD QUARTER

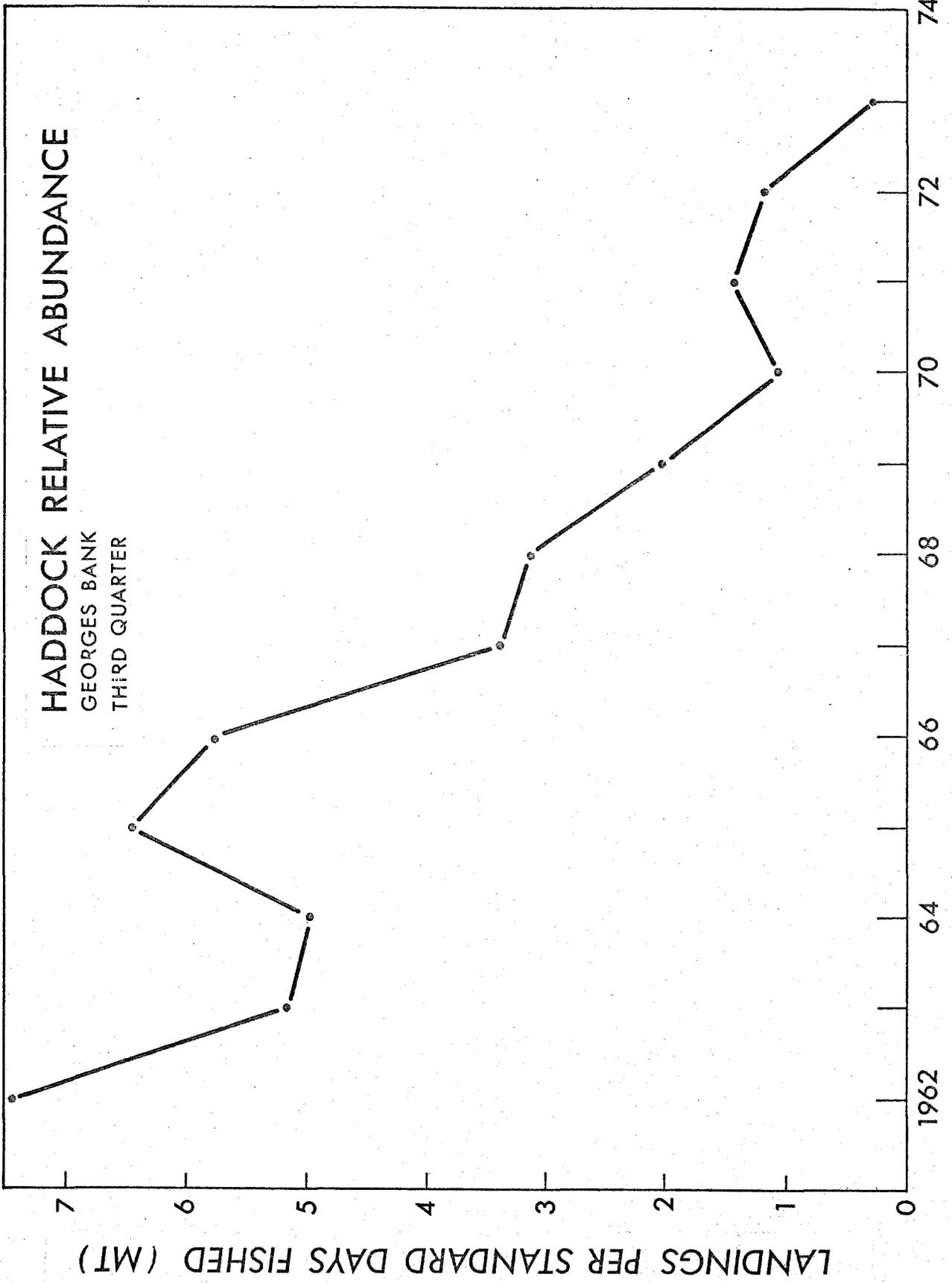


Table 2. United States redfish, silver hake, and red hake statistics (metric tons, live wt.) for the 3d quarter, 1973-72.

Spp/Area	Landings		Landings/Day		Cumulative landings	
	1973	1972	1973	1972	1973	1972
<u>Redfish</u>						
Gulf of St. Law(4R.S.T.)	984	785	9.2	10.4 ^{1/}	1462	832
Nova Scotian Shelf (4VWX)	2009	1494	8.6	11.5 ^{1/}	8695	10206
Gulf of Maine (5Y)	1283	2862	5.0	6.7 ^{1/}	6156	6163
Georges Bank (5Z)	906	2434	3.1	4.2 ^{1/}	4548	5519
TOTAL	5182	7575			20861	22720
<u>Silver hake</u>						
Gulf of Maine (5Y)	4114	2563			5128	3023
Georges Bank (5Ze)	5082	674			5375	708
So. New England (5Zw)	493	438			1538	1444
Industrial Est.	139	---			703	73
Food	296	438			835	1371
Mid Atlantic (SA6)	7	61			220	319
Industrial Est.	---	---			59	44
Food	7	61			161	275
TOTAL	9638	3736			12203	5494
<u>Red hake</u>						
Gulf of Maine (5Y)	91	129			126	157
Georges Bank (5Ze)	45	136			51	155
So. New England (5Zw)	263	153			1502	801
Industrial Est.	234	83			1384	675
Food	29	70			118	126
Mid Atlantic (SA6)	4	14			207	34
Industrial Est.	4	12			197	22
Food	*	2			10	12
TOTAL	403	432			1886	1147

* <1

^{1/} Replaces erroneous value reported in 1972, quarter 3.

Table 3. United States flounder statistics (metric tons, live)
for 3rd quarter, 1973-1972.

Species Group/Area	Landings		Landings/Day		Cumulative landings	
	1973	1972	1973	1972	1973	1972
<u>YELLOWTAIL CATCH</u>						
East of 69°						
Food	5,681	4,695	3.0	2.0	12,569	10,444
Discard Est.	252	225			372 ^{1/}	921
Total	5,933	4,920			12,941	11,365
West of 69°						
So. New England						
Food	748	591	2.5	2.8	4,575	5,201
Discard Est.	6	71			395	1,090
Industrial Est.	---	---			147	261
Total	754	662			5,117	6,552
Cape Cod Gnds.						
Food	352	254	1.9	1.6	1,184	1,014
Discard Est.	3	30			102	213
Total	355	284			1,286	1,227
Total	1,109	946			6,403	7,779
Mid-Atlantic						
Food	959	2,570	4.8	9.9	2,098	4,427
Discard Est.	---	---			---	---
Industrial Est.	24	3			48	61
Total	983	2,573			2,146	4,958
<u>OTHER FLOUNDERS*</u>						
Gulf of Maine	788	731			2,351	1,509
Georges Bank	1,105	2,318			4,950	4,168
So. New England	620	214			2,850	846
Food	428	213			2,098	662
Industrial Est.	192	1			752	184
Mid-Atlantic	106	106			497	322
Food	102	104			451	285
Industrial Est.	4	2			46	37

*Am. plaice (dab), summer flounder (fluke), winter flounder (blackback, lemon sole), and witch (grey sole).

^{1/} Replaces erroneous value reported in the second quarter, 1973.

Table 4. United States sea herring and mackerel statistics (metric tons, live wt.) for 3d quarter, 1973-72.

Species/Area	Landings		Cumulative Landings	
	1973	1972	1973	1972
<u>SEA HERRING</u>				
Gulf of Maine (5Y)	12912	28768	15880	33743
Georges Bank (5Ze)	160	11	161	11
So. N. England (5Zw)	8	--	3893	2009
Food	1	--	3885	1977
Industrial (est.)	1	--	40	32
Mid-Atlantic (SA6)	--	--	286	84
Food	--	--	285	72
Industrial	--	--	1	12
TOTAL	13080	28779	20220	35847
<u>MACKEREL</u>				
Gulf of Maine (5Y)	405	730	569	880
Georges Bank (5Ze)	1	*	1	6
So. New England (5Zw)	14	1	222	78
Mid-Atlantic (SA6)	---	4	30	16
TOTAL	420	735	822	980

* <1

Table 5. United States sea scallops and squid statistics (metric tons, live wt.) for 3d quarter, 1973-1972.

Species/Area	Landings		Landings/Day		Cumulative Landings	
	1973	1972	1973	1972	1973	1972
<u>Sea Scallops</u>						
Gulf of Maine (5Y)	89	114	0.2		2594	2546
Georges Bank (5Ze)	1773	1581	0.6	0.5	6535	4029
Mid-Atlantic (SA6)	239	1519	0.5	0.4	1807	5122
TOTAL	2101	3214			10936	11697
<u>Squid</u>						
Gulf of Maine (5Y)	32	34			33	34
Georges Bank (5Ze)	7	1			9	7
So. New England (5Zw)	132	40			675	367
Food	109	40			650	356
Industrial	23	--			25	11
Mid-Atlantic (SA6)	30	4			82	49
Food	30	4			82	49
Industrial	----	--			*	--
TOTAL	202	79			799	457

* <1

Table 6. United States industrial fishery statistics (metric tons, live wt.) for the 3d quarter, 1973-72.

	Third Quarter		Cumulative	
	1973	1972	1973	1972
Southern New England (5Zw)				
Total Landings ^{1/}	1779	29	9626	4561
Mid-Atlantic (SA6)				
Total Landings ^{1/}	52	51	977	1061
Unsamped Industrial Landings				
Gulf of Maine (5Y)	325	176	361	227
Georges Bank (5Ze)	56	17	106	79

^{1/} Insufficient samples taken in third quarter to estimate species composition.

Bilateral agreements for Statistical Area 6 have been negotiated between the United States and USSR and the United States and Poland.

Both foreign nations are permitted to make port calls and conduct loading operations as indicated in Figures 2 and 3.

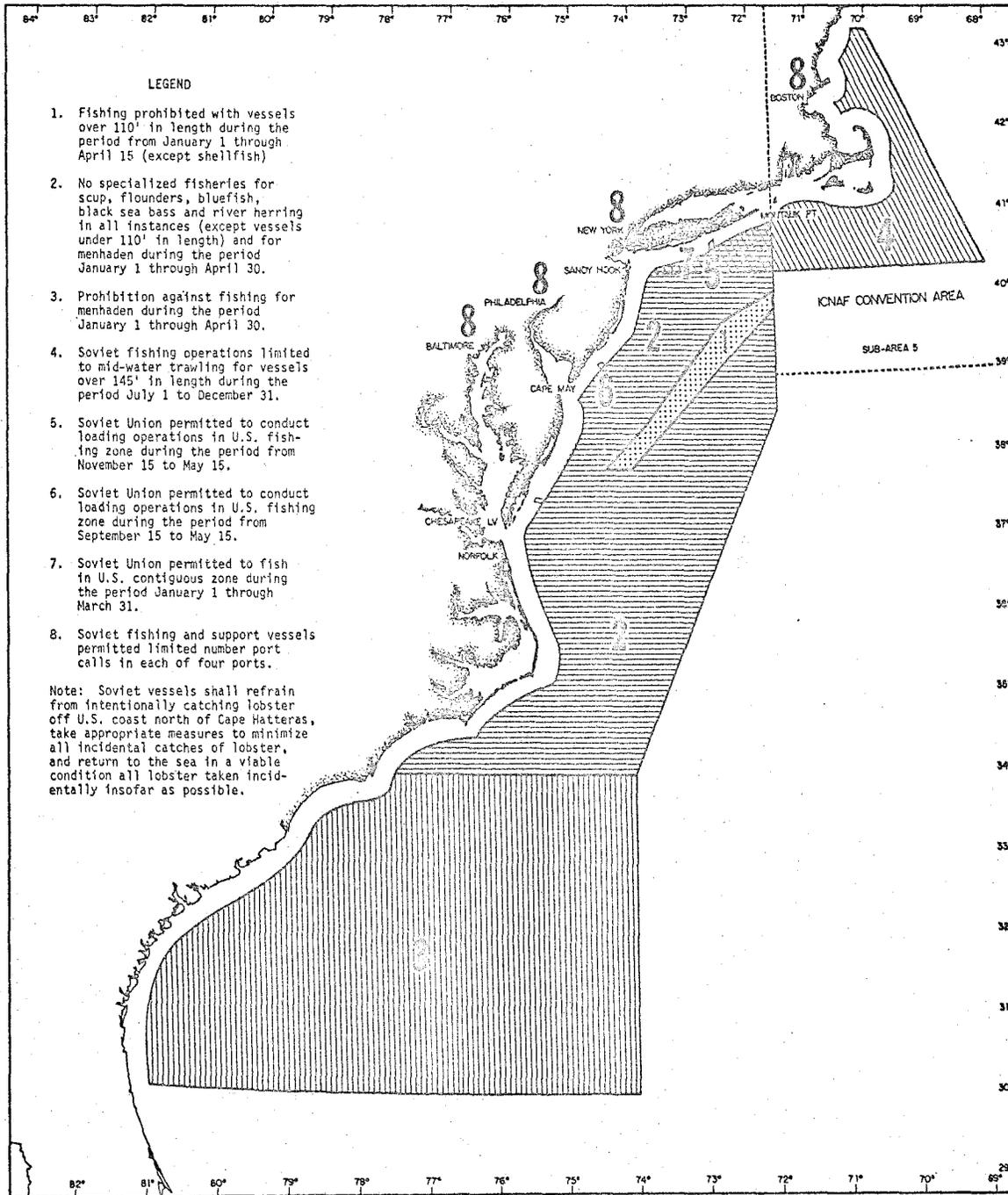
In addition, the USA/USSR agreement requires that vessels over 110 feet in length refrain from conducting specialized fisheries for scup, flounders, menhaden, river herring, bluefish, and black sea bass in the areas indicated. Soviet fishing operations are also limited to mid-water trawling for vessels over 145 feet in length from July 1 to December 31 in a portion of Subarea 5.

The USA/Poland agreement also states that both parties must refrain from conducting specialized fisheries for scup, flounders, red hake, silver hake, menhaden, black sea bass, river herring, and bluefish with vessels over 110 feet in length in the specified areas. Specific provisions are indicated in the legends on the following charts.

The USA/USSR agreement extends until December 31, 1974, while that with Poland is effective until June 30, 1975.

U. S. - SOVIET FISHERIES AGREEMENT

effective June 21, 1973



U.S. - POLISH FISHERIES AGREEMENT

effective June 2, 1973

