INTERNATIONAL PACIFIC HALIBUT COMMISSION

Recruitment Investigations: Trawl Catch Records Eastern Bering Sea, 1968 and 1969

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Introduction

The program of the International Pacific Halibut Commission to ascertain the relative availability of young halibut on the important nursery areas in Bering Sea and monitor the strengths of year classes was continued in 1968 and 1969. The continuity and comparability of these annual surveys were maintained by fishing the same groups of stations at approximately the same time of year and with the same fishing gear as previously reported (Best, 1969). The summary of these operations is shown in Table 1.

Table 1. Summary of operations in Bering Sea, 1968 and 1969

Study Area	Fishing Dates	Vessel	Haul Numbers
	1968 Offshore Stations		
Southeastern Flats	June 1-15	Harmony	1-48
Northeastern Flats	June 21-July 1	"	49-87
	Inshore Stations		
Southeastern Flats	July 7-10	Harmony	88-101
	1969 Offshore Stations		
Southeastern Flats	June 1-17	Tonquin	1-53
	Inshore Stations		
Southeastern Flats	June 24-25	Tonquin	54-66

The part of Bering Sea surveyed was divided into two sections by a line drawn from Cape Newenham to St. Paul Island. That section to the south of the line will be referred to as the Southeastern flats and that to the north the Northeastern flats.

Methods

In 1968 the chartered commercial otter trawl vessel HARMONY operated in eastern Bering Sea for the period from June 1 through July 10. The

HARMONY is 71 feet in overall length, 90 gross tons, and is powered by a 365-horsepower diesel engine. The crew complement consisted of the captain, two fishermen, and two members of the scientific staff of the Halibut Commission.

In 1969 the otter trawl vessel TONQUIN was chartered to conduct the surveys in southeastern Bering Sea from June 1 through June 25. The TONQUIN is 104 feet in overall length, 196 gross tons, and is powered by a 500-horsepower diesel engine. The crew complement was the same as that on the HARMONY in 1968.

The trawl nets used at offshore stations were 71 and 94 feet in length on the headrope and footrope respectively and were equipped with 3.5-inch (90 mm.) mesh codends. The nets used at the inshore stations were respectively 47 and 57 feet in headrope and footrope lengths and with 1.25-inch (32 mm.) mesh codends. A 60-minute haul at the offshore stations and a 15-minute haul on the inshore stations were attempted.

All halibut were sorted from the catch as soon as brought on deck and were placed in a live-tank with running sea water. A sample of the remaining catch was then drawn to determine the relative weight of the various species of fish and other important faunal items present. A visual estimate of the total weight of the catch was made by the captain experienced in such matters.

For age and sex composition studies otoliths from the left or white side of three halibut in each centimeter size group through 64 cm. were collected on each cruise.

On completing sampling of the catch for age materials the viable halibut in the live-tank were tagged. Individuals less than 65 cm. in total length were tagged by attaching a wire-reinforced, vinyl spaghetti-type tag around the pre-opercular bone; fish between 65 and 80 cm. were double-tagged with the spaghetti tag and the regular IPHC metal strap tag inserted through the opercular bone near the upper angle of the gill opening; and fish over 80 cm. were tagged with the regular IPHC metal strap tag only. All tags were placed on the right or pigmented side of the fish.

Bathythermograph casts were made at all stations occupied as well as at those deemed to be unfishable due to weather or bottom topography.

The 1968 and 1969 Surveys in Eastern Bering Sea

The scope of the survey was broadened in 1968 to expand knowledge of the summer distribution of young halibut in eastern Bering Sea particularly in the vicinity of St. Matthew Island. Also, reconnaissance hauls for the very young halibut were made in the shallow inshore waters between Cape Sarichef and Port Moller.

The total catch by species from hauls sorted for species composition in 1968 and 1969 is given in Table 2.

Table 2. Summary of total catch of hauls sorted for species composition in Bering Sea, 1968 and 1969

Species	1968 (91 hauls)* Pounds	1968 (91 hauls)* Percent of Catch	1969 (59 hauls)* Pounds	1969 (59 hauls)* Percent of Catch
Yellowfin sole	25,500	27	42,100	31
Tanner crab	17,900	19	17,700	13
Walleye pollock	16,000	17	30,800	23
Rock sole	12,700	13	20,800	16
King crab	5,400	6	5,000	4
Pacific cod	4,000	4	3,700	3
Sculpins (cottidae)	3,900	4	2,400	2
Alaska plaice	3,200	3	2,900	2
Pacific halibut	2,000	2 (2.04)	1,200	1 (0.90)
Flathead sole	1,500	2	3,100	2
All other species	3,500	3	4,000	3
Total	95,600	100	133,700	100

* Not all hauls were sorted for species composition. Only the sorted hauls are summarized here.

The number and weight of halibut taken at the inshore and offshore hauls in southeastern Bering Sea and offshore in northeastern Bering Sea are given in Tables 3, 4 and 5 respectively. Also included are the length frequencies of all halibut caught and age composition of those below 65 cm. in total length.

A detailed account of the catches of halibut, other fish, and shellfish by individual hauls is given in Appendix Table I for 1968 and Appendix Table II for 1969. All catches have been standardized on the basis of a 60-minute haul; however, the actual time fished is given in the identification heading for each station. The halibut catch is tabulated by number and weight for both legal and sublegal sizes. All other fish and shellfish are listed as the weight in pounds per 60-minute haul. On account of the calculated character of some of the hauls the halibut catches in Appendix Tables I and II will not agree with the actual catch of halibut listed in Tables 3, 4 and 5.

The distribution of halibut catches (in number per 60-minute haul) in the Bering Sea 1968 and 1969 surveys is shown in Figures 1 and 2 respectively.

The reconnaissance in the vicinity of St. Matthew Island in the latter part of June 1968 found bottom water temperatures to be between 0° and 1° C., which is colder than that usually tolerated by halibut (Thompson and Van Cleve, 1936), and only five individuals were caught in thirteen hauls. The number of halibut caught increased as warmer bottom temperatures were encountered near Nunivak Island.

The exploration of the shallows close to shore between Cape Sarichef and Port Moller with 15-minute hauls of a 1.25-inch mesh in both 1968 and 1969 produced catches of one- and two-year-old halibut but no zero-year individuals (Table 3).

Literature Cited

Best, E. A.

1969 Recruitment investigations: Trawl catch records in Bering Sea, 1967. Int. Pac. Hal. Comm. Tech. Rept. (1): 24 pp., Seattle.

Thompson, William F. and Richard Van Cleve

1936 Life history of the Pacific halibut (2) Distribucion and early life history. Int. Fish. Comm. Rept. (9): 184 pp., Seattle.

Table 3. The number, weight, age composition and length frequency of halibut taken inshore in southeastern Bering Sea in 1968 and 1969

Operations	1968	1969
No. of hauls	10	12
Fishing time (hrs.)	2.5	2.6
Depth range (fms.)	10-24	8-18
Halibut		
No. individuals < 65 cm.	521	754
No. individuals > 64 cm.	1	0
Wt. in lbs. of individuals < 65 cm.	87	127
Wt. in lbs. of individuals > 64 cm.	10	0
Total weight halibut	97	127

Age composition of halibut under 65 cm.

Age	1968 No.	1969 No.
1	301	40
2	135	638
3	66	71
4	14	5
5	3	0
6	2	0
Total	521	754

Halibut length frequency

Cm. Group	1968 No.	1969 No.
5-9	26	0
10-14	262	40
15-19	23	188
20-24	141	478
25-29	27	26
30-34	24	15
35-39	10	4
40-44	2	3
45-49	2	0
50-54	3	0
55-59	1	0
60-64	0	0
65-69	0	0
70-74	0	0
75-79	1	0
Total	522	754

Table 4. The number, weight, age composition and length frequency of halibut taken offshore in southeastern Bering Sea in 1968 and 1969

Operations	1968	1969
No. of hauls	48	51
Fishing time (hrs.)	45.9	46.4
Depth range (fms.)	22-62	13-62
Halibut		
No. individuals <65 cm.	507	485
No. individuals >64 cm.	36	10
Wt. in lbs. of individuals <65 cm.	603	495
Wt. in lbs. of individuals >64 cm.	498	116
Total weight halibut	1101	611

Age composition of halibut under 65 cm.

Age	1968 No.	1969 No.
1	0	0
2	39	74
3	279	157
4	64	193
5	105	20
6	11	30
7	9	9
8	0	2
Total	507	485

Halibut length frequency

Cm. Group	1968 No.	1969 No.
15-19	0	4
20-24	20	83
25-29	63	54
30-34	183	102
35-39	60	112
40-44	68	65
45-49	65	29
50-54	24	17
55-59	14	11
60-64	10	8
65-69	10	3
70-74	6	2
75-79	6	1
80-84	1	0
85-89	6	3
90-94	2	1
95-99	1	0
100-104	1	0
105-109	1	0
110-114	0	0
115-119	0	0
120-124	1	0
125-129	1	0
Total	543	495

Table 5. The number, weight, age composition and length frequency of halibut taken in northeastern Bering Sea in 1968

Operations

No. of hauls	25
Fishing time (hrs.)	24.4
Depth range (fms.)	11-46

Halibut

No. individuals <65 cm.	153
No. individuals >64 cm.	23
Wt. in lbs. of individuals <65 cm.	238
Wt. in lbs. of individuals >64 cm.	228
Total weight halibut	466

Age composition of halibut under 65 cm.

Age	No.
2	4
3	81
4	23
5	23
6	7
7	14
8	1
Total	153

Halibut length frequency

Cm. Group	No.
20-24	5
25-29	5
30-34	51
35-39	33
40-44	22
45-49	8
50-54	11
55-59	8
60-64	10
65-69	11
70-74	5
75-79	2
80-84	0
85-89	2
90-94	1
95-99	1
100-104	0
105-109	1
Total	176

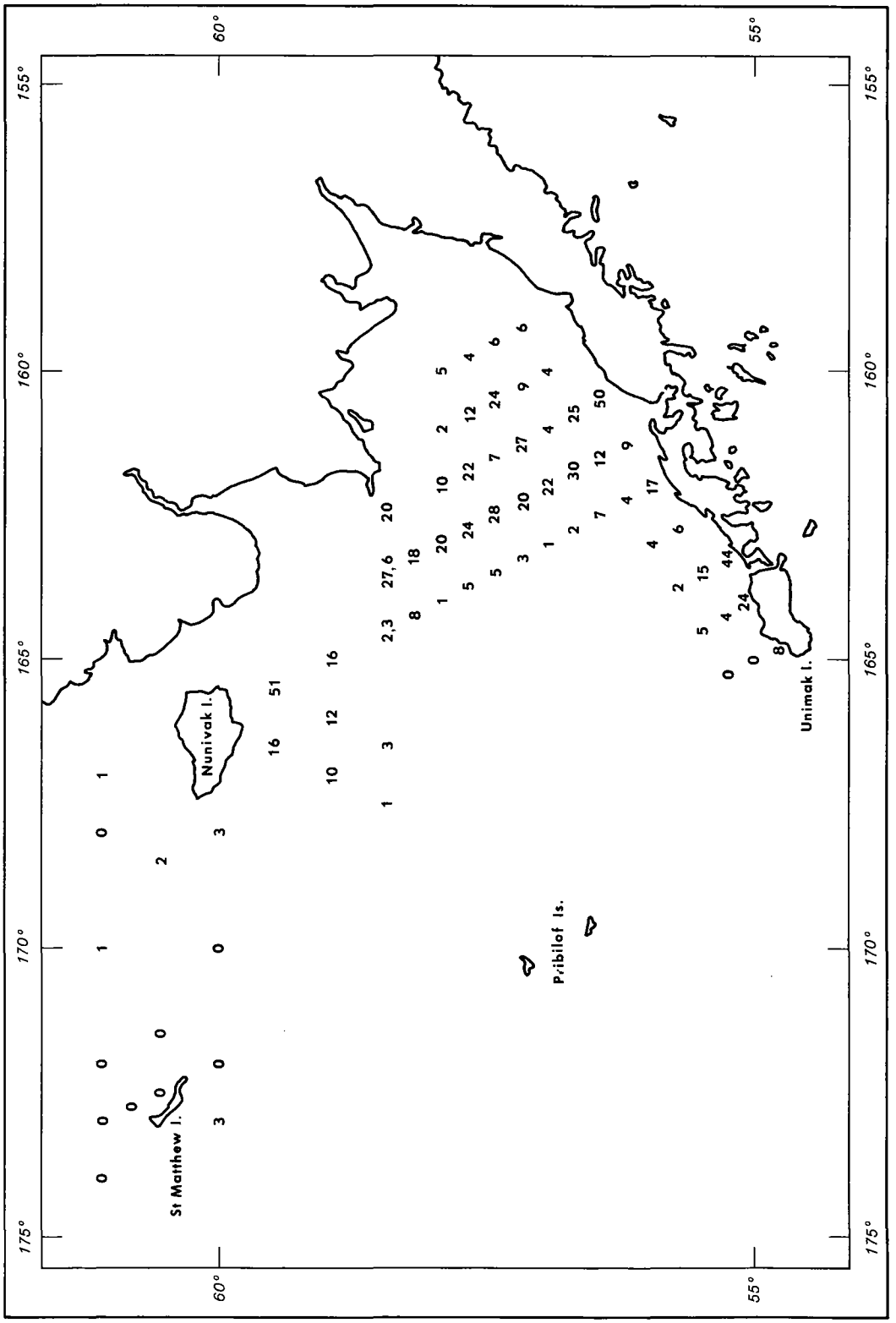

Figure 1. Number of halibut caught per 60-minute haul by the M/V HARMONY, June-July 1968.

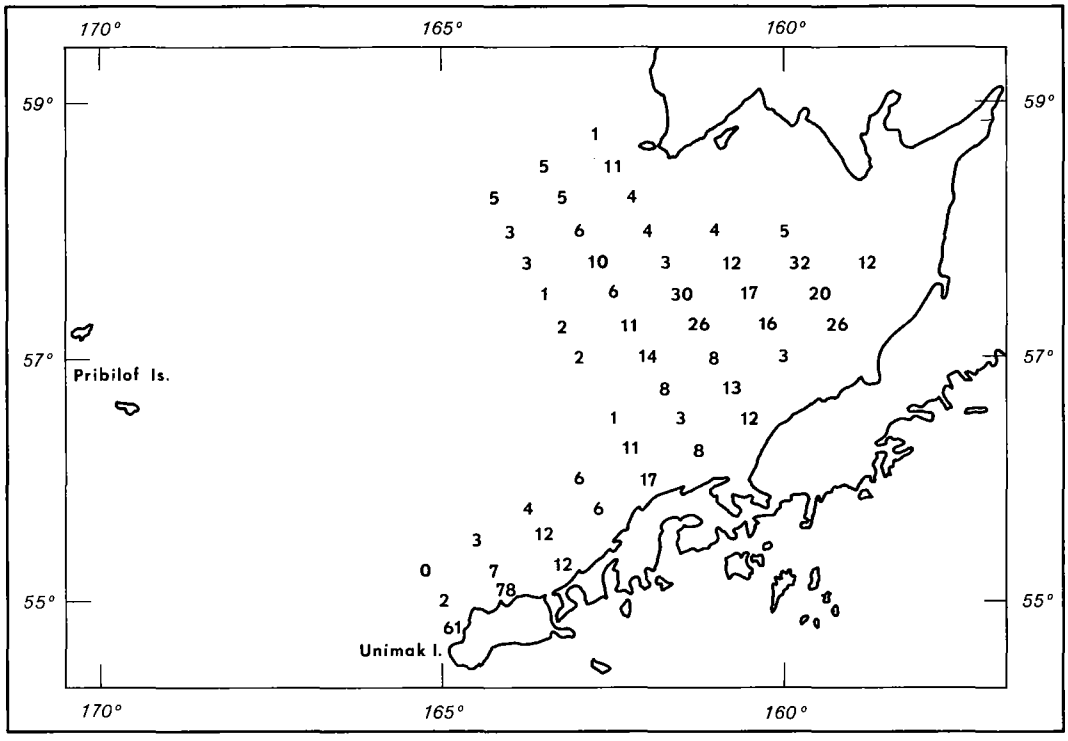

Figure 2. Number of halibut caught per 60-minute haul by the M/V TONQUIN, June 1969.

GLOSSARY OF TERMS

HAUL NO. = Sequence of hauls beginning with No. 1.
STATION = Identification of station within pre-determined grid.
MO DA YR = Date station occupied, 053167 = 31 May 1967.
W. LONG. = Position of station in degrees and minutes of west long.
N. LAT. = Position of station in degrees and minutes of north lat.
VESSEL = Vessel name.
DURATION = Length of haul in minutes.
DEPTH MAX. = Maximum depth of haul in fathoms.
NET MESH = Size of cod-end mesh in inches.
CATCH = All catch information adjusted to a 60 minute haul.
HALIBUT = Hippoglossus hippoglossus stenolepis.
NO. LESS 65 = No. halibut less than 65 cm in total length.
NO. GTR 64 = No. halibut greater than 64 cm in total length.
WT. LESS 65 = Weight of halibut less than 65 cm, in pounds.
WT. GTR 64 = Weight of halibut greater than 64 cm, in pounds.
TOTAL WT. = Total weight of halibut.

SOLE+FLFSH = Weight, in pounds, of flatfish.
FLATHEAD = Hippoglossoides elassodon.
ROCK = Lepidopsetta bilineata.
REX = Glyptocephalus zachirus.
BUTTER = Isopsetta isolepis.
YELLOWFIN = Limanda aspera.
ENGLISH = Parophrys vetulus.
DOVER = Microstomus pacificus.
TURBOT = Atheresthes stomias.
STR FLDR = Platichthys stellatus.
ALA PLAICE = Pleuronectes quadrituberculatus.
SAND SOLE = Psettichthys melanostictus.
PETRALE = Eopsetta jordani.
MISC FTFSH = All other flatfish.
TOT. FTFSH = Total weight, in pounds of all flatfish less halibut.

ROUND FISH = Weight, in pounds, of other fish except elasmobranchs.
LING COD = Ophiodon elongatus.
TRUE COD = Gadus macrocephalus.
BLACK COD = Anoplopoma fimbria.
POLLACK = Theragra chalcogrammus.
COTTIDS = All fishes of the Family Cottidae.
IDIOTS = Sebastolobus alascanus.
OC. PERCH = Sebastodes alutus.
ROCKFISH = Sebastodes species
GRENADIER = All fishes of the Family Macrouridae.
MISC RDFSH = All other round fishes caught.
TOT. RDFSH = Total weight, in pounds, of all round fish.

SHELL FISH = Weight, in pounds, of shell fish.
KING CRB = Paralithodes camtschatica.
TANNER CRB = Chionecetes spp.
DUNGEN CRB = Cancer magister.
SHRIMP = All shrimp species.
SCALLOP = All scallop species.
TOT. SHFSH = Total weight, in pounds, of all shell fish.

OCPS + SQD = Weight of octopus and squid.
ELASMOBRCH = Weight of all sharks, skates and rays.

TOT. CATCH = Total weight of all fish and shell fish caught.

HAUL NO.	H 1	H 2	H 3	H 4	H 5	H 6
STATION	4F	4E	4D	4C	5C	5D
MO DA YR	060168	060168	060168	060168	060268	060268
W. LONG.	160 00	159 45	159 30	159 15	160 00	160 15
N. LAT.	58 00	57 45	57 30	57 15	57 00	57 15
VESSEL	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY
DURATION	60	60	60	60	60	60
DEPTH MAX.	028	029	030	029	035	035
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH						
HALIBUT						
NO.LESS 65	5.0	4.0	6.0	6.0	4.0	9.0
NO.GTR 64	0.	0.	0.	0.	0.	0.
WT.LESS 65	14.2	5.6	9.1	9.7	5.3	7.1
WT.GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	14.2	5.6	9.1	9.7	5.3	7.1
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	0.	0.
ROCK	229.4	625.0	1249.9	588.0	88.8	64.6
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	1104.4	658.5	80.0	25.2	106.4
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	0.
STR FLDR	0.	0.	0.	0.	0.	7.0
ALA PLAICE	33.3	250.0	20.4	0.	0.	30.6
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	262.8	1979.4	1928.8	668.0	114.0	208.6
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	84.0	50.0	40.0	89.2	9.0
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	84.0	524.4	50.0	341.5	352.0
COTTIDS	250.5	41.7	98.6	25.0	0.	0.
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	52.2	8.4	74.4	0.	2.6	1.8
TOT. RDFSH	302.7	218.1	747.4	115.0	433.3	362.8
SHELL FISH						
KING CRB	0.	0.	0.	0.	6.5	62.5
TANNER CRB	64.3	200.4	536.6	302.0	366.6	26.6
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	64.3	200.4	536.6	302.0	373.1	89.1
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	644.0	2403.5	3221.9	1094.7	925.7	667.6

HAUL NO.	H 7	H 8	H 9	H 10	H 11	H 12
STATION	5E	5F	5G	6G	6F	6E
MO DA YR	060268	060368	060368	060368	060368	060468
W. LONG.	160 30	160 45	161 00	161 45	161 30	161 15
N. LAT.	57 30	57 45	58 00	57 45	57 30	57 15
VESSEL	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY
DURATION	60	60	60	8	60	60
DEPTH MAX.	034	032	026	028	028	037
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH						
HALIBUT						
NO.LESS 65	24.0	12.0	2.0	22.5	6.0	26.0
NO.GTR 64	0.	0.	0.	0.	1.0	1.0
WT.LESS 65	26.5	15.7	0.9	19.7	6.1	31.6
WT.GTR 64	0.	0.	0.	0.	6.6	9.5
TOTAL WT.	26.5	15.7	0.9	19.7	12.7	41.1
SOLE+FLFSH						
FLATHEAD	0.	5.0	0.	0.	35.0	36.0
ROCK	150.0	261.7	136.9	0.	0.	269.3
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	150.0	378.0	628.6	0.	368.3	574.7
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	0.
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	20.0	17.4	30.4	0.	90.1	72.0
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	320.0	662.1	795.9	0.	493.4	952.1
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	20.0	0.	0.	0.	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	150.0	0.	0.	0.	0.	72.0
COTTIDS	0.	23.2	64.4	0.	31.5	0.
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	0.	26.2	5.2	0.	34.8	21.6
TOT. RDFSH	170.0	49.4	69.6	0.	66.3	93.6
SHELL FISH						
KING CRB	150.0	105.0	40.0	0.	400.0	71.4
TANNER CRB	100.0	203.9	0.	0.	121.8	186.8
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	250.0	308.9	40.0	0.	521.8	258.2
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	766.5	1036.0	906.4	19.7	1094.2	1345.0

HAUL NO.	H 13	H 14	H 15	H 16	H 17	H 18
STATION	6D	6C	6B	7B	7C	7D
MO DA YR	060468	060468	060568	060568	060568	060668
W. LONG.	161 00	160 45	160 30	161 15	161 30	161 45
N. LAT.	57 00	56 45	56 30	56 15	56 30	56 45
VESSEL	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY
DURATION	60	55	60	60	60	60
DEPTH MAX.	039	039	033	033	038	046
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH						
HALIBUT						
NO.LESS 65	3.0	24.0	48.0	8.0	11.0	29.0
NO.GTR 64	1.0	1.1	2.0	1.0	1.0	1.0
WT.LESS 65	4.0	24.7	80.7	5.3	18.2	31.2
WT.GTR 64	6.6	6.9	19.9	16.0	8.7	6.0
TOTAL WT.	10.6	31.6	100.6	21.3	26.9	37.2
SOLE+FLFSH						
FLATHEAD	49.5	62.8	41.5	15.0	7.5	88.0
ROCK	137.1	298.6	315.1	752.9	13.0	296.9
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	82.2	565.9	197.1	221.6	650.0	232.3
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	31.6	0.	0.	0.	52.0
STR FLDR	0.	91.7	2.1	0.	0.	0.
ALA PLAICE	63.2	0.	0.	60.0	0.	44.2
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	332.0	1050.7	555.7	1049.5	670.5	713.4
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	21.6	0.	152.1	75.0	26.0	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	355.9	66.4	866.2	60.0	0.	90.1
COTTIDS	0.	0.	21.4	15.0	0.	0.
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	24.7	9.5	17.7	23.7	0.	5.2
TOT. RDFSH	402.1	75.9	1057.5	173.7	26.0	95.3
SHELL FISH						
KING CRB	198.7	0.	0.	40.0	664.0	100.0
TANNER CRB	265.1	0.	207.9	0.	0.	0.
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	463.9	0.	207.9	40.0	664.0	100.0
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	1208.7	1158.2	1921.7	1284.4	1387.4	945.9

HAUL NO.	H 19	H 20	H 21	H 22	H 23	H 24
STATION	7E	7F	7F	7G	7H	7I
MO DA YR	060668	060668	060668	060768	060768	060768
W. LONG.	162 00	162 15	162 15	162 30	162 45	163 00
N. LAT.	57 00	57 15	57 15	57 30	57 45	58 00
VESSEL	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY
DURATION	60	60	60	60	60	60
DEPTH MAX.	038	030	030	027	024	023
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH						
HALIBUT						
NO.LESS 65	22.0	0.	20.0	27.0	23.0	17.0
NO.GTR 64	0.	0.	0.	1.0	1.0	3.0
WT.LESS 65	38.7	0.	34.7	24.3	23.2	22.2
WT.GTR 64	0.	0.	0.	6.9	7.3	64.1
TOTAL WT.	38.7	0.	34.7	31.2	30.5	86.3
SOLE+FLFSH						
FLATHEAD	108.0	0.	0.	15.5	28.9	0.
ROCK	96.0	0.	60.0	196.9	119.9	161.1
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	516.5	0.	60.0	369.2	428.1	356.0
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	0.
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	27.6	0.	120.0	200.2	196.8	42.5
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	748.1	0.	240.0	781.7	773.7	559.6
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	18.0	0.	0.	0.	49.3	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	120.0	0.	0.	0.
COTTIDS	0.	0.	0.	0.	0.	8.5
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	9.6	0.	0.	3.1	27.4	25.5
TOT. RDFSH	27.6	0.	120.0	3.1	76.7	34.0
SHELL FISH						
KING CRB	135.0	0.	165.0	74.4	90.0	35.0
TANNER CRB	24.0	0.	4800.0	1231.4	32.6	23.7
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	159.0	0.	4965.0	1305.8	122.6	58.7
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	973.4	0.	5359.7	2121.8	1003.4	738.7

HAUL NO.	H 25	H 26	H 27	H 28	H 29	H 30
STATION	7J	7K	8L	8K	8J	8I
MO DA YR	060768	060868	060868	060868	060968	061068
W. LONG.	163 15	163 30	164 30	164 15	164 00	163 45
N. LAT.	58 15	58 30	58 30	58 15	58 00	57 45
VESSEL	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY
DURATION	60	60	60	60	60	60
DEPTH MAX.	023	022	022	024	028	028
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH						
HALIBUT						
NO.LESS 65	15.0	5.0	3.0	6.0	0.	4.0
NO.GTR 64	3.0	1.0	0.	2.0	1.0	1.0
WT.LESS 65	17.9	7.7	2.2	14.4	0.	9.0
WT.GTR 64	24.8	8.3	0.	16.3	7.3	43.7
TOTAL WT.	42.7	16.1	2.2	30.7	7.3	52.6
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	5.0	62.0
ROCK	10.0	73.8	24.7	56.4	113.6	254.6
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	300.0	672.5	86.5	171.8	181.5	436.4
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	0.
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	20.0	4.4	15.0	59.8	61.4	116.0
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	330.0	750.7	126.3	288.0	361.6	869.1
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	4.4	0.	0.	54.0	3.6
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	118.8
COTTIDS	0.	69.8	4.9	0.	117.0	64.8
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	5.0	8.6	24.7	6.2	9.0	14.6
TOT. RDFSH	5.0	82.8	29.6	6.2	180.0	201.8
SHELL FISH						
KING CRB	7.0	110.0	0.	0.	0.	0.
TANNER CRB	10.0	8.7	54.4	269.5	11.3	360.1
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	17.0	118.7	54.4	269.5	11.3	360.1
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	6.2	7.3
TOT. CATCH	394.7	968.1	212.5	594.4	566.3	1490.9

HAUL NO.	H 31	H 32	H 33	H 34	H 35	H 36
STATION	8H	8G	8F	8E	8D	8C
MO DA YR	061068	061068	061068	061168	061168	061168
W. LONG.	163 30	163 15	163 00	162 45	162 30	162 15
N. LAT.	57 30	57 15	57 00	56 45	56 30	56 15
VESSEL	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY
DURATION	60	60	60	60	60	60
DEPTH MAX.	029	033	035	043	042	043
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH						
HALIBUT						
NO.LESS 65	3.0	3.0	0.	2.0	7.0	4.0
NO.GTR 64	2.0	0.	1.0	0.	0.	0.
WT.LESS 65	4.4	3.5	0.	1.7	9.4	2.0
WT.GTR 64	21.6	0.	6.6	0.	0.	0.
TOTAL WT.	26.0	3.5	6.6	1.7	9.4	2.0
SOLE+FLFSH						
FLATHEAD	13.0	70.6	36.1	34.8	67.1	14.3
ROCK	102.9	175.8	180.6	32.6	91.7	191.6
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	642.5	251.2	488.7	152.5	145.3	131.2
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	2.1	26.4	27.0	9.0
STR FLDR	0.	0.	0.	0.	0.	2.4
ALA PLAICE	87.5	146.2	44.1	24.2	12.0	0.
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	845.9	643.7	751.6	270.6	343.2	348.5
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	156.0	301.5	8.4	0.	100.7	72.6
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	809.5	577.9	24.0	218.6	153.3	405.1
COTTIDS	49.4	50.0	6.0	0.	13.5	0.
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	7.8	0.	21.0	8.8	1.5	2.2
TOT. RDFSH	1022.7	929.4	59.4	227.4	269.1	479.9
SHELL FISH						
KING CRB	0.	150.0	355.0	39.0	255.0	276.0
TANNER CRB	180.1	477.5	191.2	446.9	107.0	229.4
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	180.1	627.5	546.2	485.9	362.0	505.4
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	5.2	0.	0.	0.	5.4	0.
TOT. CATCH	2079.9	2204.1	1363.9	985.5	989.0	1335.8

HAUL NO.	H 37	H 38	H 39	H 40	H 41	H 42
STATION	8B	9B	9C	10C	10B	10A
MO DA YR	061268	061268	061268	061268	061368	061368
W. LONG.	162 00	162 45	163 00	163 45	163 30	163 15
N. LAT.	56 00	55 45	56 00	55 45	55 30	55 15
VESSEL	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY
DURATION	60	60	60	60	60	60
DEPTH MAX.	034	032	048	052	045	025
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH						
HALIBUT						
NO.LESS 65	17.0	6.0	3.0	1.0	15.0	41.0
NO.GTR 64	0.	0.	1.0	1.0	0.	3.0
WT.LESS 65	14.6	2.8	3.7	1.7	9.6	33.2
WT.GTR 64	0.	0.	14.3	16.6	0.	86.8
TOTAL WT.	14.6	2.8	18.0	18.3	9.6	120.0
SOLE+FLFSH						
FLATHEAD	25.1	53.8	12.9	113.4	98.3	27.5
ROCK	316.7	269.2	0.	80.8	0.	383.2
REX	0.	0.	0.	9.6	36.0	0.
BUTTER	43.2	0.	0.	0.	101.1	0.
YELLOWFIN	158.3	411.5	293.0	307.5	565.5	1806.9
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	27.0	15.0	6.0	110.0
STR FLDR	0.	0.	0.	0.	0.	1.5
ALA PLAICE	13.2	15.8	0.	30.0	69.0	0.
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	556.5	750.3	333.0	556.3	876.0	2329.2
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	59.4	0.	14.4	30.0	0.	0.
BLACK COD	18.1	0.	0.	0.	0.	0.
POLLACK	0.	0.	604.8	106.8	386.9	33.0
COTTIDS	6.6	205.4	0.	22.4	148.3	60.1
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	60.0	2.7	3.6	1.6	29.8	33.0
TOT. RDFSH	144.1	208.1	622.8	160.8	565.1	126.1
SHELL FISH						
KING CRB	297.0	140.0	110.0	80.0	399.0	15.0
TANNER CRB	87.1	343.0	339.2	242.4	982.8	0.
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	384.1	483.0	449.2	322.4	1381.8	15.0
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	1.8	10.3	0.	0.
TOT. CATCH	1099.3	1444.3	1424.8	1068.0	2832.5	2590.3

HAUL NO.	H 43	H 44	H 45	H 46	H 47	H 48
STATION	11A	11B	11C	12C	12B	12A
MO DA YR	061368	061468	061468	061468	061568	061568
W. LONG.	164 00	164 15	164 30	165 15	165 00	164 45
N. LAT.	55 10	55 15	55 30	55 15	55 00	54 45
VESSEL	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY
DURATION	60	60	60	60	60	60
DEPTH MAX.	029	055	000	062	062	036
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH						
HALIBUT						
NO.LESS 65	23.0	3.0	3.0	0.	0.	6.0
NO.GTR 64	1.0	1.0	2.0	0.	0.	2.0
WT.LESS 65	12.3	2.8	3.6	0.	0.	6.0
WT.GTR 64	6.0	16.0	35.8	0.	0.	34.4
TOTAL WT.	18.3	18.8	39.4	0.	0.	40.4
SOLE+FLFSH						
FLATHEAD	0.	44.0	56.6	7.5	168.3	0.
ROCK	217.3	39.9	41.2	0.	57.6	180.1
REX	0.	0.	0.	0.	17.5	0.
BUTTER	37.6	0.	0.	0.	0.	0.
YELLOWFIN	1164.7	0.	103.0	0.	88.8	113.2
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	27.9	0.	221.4	15.0	61.8	12.0
STR FLDR	1.5	0.	0.	0.	0.	0.
ALA PLAICE	60.0	0.	0.	0.	0.	0.
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	6.0	3.0	0.	0.
TOT. FTFSH	1509.0	83.9	428.3	25.5	394.0	305.4
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	60.0	404.8	40.0	30.0	41.4	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	167.4	2428.4	719.8	1200.0	177.1	0.
COTTIDS	23.2	0.	40.8	0.	33.2	239.5
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	0.	0.	0.	0.	8.4	7.3
TOT. RDFSH	250.6	2833.2	800.6	1230.0	260.2	246.7
SHELL FISH						
KING CRB	0.	345.0	135.0	0.	58.5	0.
TANNER CRB	0.	1435.7	800.0	0.	248.3	50.4
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	0.	1780.7	935.0	0.	306.8	50.4
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	4.2	12.4	5.0	15.0	0.
TOT. CATCH	1777.9	4720.8	2215.7	1260.5	976.0	642.9

HAUL NO.	H 49	H 51	H 53	H 54	H 56	H 57
STATION	15Y	15AA	15AC	14AB	14AX	14Z
MO DA YR	062168		062168	062268	062268	062268
W. LONG.	173 00		174 00	173 00	172 44	172 30
N. LAT.	60 00		61 00	61 00	60 33	60 30
VESSEL	HARMNY		HARMNY	HARMNY	HARMNY	HARMNY
DURATION	22	0	60	60	60	60
DEPTH MAX.	042		046	038	024	027
NET MESH	3 1/2		3 1/2	3 1/2	3 1/2	3 1/2
CATCH		N TRWL				
HALIBUT						
NO.LESS 65	2.7	0.	0.	0.	0.	0.
NO.GTR 64	0.	0.	0.	0.	0.	0.
WT.LESS 65	2.2	0.	0.	0.	0.	0.
WT.GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	2.2	0.	0.	0.	0.	0.
SOLE+FLFSH						
FLATHEAD	13.6	0.	2.5	2.5	5.0	15.0
ROCK	0.	0.	0.	0.	0.5	0.
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	5.0	5.0	32.2	15.0
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	0.
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	3.0	0.
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	13.6	0.	7.5	7.5	40.7	30.0
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	0.	1.0	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	27.3	0.	0.	0.	24.5	30.0
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	2.7	0.	5.0	5.0	0.2	0.
TOT. RDFSH	30.0	0.	5.0	5.0	25.7	30.0
SHELL FISH						
KING CRB	27.3	0.	0.	0.	0.	6.8
TANNER CRB	60.0	0.	15.0	15.0	5.5	240.0
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	87.3	0.	15.0	15.0	5.5	246.8
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	133.1	0.	27.5	27.5	71.9	306.8

HAUL NO.	H 59	H 60	H 62	H 64	H 66	H 67
STATION	14X	13Y	13AA	11Y	9W	8V
MO DA YR	062368	062368	062468	062468	062568	062568
W. LONG.	172 00	171 30	172 00	170 00	168 00	167 00
N. LAT.	60 00	60 30	61 00	61 00	61 00	61 00
VESSEL	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY
DURATION	60	60	60	60	60	60
DEPTH MAX.	038	036	035	026	017	013
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH						
HALIBUT						
NO.LESS 65	0.	0.	0.	1.0	0.	1.0
NO.GTR 64	0.	0.	0.	0.	0.	0.
WT.LESS 65	0.	0.	0.	3.7	0.	1.2
WT.GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	0.	0.	0.	3.7	0.	1.2
SOLE+FLFSH						
FLATHEAD	0.	4.8	0.5	0.	0.5	0.
ROCK	0.	0.	0.	0.	0.	0.
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	26.0	1.0	50.0	14.5	233.8
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	0.
STR FLDR	0.	0.	0.	0.	0.	0.4
ALA PLAICE	0.	0.	0.	0.	9.0	0.
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	12.0
TOT. FTFSH	0.	30.8	1.5	50.0	24.0	246.2
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	0.	0.	9.3
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	18.8	0.	0.	0.	0.
COTTIDS	15.0	0.	0.	50.0	23.0	40.0
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	4.0	156.5	3.2	0.	0.5	30.0
TOT. RDFSH	19.0	175.3	3.2	50.0	23.5	79.3
SHELL FISH						
KING CRB	10.0	0.	0.	0.	4.0	6.0
TANNER CRB	135.0	720.0	140.0	0.	0.	0.
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	145.0	720.0	140.0	0.	4.0	6.0
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	164.0	926.1	144.7	103.7	51.5	332.8

HAUL NO.	H 69	H 71	H 73	H 75	H 76	H 77
STATION	10V	12V	10T	9Q	8P	8N
MO DA YR	062668	062668	062768	062768	062868	062868
W. LONG.	168 30	170 00	168 00	166 30	165 30	165 00
N. LAT.	60 30	60 00	60 00	59 30	59 30	59 00
VESSEL	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY
DURATION	63	60	60	60	60	60
DEPTH MAX.	020	031	019	016	011	015
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH						
HALIBUT						
NO.LESS 65	1.9	0.	3.0	10.0	45.0	16.0
NO.GTR 64	0.	0.	0.	6.0	6.0	0.
WT.LESS 65	5.2	0.	5.8	18.7	58.0	17.2
WT.GTR 64	0.	0.	0.	41.4	51.1	0.
TOTAL WT.	5.2	0.	5.8	60.1	109.1	17.2
SOLE+FLFSH						
FLATHEAD	1.9	0.	0.	0.	0.	0.
ROCK	1.1	0.	0.9	23.5	23.4	83.6
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	75.9	113.3	11.6	297.0	329.9	1060.5
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	0.
STR FLDR	1.0	0.	0.	0.	1.4	2.9
ALA PLAICE	16.0	1.4	6.0	0.	0.	24.5
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	1.0	0.	0.
TOT. FTFSH	95.9	114.7	18.5	321.5	354.7	1171.5
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	7.5	0.	2.7	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	14.0	4.5	0.	1.8	0.
COTTIDS	125.7	30.0	6.0	8.0	9.9	0.
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	0.	0.	0.3	7.1	21.8	7.5
TOT. RDFSH	125.7	44.0	18.3	15.1	36.2	7.5
SHELL FISH						
KING CRB	0.	0.	8.0	0.	0.	3.0
TANNER CRB	0.	49.6	0.	0.	0.	0.
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	0.	49.6	8.0	0.	0.	3.0
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	226.9	208.3	50.6	396.7	500.0	1199.2

HAUL NO.	H 78	H 79	H 80	H 81	H 82	H 83
STATION	9O	10P	11Q	11O	10N	9M
MO DA YR	062868	062968		062968	063068	
W. LONG.	166 00	167 00		167 30	166 30	
N. LAT.	59 00	59 00		58 30	58 30	
VESSEL	HARMNY	HARMNY		HARMNY	HARMNY	
DURATION	60	60	0	60	60	0
DEPTH MAX.	017	021		026	026	
NET MESH	3 1/2	3 1/2		3 1/2	3 1/2	
CATCH			N TRWL			N TRWL
HALIBUT						
NO.LESS 65	7.0	8.0	0.	1.0	2.0	0.
NO.GTR 64	5.0	2.0	0.	0.	1.0	0.
WT.LESS 65	26.8	6.7	0.	1.2	3.7	0.
WT.GTR 64	45.3	40.0	0.	0.	17.2	0.
TOTAL WT.	72.1	46.6	0.	1.2	20.9	0.
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	0.	0.
ROCK	0.	1.6	0.	234.8	126.0	0.
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	216.7	440.5	0.	78.4	788.4	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	0.
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	78.4	0.	240.1	472.5	0.
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	216.7	520.5	0.	553.3	1386.9	0.
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	94.4	0.	44.1	1260.9	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	49.6	0.	2398.1	224.8	0.
COTTIDS	61.0	0.	0.	117.6	410.8	0.
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	7.8	11.2	0.	9.8	69.3	0.
TOT. RDFSH	68.8	155.2	0.	2569.6	1965.8	0.
SHELL FISH						
KING CRB	8.0	2.2	0.	0.	0.	0.
TANNER CRB	0.	1.6	0.	538.0	220.7	0.
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	8.0	3.8	0.	538.0	220.7	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	8.0	0.
TOT. CATCH	365.6	726.2	0.	3662.2	3602.2	0.

HAUL NO.	H 84	H 85	H 86	H 87	H 88	H 89
STATION	8L	7K	6J	6H	6A	6A
MO DA YR	063068	070168	070168	070168	070768	
W. LONG.	164 30	163 30	162 30	162 00	160 29	
N. LAT.	58 30	58 30	58 30	58 00	56 28	
VESSEL	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY	
DURATION	60	60	60	60	15	0
DEPTH MAX.	022	019	019	022	024	
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	1 1/4	
CATCH						N TRWL
HALIBUT						
NO.LESS 65	2.0	25.0	19.0	10.0	16.0	0.
NO.GTR 64	0.	2.0	1.0	0.	0.	0.
WT.LESS 65	5.8	46.2	13.7	12.5	19.1	0.
WT.GTR 64	0.	13.3	29.2	0.	0.	0.
TOTAL WT.	5.8	59.4	42.9	12.5	19.1	0.
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	17.5	0.	0.
ROCK	73.7	297.5	94.1	325.0	538.5	0.
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	341.0	757.0	690.3	350.0	382.3	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	0.
STR FLDR	0.	0.	3.4	0.	0.	0.
ALA PLAICE	175.2	13.5	0.7	0.	0.	0.
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	162.5	0.	0.
TOT. FTFSH	589.9	1068.0	788.5	855.0	920.8	0.
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	25.2	0.	0.	28.0	144.1	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	1686.8	0.	0.	195.0	0.	0.
COTTIDS	405.8	86.4	0.7	350.0	150.0	0.
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	7.4	5.4	3.6	30.0	16.6	0.
TOT. RDFSH	2125.2	91.8	4.3	603.0	310.7	0.
SHELL FISH						
KING CRB	0.	0.	0.	242.0	8.0	0.
TANNER CRB	156.6	0.	0.	0.	0.	0.
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	156.6	0.	0.	242.0	8.0	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	2877.4	1219.2	835.8	1712.5	1258.6	0.

HAUL NO.	H 90	H 91	H 92	H 93	H 94	H 95
STATION	7A	7A	8A	9A	9A	10A
MO DA YR	070768			070868	070868	070968
W. LONG.	161 14			162 38	162 32	163 17
N. LAT.	56 16			55 38	55 31	55 14
VESSEL	HARMNY			HARMNY	HARMNY	HARMNY
DURATION	15	0	0	15	15	15
DEPTH MAX.	022			022	010	019
NET MESH	1 1/4			1 1/4	1 1/4	1 1/4
CATCH		N TRWL	N TRWL			
HALIBUT						
NO.LESS 65	36.0	0.	0.	16.0	612.0	28.0
NO.GTR 64	0.	0.	0.	0.	4.0	0.
WT.LESS 65	39.5	0.	0.	8.1	68.9	16.3
WT.GTR 64	0.	0.	0.	0.	41.5	0.
TOTAL WT.	39.5	0.	0.	8.1	110.3	16.3
SOLE+FLFSH						
FLATHEAD	4.0	0.	0.	9.1	0.	6.1
ROCK	624.1	0.	0.	272.6	0.	78.0
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.6	0.	134.2
YELLOWFIN	29.6	0.	0.	253.2	0.	969.3
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	1.2	0.	12.0
STR FLDR	0.	0.	0.	6.4	0.	0.
ALA PLAICE	0.	0.	0.	6.0	0.	12.0
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.8	0.	1.2
TOT. FTFSH	657.8	0.	0.	549.9	0.	1212.8
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	139.8	0.	0.	5.3	0.	55.2
BLACK COD	0.	0.	0.	2.4	0.	0.
POLLACK	20.8	0.	0.	83.6	0.	7.2
COTTIDS	118.2	0.	0.	6.0	0.	0.
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	16.8	0.	0.	38.8	0.	62.0
TOT. RDFSH	295.6	0.	0.	136.2	0.	124.4
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	0.	0.	0.	0.	0.	0.
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	0.	0.	0.	0.	0.	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	992.8	0.	0.	694.2	110.3	1353.5

HAUL NO.	H 96	H 97	H 98	H 99	H100	H101
STATION	10A	11A	11A	12A	12A	12A
MO DA YR	070968	070968		071068	071068	071068
W. LONG.	163 14	164 08		164 45	164 43	164 43
N. LAT.	55 11	55 05		54 45	54 41	54 41
VESSEL	HARMNY	HARMNY		HARMNY	HARMNY	HARMNY
DURATION	15	15	0	15	15	15
DEPTH MAX.	012	021		022	015	010
NET MESH	1 1/4	1 1/4		1 1/4	1 1/4	1 1/4
CATCH			N TRWL			
HALIBUT						
NO.LESS 65	76.0	8.0	0.	48.0	600.0	640.0
NO.GTR 64	0.	0.	0.	0.	0.	0.
WT.LESS 65	18.5	2.5	0.	26.3	72.3	74.8
WT.GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	18.5	2.5	0.	26.3	72.3	74.8
SOLE+FLFSH						
FLATHEAD	8.3	0.	0.	2.0	0.	9.6
ROCK	107.7	313.2	0.	49.0	0.	429.6
REX	0.	0.	0.	0.	0.	0.
BUTTER	180.4	0.	0.	25.8	0.	89.6
YELLOWFIN	1315.7	6.4	0.	56.2	0.	91.1
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	16.0	0.	0.	0.	0.	0.
STR FLDR	0.	0.	0.	492.0	0.	5.6
ALA PLAICE	16.0	0.	0.	0.	0.	0.
SAND SOLE	0.	0.	0.	0.	0.	138.0
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	1.6	0.	0.	0.	0.	0.
TOT. FTFSH	1645.7	319.6	0.	625.1	0.	763.5
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	75.6	85.3	0.	0.	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	9.8	0.	0.	0.	0.	0.
COTTIDS	0.	8.0	0.	0.	0.	42.0
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	83.6	2.8	0.	1.2	0.	6.0
TOT. RDFSH	169.1	96.1	0.	1.2	0.	48.0
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	0.	0.	0.	0.	0.	0.
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	0.	0.	0.	0.	0.	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	32.0	0.	0.	0.	0.
TOT. CATCH	1833.2	450.3	0.	652.6	72.3	886.3

HAUL NO.	T 1	T 2	T 3	T 4	T 5	T 6
STATION	4F	4F	4E	4D	4C	3C
MO DA YR		060169	060169	060169	060269	
W. LONG.		160 00	159 45	159 30	159 15	
N. LAT.		58 00	57 45	57 30	57 15	
VESSEL		TONQIN	TONQIN	TONQIN	TONQIN	
DURATION	0	60	50	60	60	0
DEPTH MAX.		027	027	030	027	
NET MESH		3 1/2	3 1/2	3 1/2	3 1/2	
CATCH	N TRWL					N TRWL
HALIBUT						
NO.LESS 65	0.	5.0	32.4	20.0	26.0	0.
NO.GTR 64	0.	0.	0.	0.	0.	0.
WT.LESS 65	0.	3.1	14.7	13.1	10.2	0.
WT.GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	0.	3.1	14.7	13.1	10.2	0.
SOLE+FLFSH						
FLATHEAD	0.	0.	24.7	0.	0.	0.
ROCK	0.	101.8	346.7	1166.9	437.1	0.
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	855.5	743.4	300.0	291.5	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	0.
STR FLDR	0.	0.	0.	42.5	0.	0.
ALA PLAICE	0.	4.9	39.8	0.	0.	0.
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	0.	962.2	1154.7	1509.4	728.7	0.
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	200.0	437.4	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	79.2	299.2	63.8	0.
COTTIDS	0.	101.5	69.3	0.	87.0	0.
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	0.	7.5	5.1	25.0	11.6	0.
TOT. RDFSH	0.	109.0	153.6	524.3	599.8	0.
SHELL FISH						
KING CRB	0.	3.6	283.8	0.	45.2	0.
TANNER CRB	0.	6.3	14.4	299.5	43.9	0.
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	0.	9.9	298.2	299.5	89.1	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	0.	1084.3	1621.1	2346.3	1427.7	0.

HAUL NO.	T 7	T 8	T 9	T 10	T 11	T 12
STATION	3D	5C	5D	5E	5F	5G
MO DA YR	060269	060369	060369	060369	060369	060469
W. LONG.	158 45	160 00	160 15	160 30	160 45	161 00
N. LAT.	57 45	57 00	57 15	57 30	57 45	58 00
VESSEL	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN
DURATION	15	60	60	60	60	45
DEPTH MAX.	021	034	034	032	275	025
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH						
HALIBUT						
NO.LESS 65	12.0	3.0	16.0	17.0	12.0	4.0
NO.GTR 64	0.	0.	0.	0.	0.	0.
WT.LESS 65	2.5	5.7	10.2	9.3	9.4	2.1
WT.GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	2.5	5.7	10.2	9.3	9.4	2.1
SOLE+FLFSH						
FLATHEAD	0.	30.1	43.2	32.2	186.2	0.
ROCK	60.0	212.7	477.8	863.7	55.8	158.6
REX	0.	17.2	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	1520.0	127.6	214.9	323.9	2785.4	845.9
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	10.7
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	40.0	0.	19.2	11.0	371.7	84.7
SAND SOLE	0.	25.8	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	1620.0	413.4	755.1	1230.8	3399.1	1099.8
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	0.	7.4	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	8084.4	4060.9	2049.7	0.	0.
COTTIDS	80.0	0.	0.	17.6	223.5	158.2
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	2.0	0.	19.2	32.4	37.1	15.8
TOT. RDFSH	82.0	8084.4	4080.1	2099.7	268.0	174.0
SHELL FISH						
KING CRB	0.	188.0	238.0	66.0	222.0	34.7
TANNER CRB	0.	106.2	0.	129.0	222.7	0.
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	0.	294.2	238.0	195.0	444.7	34.7
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	1704.5	8797.8	5083.4	3534.7	4121.2	1310.5

HAUL NO.	T 13	T 14	T 15	T 16	T 17	T 18
STATION	6I	6H	6G	6F	6E	6D
MO DA YR	060469	060469	060469	060569	060569	060569
W. LONG.	162 15	162 00	161 45	161 30	161 15	161 00
N. LAT.	58 15	58 00	57 45	57 30	57 15	57 00
VESSEL	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN
DURATION	60	60	60	60	60	60
DEPTH MAX.	018	022	028	031	040	040
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH						
HALIBUT						
NO.LESS 65	4.0	4.0	3.0	30.0	25.0	8.0
NO.GTR 64	0.	0.	0.	0.	1.0	0.
WT.LESS 65	2.5	8.9	4.9	26.0	24.2	8.5
WT.GTR 64	0.	0.	0.	0.	6.3	0.
TOTAL WT.	2.5	8.9	4.9	26.0	30.5	8.5
SOLE+FLFSH						
FLATHEAD	0.	5.5	0.	16.5	222.5	23.5
ROCK	171.8	165.5	0.	108.9	556.9	948.0
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	45.9	331.3	0.	217.9	556.9	711.0
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	0.
STR FLDR	13.2	0.	0.	0.	44.4	0.
ALA PLAICE	2.3	220.8	0.	108.6	0.	12.0
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	233.2	723.2	0.	451.9	1380.7	1694.5
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	38.5	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	11.0	111.0	70.5
COTTIDS	57.1	33.0	0.	1.1	0.	0.
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	17.2	17.6	0.	0.	22.3	94.8
TOT. RDFSH	74.2	50.6	0.	50.6	133.3	165.3
SHELL FISH						
KING CRB	0.	36.0	0.	142.5	0.	210.0
TANNER CRB	0.	5.5	0.	61.6	1486.2	426.9
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	0.	41.5	0.	204.1	1486.2	636.9
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	309.9	824.2	4.9	732.6	3030.7	2505.2

HAUL NO.	T 19	T 20	T 21	T 22	T 23	T 24
STATION	6C	6B	7B	7C	7D	7E
MO DA YR	060669	060669	060769	061169	061169	061169
W. LONG.	160 45	160 30	161 15	161 30	161 45	162 00
N. LAT.	56 45	56 30	56 15	56 30	56 45	57 00
VESSEL	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN
DURATION	60	29	30	60	60	60
DEPTH MAX.	038	027	027	038	040	035
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH						
HALIBUT						
NO.LESS 65	13.0	12.4	8.0	2.0	8.0	11.0
NO.GTR 64	0.	0.	0.	1.0	0.	3.0
WT.LESS 65	16.8	8.3	4.7	2.0	15.4	31.4
WT.GTR 64	0.	0.	0.	14.8	0.	30.8
TOTAL WT.	16.8	8.3	4.7	16.8	15.4	62.2
SOLE+FLFSH						
FLATHEAD	13.0	0.	0.	17.2	72.9	33.3
ROCK	308.1	1153.4	0.	689.6	364.2	248.0
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	17.5	0.	0.
YELLOWFIN	256.8	3689.2	0.	241.2	97.1	330.6
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	0.
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	22.8	0.	86.2	60.8	25.5
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	577.8	4865.4	0.	1051.8	595.0	637.4
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	78.0	692.1	0.	171.7	36.5	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	770.7	195.5	0.	1724.2	0.	99.0
COTTIDS	2.6	0.	0.	0.	0.	0.
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	20.6	27.7	0.	34.5	4.8	16.5
TOT. RDFSH	871.9	915.3	0.	1930.4	41.3	115.5
SHELL FISH						
KING CRB	96.0	20.7	0.	5.0	40.0	44.0
TANNER CRB	51.0	0.	0.	516.8	365.0	248.3
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	147.0	20.7	0.	521.8	405.0	292.3
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	1613.5	5809.7	4.7	3520.8	1056.7	1107.4

HAUL NO.	T 25	T 26	T 27	T 28	T 29	T 30
STATION	7F	7G	7H	7I	7J	6J
MO DA YR	061169	061269	061269	061269	061269	061269
W. LONG.	162 15	162 30	162 45	163 00	163 15	162 30
N. LAT.	57 15	57 30	57 45	58 00	58 15	58 30
VESSEL	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN
DURATION	60	70	42	60	60	60
DEPTH MAX.	029	026	025	022	021	015
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH						
HALIBUT						
NO.LESS 65	10.0	4.3	10.0	6.0	5.0	10.0
NO.GTR 64	1.0	1.7	0.	0.	0.	1.0
WT.LESS 65	18.5	3.9	14.7	6.7	10.7	10.8
WT.GTR 64	9.1	22.0	0.	0.	0.	19.1
TOTAL WT.	27.6	25.9	14.7	6.7	10.7	29.9
SOLE+FLFSH						
FLATHEAD	15.9	27.0	42.4	99.6	0.	0.
ROCK	361.5	626.3	193.4	332.5	113.5	394.0
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	578.3	357.9	309.1	2286.4	971.3	363.2
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	0.
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	217.5	180.0	192.9	16.8	24.5	2.0
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	1.4	0.	0.	0.	0.	31.2
TOT. FTFSH	1174.7	1191.2	737.8	2735.4	1109.3	790.4
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	12.6	9.0	0.	0.	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	25.2	2898.6	0.	0.	0.
COTTIDS	0.	7.2	7.7	125.0	57.2	51.7
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	1.4	5.4	3.9	87.3	8.2	20.7
TOT. RDFSH	14.0	46.8	2910.2	212.3	65.3	72.4
SHELL FISH						
KING CRB	86.0	64.3	20.0	4.0	9.0	1.0
TANNER CRB	11.6	715.7	773.0	291.0	97.5	5.2
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	97.6	780.0	793.0	295.0	106.5	6.2
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	1313.9	2043.9	4455.7	3249.4	1291.8	898.9

HAUL NO.	T 31	T 32	T 33	T 34	T 35	T 36
STATION	6K	7K	8K	8J	8I	8H
MO DA YR	061369	061369	061369	061369	061369	061469
W. LONG.	162 45	163 30	164 15	164 00	163 45	163 30
N. LAT.	58 45	58 30	58 15	58 00	57 45	57 30
VESSEL	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN
DURATION	60	60	60	60	60	60
DEPTH MAX.	013	020	023	026	026	029
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH						
HALIBUT						
NO.LESS 65	1.0	5.0	5.0	3.0	3.0	1.0
NO.GTR 64	0.	0.	0.	0.	0.	0.
WT.LESS 65	1.7	8.3	9.3	3.8	3.0	1.6
WT.GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	1.7	8.3	9.3	3.8	3.0	1.6
SOLE+FLFSH						
FLATHEAD	0.	0.	19.8	0.	46.5	36.4
ROCK	100.0	300.0	537.5	346.8	697.2	607.7
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	500.0	650.0	645.0	997.4	1626.6	526.7
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	0.
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	1.0	25.0	53.7	25.8	92.7	243.0
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	30.0	8.0	0.	0.	32.2	0.
TOT. FTFSH	631.0	983.0	1256.0	1370.0	2495.1	1413.8
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	4.4	52.2	46.0	141.7
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	866.7	139.5	2025.6
COTTIDS	350.0	120.0	258.0	64.5	0.	0.
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	3.0	2.0	0.	43.2	27.8	0.
TOT. RDFSH	353.0	122.0	262.4	1026.6	213.3	2167.4
SHELL FISH						
KING CRB	0.	1.0	0.	0.	0.	0.
TANNER CRB	0.	10.0	537.6	1734.7	1115.4	931.9
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	0.	11.0	537.6	1734.7	1115.4	931.9
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	985.7	1124.3	2065.3	4135.2	3826.7	4514.6

HAUL NO.	T 37	T 38	T 40	T 41	T 42	T 43
STATION	8G	8F	8D	8C	8B	9B
MO DA YR	061469	061469	061469	061469	061569	061569
W. LONG.	163 15	163 00	162 30	162 15	162 00	162 45
N. LAT.	57 15	57 00	56 30	56 15	56 00	55 45
VESSEL	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN
DURATION	60	60	60	60	60	60
DEPTH MAX.	033	035	041	043	034	040
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH						
HALIBUT						
NO.LESS 65	2.0	2.0	1.0	11.0	17.0	6.0
NO.GTR 64	0.	0.	0.	0.	0.	0.
WT.LESS 65	4.1	8.9	5.1	16.5	19.7	6.1
WT.GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	4.1	8.9	5.1	16.5	19.7	6.1
SOLE+FLFSH						
FLATHEAD	0.	95.8	77.5	12.3	51.5	823.1
ROCK	489.9	268.3	133.3	227.3	1342.3	30.0
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	653.2	220.4	388.6	289.5	413.1	561.2
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	24.2	0.	0.	0.
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	391.5	13.0	0.	21.0	0.	86.2
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	1534.6	597.5	623.5	550.2	1806.8	1500.6
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	16.5	95.0	37.4	42.0	722.9	55.5
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	1469.6	364.4	499.3	1405.8	31.5	3.7
COTTIDS	0.	0.	0.	0.	0.	130.7
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	6.6	0.	33.4	6.3	16.5	37.5
TOT. RDFSH	1492.7	459.4	570.1	1454.1	771.0	227.4
SHELL FISH						
KING CRB	38.0	61.0	61.0	247.6	6.0	450.0
TANNER CRB	195.7	143.2	288.6	290.0	0.	898.3
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	233.7	204.2	349.6	537.6	6.0	1348.3
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	3265.1	1269.9	1548.3	2558.4	2603.5	3082.4

HAUL NO.	T 44	T 45	T 46	T 47	T 48	T 49
STATION	9C	10C	10B	10A	11A	11B
MO DA YR	061569	061569	061569	061669	061669	061669
W. LONG.	163 00	163 45	163 30	163 15	164 00	164 15
N. LAT.	56 00	55 45	55 30	55 15	55 10	55 15
VESSEL	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN
DURATION	60	60	10	60	30	60
DEPTH MAX.	047	051	042	025	029	054
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH						
HALIBUT						
NO.LESS 65	6.0	4.0	12.0	12.0	78.0	7.0
NO.GTR 64	0.	0.	0.	0.	0.	0.
WT.LESS 65	8.3	5.5	9.1	10.6	51.2	11.1
WT.GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	8.3	5.5	9.1	10.6	51.2	11.1
SOLE+FLFSH						
FLATHEAD	26.4	118.7	0.	406.6	0.	277.9
ROCK	8.8	0.	451.3	871.3	300.0	509.8
REX	0.	0.	0.	0.	0.	20.7
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	658.8	436.0	201.6	4066.4	200.0	69.5
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	20.4	0.	0.	115.7
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	30.8	0.	81.6	127.6	0.	0.
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	5.8	20.0	0.
TOT. FTFSH	724.8	554.7	754.9	5477.7	520.0	993.6
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	238.0	0.	0.	300.0	46.0
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	57.2	594.5	0.	522.0	90.0	1158.1
COTTIDS	0.	12.0	183.6	11.6	0.	23.0
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	0.	16.0	49.5	5.8	0.	0.
TOT. RDFSH	57.2	860.5	233.1	539.4	390.0	1227.1
SHELL FISH						
KING CRB	247.0	0.	162.0	0.	62.0	108.0
TANNER CRB	264.0	991.7	3213.2	145.0	50.0	277.9
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	511.0	991.7	3375.2	145.0	112.0	385.9
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	1301.3	2412.4	4372.2	6172.7	1073.2	2617.7

HAUL NO.	T 50	T 51	T 52	T 53	T 54	T 55
STATION	11C	12C	12B	12A	8A	9A
MO DA YR	061669	061669	061769	061769		062469
W. LONG.	164 30	165 15	165 00	164 45		162 32
N. LAT.	55 30	55 15	55 00	54 45		55 29
VESSEL	TONQIN	TONQIN	TONQIN	TONQIN		TONQIN
DURATION	60	60	60	60	0	15
DEPTH MAX.	056	062	061	039		018
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2		1 1/4
CATCH					N TRWL	
HALIBUT						
NO.LESS 65	2.0	0.	2.0	61.0	0.	72.0
NO.GTR 64	1.0	0.	0.	0.	0.	0.
WT.LESS 65	3.2	0.	4.5	51.6	0.	9.1
WT.GTR 64	9.9	0.	0.	0.	0.	0.
TOTAL WT.	13.1	0.	4.5	51.6	0.	9.1
SOLE+FLFSH						
FLATHEAD	41.0	10.5	41.9	5.6	0.	0.
ROCK	8.2	0.	42.3	314.3	0.	481.3
REX	4.8	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	32.5	0.	21.8	164.0	0.	69.0
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	14.8	42.0	4.0	17.8	0.	0.
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	101.4	52.5	109.9	501.7	0.	550.3
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	89.8	0.	0.	51.3	0.	17.3
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	737.2	261.0	6.4	27.3	0.	0.
COTTIDS	0.	0.	7.2	34.2	0.	2.8
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	0.	0.	3.4	15.4	0.	7.7
TOT. RDFSH	827.0	261.0	17.0	128.2	0.	27.9
SHELL FISH						
KING CRB	1036.7	26.0	561.0	92.0	0.	0.
TANNER CRB	408.3	86.7	108.9	110.0	0.	0.
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	1445.0	112.7	669.9	202.0	0.	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	8.0	0.6	0.	0.	0.	0.
TOT. CATCH	2394.6	426.8	801.3	883.5	0.	587.3

HAUL NO.	T 56	T 57	T 58	T 59	T 60	T 61
STATION	9A	9A	9A	10A	10A	10A
MO DA YR	062469	062469	062469	062469	062469	062469
W. LONG.	162 32	162 32	162 32	163 10	163 10	163 10
N. LAT.	55 29	55 30	55 30	55 11	55 11	55 11
VESSEL	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN
DURATION	3	16	15	6	15	12
DEPTH MAX.	018	009	008	017	015	010
NET MESH	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
CATCH						
HALIBUT						
NO.LESS 65	20.0	108.7	156.0	40.0	16.0	80.0
NO.GTR 64	0.	0.	0.	0.	0.	0.
WT.LESS 65	2.2	13.5	20.7	30.8	5.4	10.4
WT.GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	2.2	13.5	20.7	30.8	5.4	10.4
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	120.0	0.	0.
ROCK	0.	13.6	188.5	160.0	56.8	250.4
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	269.8	80.4	1614.2	1707.6	1875.3
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	0.
STR FLDR	0.	0.	0.	0.	56.0	75.0
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	0.	0.	0.	140.0	0.	250.0
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	5.6	6.3
TOT. FTFSH	0.	283.3	268.8	2034.2	1826.0	2457.1
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	1.5	8.0	4.0	0.	6.0
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	4.0	0.	0.
COTTIDS	0.	0.	2.8	16.0	5.6	9.0
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	0.	28.5	28.8	113.0	398.6	24.5
TOT. RDFSH	0.	30.0	39.6	137.0	404.2	39.5
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	0.	0.	0.	0.	0.	0.
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	0.	0.	0.	0.	0.	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	2.2	326.8	329.1	2202.0	2235.5	2507.0

HAUL NO.	T 62	T 63	T 64	T 65	T 66	
STATION	10A	12A	12A	12A	12A	
MO DA YR	062469	062569	062569	062569	062569	
W. LONG.	163 10	164 50	164 50	164 50	164 50	
N. LAT.	55 11	54 35	54 35	54 35	54 35	
VESSEL	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN	
DURATION	16	15	15	15	15	0
DEPTH MAX.	009	014	013	010	010	
NET MESH	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	
CATCH						
HALIBUT						
NO.LESS 65	63.7	540.0	596.0	560.0	808.0	0.
NO.GTR 64	0.	0.	0.	0.	0.	0.
WT.LESS 65	10.2	94.2	92.4	98.0	140.7	0.
WT.GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	10.2	94.2	92.4	98.0	140.7	0.
SOLE+FLFSH						
FLATHEAD	0.	6.4	0.	0.	0.	0.
ROCK	471.2	314.6	163.8	169.1	307.7	0.
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	2826.2	180.3	195.8	211.0	384.6	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	13.4	5.0	0.8	0.	0.
STR FLDR	63.0	12.8	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	282.0	270.5	360.1	169.4	230.8	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.8	0.	0.	0.	0.
TOT. FTFSH	3642.5	798.8	724.7	550.3	923.1	0.
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	19.0	0.	0.	0.	0.	0.
BLACK COD.	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	0.	9.6	56.0	12.0	6.4	0.
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFSH	84.9	2.4	17.6	11.9	11.2	0.
TOT. RDFSH	103.9	12.0	73.6	23.9	17.6	0.
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	0.	0.	0.	0.	0.	0.
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	0.	0.	0.	0.	0.	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	3756.6	905.0	890.6	672.1	1081.4	0.