

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

<u>Study Area</u>	<u>Fishing Dates</u>	<u>Vessel</u>	<u>Haul Numbers</u>
	1968		
	<u>Offshore Stations</u>		
Southeastern Flats	June 1-15	Harmony	1-48
Northeastern Flats	June 21-July 1	"	49-87
	<u>Inshore Stations</u>		
Southeastern Flats	July 7-10	Harmony	88-101
	1969		
	<u>Offshore Stations</u>		
Southeastern Flats	June 1-17	Tonquin	1-53
	<u>Inshore Stations</u>		
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)*		1969 (59 hauls)*	
	Pounds	Percent of Catch	Pounds	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) Distribution 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

<u>Operations</u>	<u>1968</u>	<u>1969</u>
No. of hauls	10	12
Fishing time (hrs.)	2.5	2.6
Depth range (fms.)	10-24	8-18

<u>Halibut</u>		
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.

<u>Age</u>	<u>Halibut length frequency</u>	
	<u>1968</u>	<u>1969</u>
	<u>No.</u>	<u>No.</u>
1	301	40
2	135	638
3	66	71
4	14	5
5	3	0
6	2	0
<b>Total</b>	<b>521</b>	<b>754</b>

<u>Cm. Group</u>	<u>Halibut length frequency</u>	
	<u>1968</u>	<u>1969</u>
	<u>No.</u>	<u>No.</u>
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
<b>Total</b>	<b>522</b>	<b>754</b>

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

<u>Operations</u>	<u>1968</u>	<u>1969</u>
No. of hauls	48	51
Fishing time (hrs.)	45.9	46.4
Depth range (fms.)	22-62	13-62
<u>Halibut</u>		
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.

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

Halibut length frequency

<u>Cm. Group</u>	<u>1968</u>		<u>1969</u>	
	<u>No.</u>	<u>No.</u>	<u>No.</u>	<u>No.</u>
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		
<b>Total</b>	<b>543</b>	<b>495</b>		

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.

Halibut length frequency

<u>Age</u>	<u>No.</u>	<u>Cm. Group</u>	<u>No.</u>
2	4	20-24	5
		25-29	5
3	81	30-34	51
		35-39	33
4	23	40-44	22
5	23	45-49	8
		50-54	11
6	7	55-59	8
		60-64	10
7	14	65-69	11
8	1	70-74	5
		75-79	2
		80-84	0
Total	153	85-89	2
		90-94	1
		95-99	1
		100-104	0
		105-109	1
		Total	176

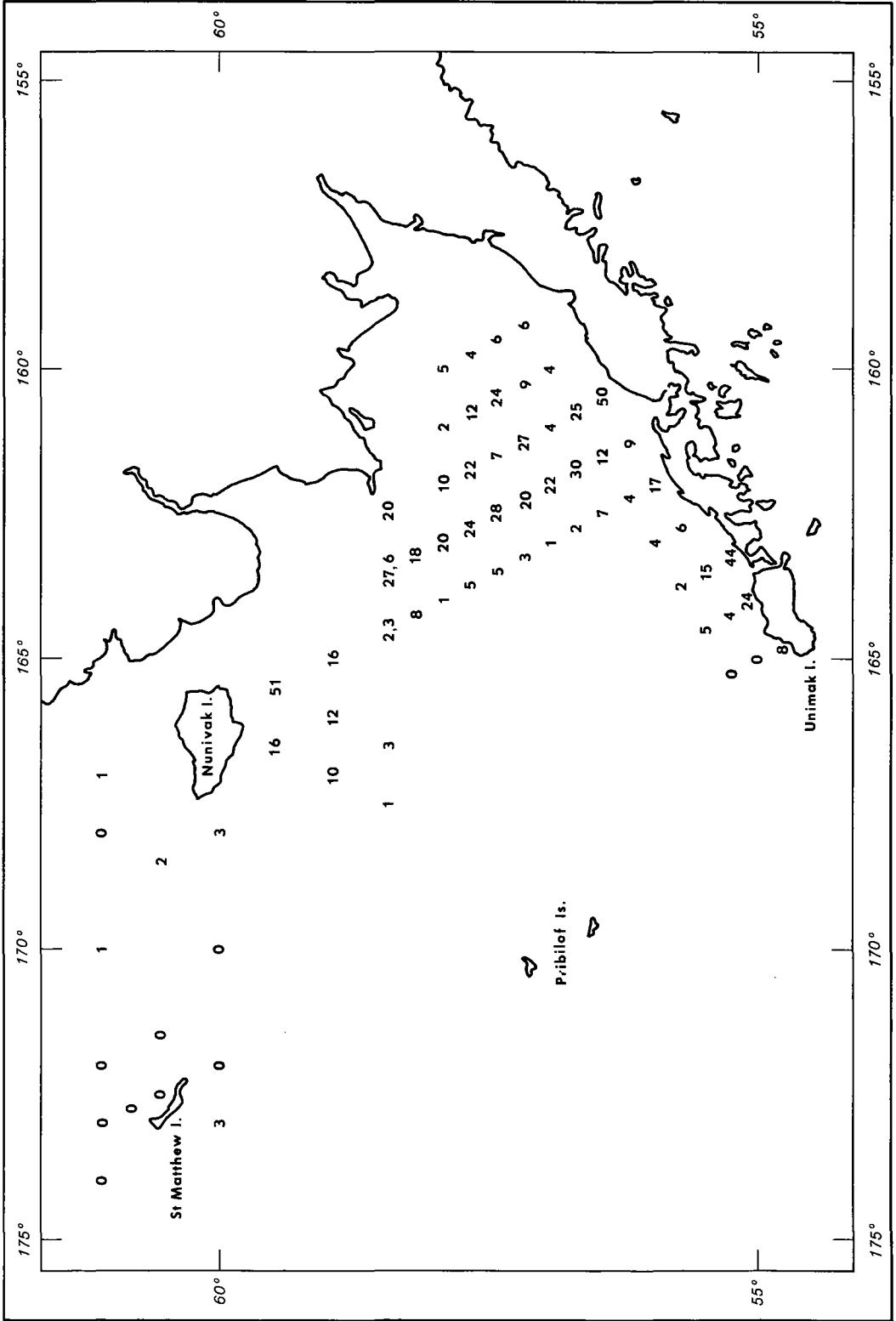


Figure 1. Number of halibut caught per 60-minute haul by the M/V HARMONY, June-July 1968.



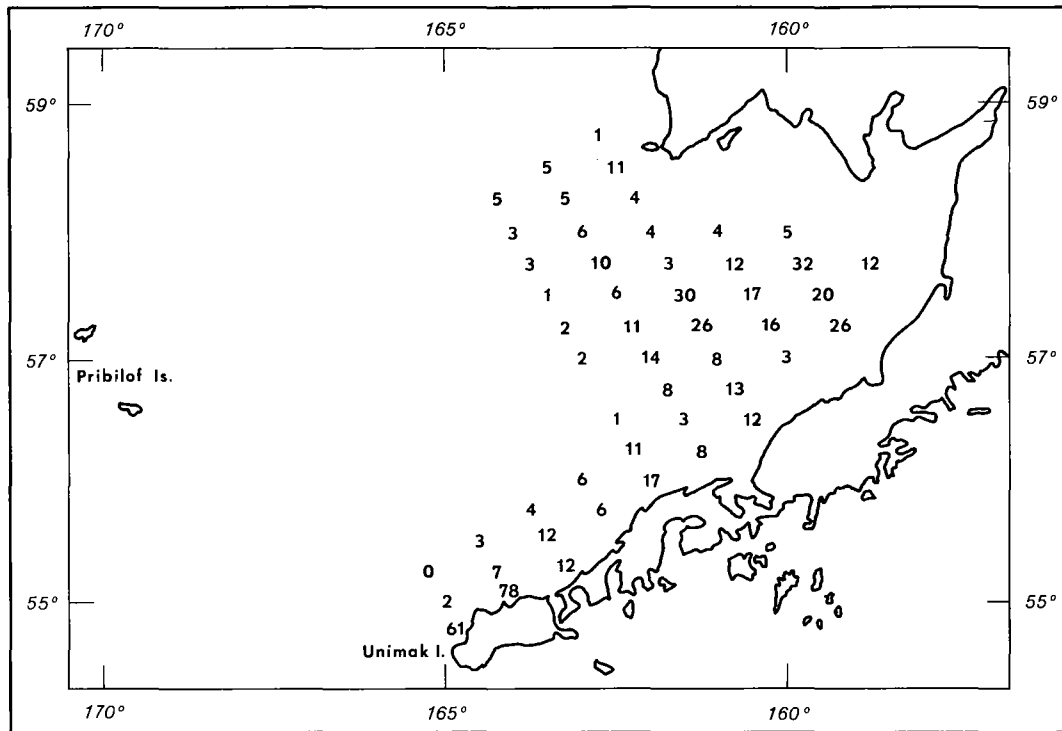


Figure 2. Number of halibut caught per 60-minute haul by the M/V TONQUIN, June 1969.

## 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	= <u>Hippoglossus hippoglossus stenolepis</u> .
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	= <u>Hippoglossoides elassodon</u> .
ROCK	= <u>Lepidopsetta bilineata</u> .
REX	= <u>Glyptocephalus zachirus</u> .
BUTTER	= <u>Isopsetta isolepis</u> .
YELLOWFIN	= <u>Limanda aspera</u> .
ENGLISH	= <u>Parophrys vetulus</u> .
DOVER	= <u>Microstomus pacificus</u> .
TURBOT	= <u>Atheresthes stomias</u> .
STR FLDR	= <u>Platichthys stellatus</u> .
ALA PLAICE	= <u>Pleuronectes quadrituberculatus</u> .
SAND SOLE	= <u>Psettichthys melanostictus</u> .
PETRALE	= <u>Eopsetta jordani</u> .
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	= <u>Ophiodon elongatus</u> .
TRUE COD	= <u>Gadus macrocephalus</u> .
BLACK COD	= <u>Anoplopoma fimbria</u> .
POLLACK	= <u>Theragra chalcogrammus</u> .
COTTIDS	= All fishes of the Family Cottidae.
IDIOTS	= <u>Sebastolobus alascanus</u> .
OC. PERCH	= <u>Sebastes alutus</u> .
ROCKFISH	= <u>Sebastes</u> 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	= <u>Paralithodes camtschatica</u> .
TANNER CRB	= <u>Chionecetes</u> spp.
DUNGEN CRB	= <u>Cancer magister</u> .
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.

APPENDIX TABLE I. 1968 Catch Records

HAUL NO. STATION	H 1 4F	H 2 4E	H 3 4D	H 4 4C	H 5 5C	H 6 5D	HAUL NO. STATION	H 7 5E	H 8 5F	H 9 5G	H 10 6G	H 11 6F	H 12 6E
MO DA YR	060168	060168	060168	060168	060268	060268	MO DA YR	060268	060368	060368	060368	060368	060468
W. LONG.	160 00	159 45	159 30	159 15	160 00	160 15	W. LONG.	160 30	160 45	161 00	161 45	161 30	161 15
N. LAT.	58 00	57 45	57 30	57 15	57 00	57 15	N. LAT.	57 30	57 45	58 00	57 45	57 30	57 15
VESSEL	HAKMNY	HAKMNY	HARMNY	HARMNY	HARMNY	HARMNY	VESSEL	HAKMNY	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY
DURATION	60	60	60	60	60	60	DURATION	60	60	60	8	60	60
DEPTH MAX.	028	029	030	029	035	035	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	NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH							CATCH						
HALIBUT							HALIBUT						
NO. LESS 65	5.0	4.0	6.0	6.0	4.0	9.0	NO. LESS 65	24.0	12.0	2.0	22.5	6.0	26.0
NO. GTR 64	0.	0.	0.	0.	0.	0.	NO. GTR 64	0.	0.	0.	0.	1.0	1.0
WT. LESS 65	14.2	5.6	9.1	9.7	5.3	7.1	WT. LESS 65	26.5	15.7	0.9	19.7	6.1	31.6
WT. GTR 64	0.	0.	0.	0.	0.	0.	WT. GTR 64	0.	0.	0.	0.	6.6	9.5
TOTAL WT.	14.2	5.6	9.1	9.7	5.3	7.1	TOTAL WT.	26.5	15.7	0.9	19.7	12.7	41.1
SOLE+FLFSH							SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	0.	0.	FLATHEAD	0.	5.0	0.	0.	35.0	36.0
ROCK	229.4	625.0	1249.9	588.0	88.8	64.6	ROCK	150.0	261.7	136.9	0.	0.	269.3
REX	0.	0.	0.	0.	0.	0.	REX	0.	0.	0.	0.	0.	0.
BUTTER	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	YELLOWFIN	150.0	378.0	628.6	0.	368.3	574.7
ENGLISH	0.	0.	0.	0.	0.	0.	ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.	DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	0.	TURBOT	0.	0.	0.	0.	0.	0.
STR FLDR	0.	0.	0.	0.	0.	7.0	STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	33.3	250.0	20.4	0.	0.	30.6	ALA PLAICE	20.0	17.4	30.4	0.	90.1	72.0
SAND SOLE	0.	0.	0.	0.	0.	0.	SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.	PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	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	TOT. FTFSH	320.0	662.1	795.9	0.	493.4	952.1
ROUND FISH							ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.	LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	84.0	50.0	40.0	89.2	9.0	TRUE COD	20.0	0.	0.	0.	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.	BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	84.0	524.4	50.0	341.5	352.0	POLLACK	150.0	0.	0.	0.	0.	72.0
COTTIDS	250.5	41.7	98.6	25.0	0.	0.	COTTIDS	0.	23.2	64.4	0.	31.5	0.
IDIOTS	0.	0.	0.	0.	0.	0.	IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.	OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.	ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.	GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFS	52.2	8.4	74.4	0.	2.6	1.8	MISC RDFS	0.	26.2	5.2	0.	34.8	21.6
TOT. RDFS	302.7	218.1	747.4	115.0	433.3	362.8	TOT. RDFS	170.0	49.4	69.6	0.	66.3	93.6
SHELL FISH							SHELL FISH						
KING CRB	0.	0.	0.	0.	6.5	62.5	KING CRB	150.0	105.0	40.0	0.	400.0	71.4
TANNER CRB	64.3	200.4	536.6	302.0	366.6	26.6	TANNER CRB	100.0	203.9	0.	0.	121.8	186.8
DUNGEN CRB	0.	0.	0.	0.	0.	0.	DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.	SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	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	TOT. SHFSH	250.0	308.9	40.0	0.	521.8	258.2
OCPS + SQD	0.	0.	0.	0.	0.	0.	OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	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	TOT. CATCH	766.5	1036.0	906.4	19.7	1094.2	1345.0

HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	H 13 6D 060468 161 00 57 00 HARMNY 60 039 3 1/2	H 14 6C 060468 160 45 56 45 HARMNY 55 039 3 1/2	H 15 6B 060568 160 30 56 30 HARMNY 60 033 3 1/2	H 16 7B 060568 161 15 56 15 HARMNY 60 038 3 1/2	H 17 7C 060568 161 30 56 30 HARMNY 60 046 3 1/2	H 18 7D 060668 161 45 56 45 HARMNY 60 046 3 1/2	HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	H 19 7E 060668 162 00 57 00 HARMNY 60 038 3 1/2	H 20 7F 060668 162 15 57 15 HARMNY 60 030 3 1/2	H 21 7F 060668 162 15 57 15 HARMNY 60 030 3 1/2	H 22 7G 060768 162 30 57 30 HARMNY 60 027 3 1/2	H 23 7H 060768 162 45 57 45 HARMNY 60 024 3 1/2	H 24 7I 060768 163 00 58 00 HARMNY 60 023 3 1/2
NO.LESS 65 NO.GTR 64 WT.LESS 65 WT.GTR 64 TOTAL WT.	3.0 1.0 4.0 6.6 10.6	24.0 1.1 24.7 6.9 31.6	48.0 2.0 80.7 19.9 100.6	8.0 1.0 5.3 16.0 21.3	11.0 1.0 18.2 8.7 26.9	29.0 1.0 31.2 6.0 37.2	NO.LESS 65 NO.GTR 64 WT.LESS 65 WT.GTR 64 TOTAL WT.	22.0 0. 38.7 0. 38.7	0. 0. 0. 0. 0.	20.0 0. 34.7 0. 34.7	27.0 1.0 24.3 6.9 31.2	23.0 1.0 23.2 7.3 30.5	17.0 3.0 22.2 64.1 86.3
SOLE+FLFSH FLATHEAD ROCK REX BUTTER YELLOWFIN ENGLISH DOVER TURBOT STR FLDR ALA PLAICE SAND SOLE PETRALE MISC FTFSH TOT. FTFSH	49.5 137.1 0. 0. 82.2 0. 0. 0. 0. 0. 63.2 0. 0. 0. 0. 332.0	62.8 298.6 0. 0. 565.9 0. 0. 31.6 91.7 0. 0. 0. 0. 0. 0. 1050.7	41.5 315.1 0. 0. 197.1 0. 0. 0. 2.1 0. 0. 0. 0. 0. 0. 555.7	15.0 752.9 0. 0. 221.6 0. 0. 0. 0. 0. 60.0 0. 0. 0. 0. 1049.5	7.5 13.0 0. 0. 650.0 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 670.5	88.0 296.9 0. 0. 232.3 0. 0. 52.0 0. 44.2 0. 0. 0. 0. 0. 713.4	SOLE+FLFSH FLATHEAD ROCK REX BUTTER YELLOWFIN ENGLISH DOVER TURBOT STR FLDR ALA PLAICE SAND SOLE PETRALE MISC FTFSH TOT. FTFSH	108.0 96.0 0. 0. 516.5 0. 0. 0. 0. 0. 27.6 0. 0. 0. 0. 748.1	0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	0. 60.0 0. 0. 60.0 0. 0. 0. 0. 120.0 0. 0. 0. 0. 240.0	15.5 196.9 0. 0. 369.2 0. 0. 0. 0. 200.2 0. 0. 0. 0. 781.7	28.9 119.9 0. 0. 428.1 0. 0. 0. 0. 196.8 0. 0. 0. 0. 773.7	0. 161.1 0. 0. 356.0 0. 0. 0. 0. 42.5 0. 0. 0. 0. 559.6
ROUND FISH LING COD TRUE COD BLACK COD POLLACK COTTIDS IDIOTS OC. PERCH ROCKFISH GRENADIER MISC RDFS TOT. RDFS	0. 21.6 0. 355.9 0. 0. 0. 0. 0. 0. 24.7 402.1	0. 0. 0. 66.4 0. 0. 0. 0. 0. 0. 9.5 75.9	0. 152.1 0. 866.2 21.4 0. 0. 0. 0. 0. 17.7 1057.5	0. 75.0 0. 60.0 15.0 0. 0. 0. 0. 0. 23.7 173.7	0. 26.0 0. 90.1 0. 0. 0. 0. 0. 0. 0. 26.0	0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 5.2 95.3	ROUND FISH LING COD TRUE COD BLACK COD POLLACK COTTIDS IDIOTS OC. PERCH ROCKFISH GRENADIER MISC RDFS TOT. RDFS	0. 18.0 0. 0. 0. 0. 0. 0. 0. 0. 9.6 27.6	0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	0. 0. 0. 120.0 0. 0. 0. 0. 0. 0. 0. 120.0	0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3.1 3.1	0. 49.3 0. 0. 0. 0. 0. 0. 0. 0. 27.4 76.7	0. 0. 0. 0. 8.5 0. 0. 0. 0. 0. 25.5 34.0
SHELL FISH KING CRB TANNER CRB DUNGEN CRB SHRIMP SCALLOP TOT. SHFSH  OCPS + SQD ELASMOBRCH  TOT. CATCH	198.7 265.1 0. 0. 0. 0. 463.9  0. 0.  1208.7	0. 0. 0. 0. 0. 0. 0.  0. 0.  1158.2	0. 207.9 0. 0. 0. 0. 207.9  0. 0.  1921.7	40.0 0. 0. 0. 0. 0. 40.0  0. 0.  1284.4	664.0 0. 0. 0. 0. 0. 664.0  0. 0.  1387.4	100.0 0. 0. 0. 0. 0. 100.0  0. 0.  945.9	SHELL FISH KING CRB TANNER CRB DUNGEN CRB SHRIMP SCALLOP TOT. SHFSH  OCPS + SQD ELASMOBRCH  TOT. CATCH	135.0 24.0 0. 0. 0. 0. 159.0  0. 0.  973.4	0. 0. 0. 0. 0. 0. 0.  0. 0.  0.	165.0 4800.0 0. 0. 0. 0. 4965.0  0. 0.  5359.7	74.4 1231.4 0. 0. 0. 0. 1305.8  0. 0.  2121.8	90.0 32.6 0. 0. 0. 0. 122.6  0. 0.  1003.4	35.0 23.7 0. 0. 0. 0. 58.7  0. 0.  738.7

HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	H 25 7J 060768 163 15 58 15 HARMNY 60 023 3 1/2	H 26 7K 060868 163 30 58 30 HARMNY 60 022 3 1/2	H 27 8L 060868 164 30 58 30 HARMNY 60 022 3 1/2	H 28 8K 060868 164 15 58 15 HARMNY 60 024 3 1/2	H 29 8J 060968 164 00 58 00 HARMNY 60 028 3 1/2	H 30 8I 061068 163 45 57 45 HARMNY 60 028 3 1/2	HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	H 31 8H 061068 163 30 57 30 HARMNY 60 029 3 1/2	H 32 8G 061068 163 15 57 15 HARMNY 60 033 3 1/2	H 33 8F 061068 163 00 57 00 HARMNY 60 035 3 1/2	H 34 8E 061168 162 45 56 45 HARMNY 60 043 3 1/2	H 35 8D 061168 162 30 56 30 HARMNY 60 042 3 1/2	H 36 8C 061168 162 15 56 15 HARMNY 60 043 3 1/2
NO.LESS 65 NO.GTR 64 WT.LESS 65 WT.GTR 64 TOTAL WT.	15.0 3.0 17.9 24.8 42.7	5.0 1.0 7.7 8.3 16.1	3.0 0. 2.2 0. 2.2	6.0 2.0 14.4 16.3 30.7	0. 1.0 0. 7.3 7.3	4.0 1.0 9.0 43.7 52.6	NO.LESS 65 NO.GTR 64 WT.LESS 65 WT.GTR 64 TOTAL WT.	3.0 2.0 4.4 21.6 26.0	3.0 0. 3.5 0. 3.5	0. 1.0 0. 6.6 6.6	2.0 0. 1.7 0. 1.7	7.0 0. 9.4 0. 9.4	4.0 0. 2.0 0. 2.0
SOLE+FLFSH FLATHEAD ROCK REX BUTTER YELLOWFIN ENGLISH DOVER TURBOT STR FLDR ALA PLAICE SAND SOLE PETRALE MISC FTFSH TOT. FTFSH	0. 10.0 0. 0. 300.0 0. 0. 0. 0. 0. 20.0 0. 0. 0. 330.0	0. 73.8 0. 0. 672.5 0. 0. 0. 0. 0. 4.4 0. 0. 0. 750.7	0. 24.7 0. 0. 86.5 0. 0. 0. 0. 0. 15.0 0. 0. 0. 126.3	0. 56.4 0. 0. 171.8 0. 0. 0. 0. 0. 59.8 0. 0. 0. 288.0	5.0 113.6 0. 0. 181.5 0. 0. 0. 0. 0. 61.4 0. 0. 0. 361.6	62.0 254.6 0. 0. 436.4 0. 0. 0. 0. 0. 116.0 0. 0. 0. 869.1	SOLE+FLFSH FLATHEAD ROCK REX BUTTER YELLOWFIN ENGLISH DOVER TURBOT STR FLDR ALA PLAICE SAND SOLE PETRALE MISC FTFSH TOT. FTFSH	13.0 102.9 0. 0. 642.5 0. 0. 0. 0. 0. 87.5 0. 0. 0. 845.9	70.6 175.8 0. 0. 251.2 0. 0. 0. 0. 0. 146.2 0. 0. 0. 643.7	36.1 180.6 0. 0. 488.7 0. 0. 0. 2.1 0. 44.1 0. 0. 0. 751.6	34.8 32.6 0. 0. 152.5 0. 0. 0. 26.4 0. 24.2 0. 0. 270.6	67.1 91.7 0. 0. 145.3 0. 0. 0. 27.0 0. 12.0 0. 0. 343.2	14.3 191.6 0. 0. 131.2 0. 0. 0. 9.0 2.4 0. 0. 0. 0. 348.5
ROUND FISH LING COD TRUE COD BLACK COD POLLACK COTTIDS IDIOTS OC. PERCH ROCKFISH GRENADIER MISC RDFS TOT. RDFS	0. 0. 0. 0. 0. 0. 0. 0. 0. 5.0 5.0	0. 4.4 0. 0. 69.8 0. 0. 0. 0. 8.6 82.8	0. 0. 0. 0. 4.9 0. 0. 0. 0. 24.7 29.6	0. 0. 0. 0. 0. 0. 0. 0. 0. 6.2 6.2	0. 54.0 0. 0. 117.0 0. 0. 0. 0. 9.0 180.0	0. 3.6 0. 118.8 64.8 0. 0. 0. 0. 14.6 201.8	ROUND FISH LING COD TRUE COD BLACK COD POLLACK COTTIDS IDIOTS OC. PERCH ROCKFISH GRENADIER MISC RDFS TOT. RDFS	0. 156.0 0. 809.5 49.4 0. 0. 0. 0. 7.8 1022.7	0. 301.5 0. 577.9 50.0 0. 0. 0. 0. 0. 929.4	0. 8.4 0. 24.0 6.0 0. 0. 0. 0. 21.0 59.4	0. 0. 0. 218.6 0. 0. 0. 0. 8.8 227.4	0. 100.7 0. 153.3 13.5 0. 0. 0. 0. 1.5 269.1	0. 72.6 0. 405.1 0. 0. 0. 0. 0. 2.2 479.9
SHELL FISH KING CRB TANNER CRB DUNGEN CRB SHRIMP SCALLOP TOT. SHFSH  OCPS + SQD ELASMOBRCH TOT. CATCH	7.0 10.0 0. 0. 0. 17.0	110.0 8.7 0. 0. 0. 118.7	0. 54.4 0. 0. 0. 54.4	0. 269.5 0. 0. 0. 269.5	0. 11.3 0. 0. 0. 11.3	0. 360.1 0. 0. 0. 360.1	SHELL FISH KING CRB TANNER CRB DUNGEN CRB SHRIMP SCALLOP TOT. SHFSH  OCPS + SQD ELASMOBRCH TOT. CATCH	0. 180.1 0. 0. 0. 180.1	150.0 477.5 0. 0. 0. 627.5	355.0 191.2 0. 0. 0. 546.2	39.0 446.9 0. 0. 0. 485.9	255.0 107.0 0. 0. 0. 362.0	276.0 229.4 0. 0. 0. 505.4
	0. 0. 394.7	0. 0. 968.1	0. 0. 212.5	0. 0. 594.4	0. 6.2 566.3	0. 7.3 1490.9	0. 5.2 2079.9	0. 0. 2204.1	0. 0. 1363.9	0. 0. 985.5	0. 5.4 989.0	0. 0. 1335.8	

HAUL NO.	H 37	H 38	H 39	H 40	H 41	H 42	HAUL NO.	H 43	H 44	H 45	H 46	H 47	H 48
STATION	8B	9B	9C	10C	10B	10A	STATION	11A	11B	11C	12C	12B	12A
MO DA YR	061268	061268	061268	061268	061368	061368	MO DA YR	061368	061468	061468	061468	061568	061568
W. LONG.	162 00	162 45	163 00	163 45	163 30	163 15	W. LONG.	164 00	164 15	164 30	165 15	165 00	164 45
N. LAT.	56 00	55 45	56 00	55 45	55 30	55 15	N. LAT.	55 10	55 15	55 30	55 15	55 00	54 45
VESSEL	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY	VESSEL	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY
DURATION	60	60	60	60	60	60	DURATION	60	60	60	60	60	60
DEPTH MAX.	034	032	048	052	045	025	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	NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH							CATCH						
HALIBUT							HALIBUT						
NO. LESS 65	17.0	6.0	3.0	1.0	15.0	41.0	NO. LESS 65	23.0	3.0	3.0	0.	0.	6.0
NO. GTR 64	0.	0.	1.0	1.0	0.	3.0	NO. GTR 64	1.0	1.0	2.0	0.	0.	2.0
WT. LESS 65	14.6	2.8	3.7	1.7	9.6	33.2	WT. LESS 65	12.3	2.8	3.6	0.	0.	6.0
WT. GTR 64	0.	0.	14.3	16.6	0.	86.8	WT. GTR 64	6.0	16.0	35.8	0.	0.	34.4
TOTAL WT.	14.6	2.8	18.0	18.3	9.6	120.0	TOTAL WT.	18.3	18.8	39.4	0.	0.	40.4
SOLE+FLFSH							SOLE+FLFSH						
FLATHEAD	25.1	53.8	12.9	113.4	98.3	27.5	FLATHEAD	0.	44.0	56.6	7.5	168.3	0.
ROCK	316.7	269.2	0.	80.8	0.	383.2	ROCK	217.3	39.9	41.2	0.	57.6	180.1
REX	0.	0.	0.	9.6	36.0	0.	REX	0.	0.	0.	0.	17.5	0.
BUTTER	43.2	0.	0.	0.	101.1	0.	BUTTER	37.6	0.	0.	0.	0.	0.
YELLOWFIN	158.3	411.5	293.0	307.5	565.5	1806.9	YELLOWFIN	1164.7	0.	103.0	0.	88.8	113.2
ENGLISH	0.	0.	0.	0.	0.	0.	ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.	DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	27.0	15.0	6.0	110.0	TURBOT	27.9	0.	221.4	15.0	61.8	12.0
STR FLDR	0.	0.	0.	0.	0.	1.5	STR FLDR	1.5	0.	0.	0.	0.	0.
ALA PLAICE	13.2	15.8	0.	30.0	69.0	0.	ALA PLAICE	60.0	0.	0.	0.	0.	0.
SAND SOLE	0.	0.	0.	0.	0.	0.	SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.	PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.	MISC FTFSH	0.	0.	6.0	3.0	0.	0.
TOT. FTFSH	556.5	750.3	333.0	556.3	876.0	2329.2	TOT. FTFSH	1509.0	83.9	428.3	25.5	394.0	305.4
ROUND FISH							ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.	LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	59.4	0.	14.4	30.0	0.	0.	TRUE COD	60.0	404.8	40.0	30.0	41.4	0.
BLACK COD	18.1	0.	0.	0.	0.	0.	BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	604.8	106.8	386.9	33.0	POLLACK	167.4	2428.4	719.8	1200.0	177.1	0.
COTTIDS	6.6	205.4	0.	22.4	148.3	60.1	COTTIDS	23.2	0.	40.8	0.	33.2	239.5
IDIOTS	0.	0.	0.	0.	0.	0.	IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.	OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.	ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.	GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFS	60.0	2.7	3.6	1.6	29.8	33.0	MISC RDFS	0.	0.	0.	0.	8.4	7.3
TOT. RDFS	144.1	208.1	622.8	160.8	565.1	126.1	TOT. RDFS	250.6	2833.2	800.6	1230.0	260.2	246.7
SHELL FISH							SHELL FISH						
KING CRB	297.0	140.0	110.0	80.0	399.0	15.0	KING CRB	0.	345.0	135.0	0.	58.5	0.
TANNER CRB	87.1	343.0	339.2	242.4	982.8	0.	TANNER CRB	0.	1435.7	800.0	0.	248.3	50.4
DUNGEN CRB	0.	0.	0.	0.	0.	0.	DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.	SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	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	TOT. SHFSH	0.	1780.7	935.0	0.	306.8	50.4
OCPS + SQD	0.	0.	0.	0.	0.	0.	OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	1.8	10.3	0.	0.	ELASMOBRCH	0.	4.2	12.4	5.0	15.0	0.
TOT. CATCH	1099.3	1444.3	1424.8	1068.0	2832.5	2590.3	TOT. CATCH	1777.9	4720.8	2215.7	1260.5	976.0	642.9

HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	H 49 15Y 062168 173 00 60 00 HARMNY 22 042 3 1/2	H 51 15AA	H 53 15AC 062168 174 00 61 00 HARMNY 60 046 3 1/2	H 54 14AB 062268 173 00 61 00 HARMNY 60 038 3 1/2	H 56 14AX 062268 172 44 60 33 HARMNY 60 024 3 1/2	H 57 14Z 062268 172 30 60 30 HARMNY 60 027 3 1/2	HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	H 59 14X 062368 172 00 60 00 HARMNY 60 038 3 1/2	H 60 13Y 062368 171 30 60 30 HARMNY 60 036 3 1/2	H 62 13AA 062468 172 00 61 00 HARMNY 60 035 3 1/2	H 64 11Y 062468 170 00 61 00 HARMNY 60 026 3 1/2	H 66 9W 062568 168 00 61 00 HARMNY 60 017 3 1/2	H 67 8V 062568 167 00 61 00 HARMNY 60 013 3 1/2	
HALIBUT NO. LESS 65 NO. GTR 64 WT. LESS 65 WT. GTR 64 TOTAL WT.	2.7 0. 2.2 0. 2.2	0. 0. 0. 0. 0.	0. 0. 0. 0. 0.	0. 0. 0. 0. 0.	0. 0. 0. 0. 0.	0. 0. 0. 0. 0.	HALIBUT NO. LESS 65 NO. GTR 64 WT. LESS 65 WT. GTR 64 TOTAL WT.	0. 0. 0. 0. 0.	0. 0. 0. 0. 0.	0. 0. 0. 0. 0.	1.0 0. 3.7 0. 3.7	0. 0. 0. 0. 0.	0. 0. 0. 0. 0.	1.0 0. 1.2 0. 1.2
SOLE+FLFSH FLATHEAD ROCK REX BUTTER YELLOWFIN ENGLISH DOVER TURBOT STR FLDR ALA PLAICE SAND SOLE PETRALE MISC FTFSH TOT. FTFSH	13.6 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 13.6	0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	2.5 0. 0. 0. 5.0 0. 0. 0. 0. 0. 0. 0. 0. 7.5	2.5 0. 0. 0. 5.0 0. 0. 0. 0. 0. 0. 0. 0. 7.5	5.0 0.5 0. 0. 32.2 0. 0. 0. 0. 0. 3.0 0. 0. 0. 40.7	15.0 0. 0. 0. 15.0 0. 0. 0. 0. 0. 0. 0. 0. 30.0	SOLE+FLFSH FLATHEAD ROCK REX BUTTER YELLOWFIN ENGLISH DOVER TURBOT STR FLDR ALA PLAICE SAND SOLE PETRALE MISC FTFSH TOT. FTFSH	0. 0. 0. 0. 0. 26.0 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	4.8 0. 0. 0. 0. 26.0 0. 0. 0. 0. 0. 0. 0. 0. 30.8	0.5 0. 0. 0. 0. 1.0 0. 0. 0. 0. 0. 0. 0. 1.5	0. 0. 0. 0. 50.0 0. 0. 0. 0. 0. 0. 0. 0. 50.0	0.5 0. 0. 0. 14.5 0. 0. 0. 0. 0. 9.0 0. 0. 24.0	0. 0. 0. 0. 233.8 0. 0. 0. 0. 0. 0. 0. 0. 246.2	
ROUND FISH LING COD TRUE COD BLACK COD POLLACK COTTIDS IDIOTS OC. PERCH ROCKFISH GRENADIER MISC RDFS TOT. RDFS	0. 0. 0. 0. 27.3 0. 0. 0. 0. 0. 2.7 30.0	0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 5.0 5.0	0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 5.0 5.0	0. 1.0 0. 0. 0. 24.5 0. 0. 0. 0. 0.2 25.7	0. 0. 0. 0. 30.0 0. 0. 0. 0. 0. 0. 30.0	ROUND FISH LING COD TRUE COD BLACK COD POLLACK COTTIDS IDIOTS OC. PERCH ROCKFISH GRENADIER MISC RDFS TOT. RDFS	0. 0. 0. 0. 0. 15.0 0. 0. 0. 0. 4.0 19.0	0. 0. 0. 0. 18.8 0. 0. 0. 0. 0. 156.5 175.3	0. 0. 0. 0. 0. 50.0 0. 0. 0. 0. 3.2 3.2	0. 0. 0. 0. 0. 50.0 0. 0. 0. 0. 0. 50.0	0. 0. 0. 0. 0. 23.0 0. 0. 0. 0. 0.5 23.5	0. 9.3 0. 0. 0. 40.0 0. 0. 0. 0. 30.0 79.3	
SHELL FISH KING CRB TANNER CRB DUNGEN CRB SHRIMP SCALLOP TOT. SHFSH OCPS + SQD ELASMOBRCH TOT. CATCH	27.3 60.0 0. 0. 0. 87.3 0. 0.	0. 0. 0. 0. 0. 0. 0. 0.	0. 15.0 0. 0. 0. 15.0 0. 0.	0. 15.0 0. 0. 0. 15.0 0. 0.	0. 5.5 0. 0. 0. 5.5 0. 0.	6.8 240.0 0. 0. 0. 246.8 0. 0.	SHELL FISH KING CRB TANNER CRB DUNGEN CRB SHRIMP SCALLOP TOT. SHFSH OCPS + SQD ELASMOBRCH TOT. CATCH	10.0 135.0 0. 0. 0. 145.0 0. 0.	0. 720.0 0. 0. 0. 720.0 0. 0.	0. 140.0 0. 0. 0. 140.0 0. 0.	0. 0. 0. 0. 0. 0. 0. 0.	0. 4.0 0. 0. 0. 4.0 0. 0.	6.0 0. 0. 0. 0. 6.0 0. 0.	

HAUL NO. STATION	H 69 1UV	H 71 12V	H 73 10T	H 75 9Q	H 76 8P	H 77 8N	HAUL NO. STATION	H 78 90	H 79 10P	H 80 11Q	H 81 110	H 82 10N	H 83 9M
MO DA YR	062668	062668	062768	062768	062868	062868	MO DA YR	062868	062968		062968	063068	
W. LONG.	168 30	170 00	168 00	166 30	165 30	165 00	W. LONG.	166 00	167 00		167 30	166 30	
N. LAT.	60 30	60 00	60 00	59 30	59 30	59 00	N. LAT.	59 00	59 00		58 30	58 30	
VESSEL	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY	VESSEL	HARMNY	HARMNY		HARMNY	HARMNY	
DURATION	63	60	60	60	60	60	DURATION	60	60	0	60	60	0
DEPTH MAX.	020	031	019	016	011	015	DEPTH MAX.	017	021		026	026	
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	NET MESH	3 1/2	3 1/2		3 1/2	3 1/2	
CATCH							CATCH			N TRWL			N TRWL
HALIBUT							HALIBUT						
NO. LESS 65	1.9	0.	3.0	10.0	45.0	16.0	NO. LESS 65	7.0	8.0	0.	1.0	2.0	0.
NO. GTR 64	0.	0.	0.	6.0	6.0	0.	NO. GTR 64	5.0	2.0	0.	0.	1.0	0.
WT. LESS 65	5.2	0.	5.8	18.7	58.0	17.2	WT. LESS 65	26.8	6.7	0.	1.2	3.7	0.
WT. GTR 64	0.	0.	0.	41.4	51.1	0.	WT. GTR 64	45.3	40.0	0.	0.	17.2	0.
TOTAL WT.	5.2	0.	5.8	60.1	109.1	17.2	TOTAL WT.	72.1	46.6	0.	1.2	20.9	0.
SOLE+FLFSH							SOLE+FLFSH						
FLATHEAD	1.9	0.	0.	0.	0.	0.	FLATHEAD	0.	0.	0.	0.	0.	0.
ROCK	1.1	0.	0.9	23.5	23.4	83.6	ROCK	0.	1.6	0.	234.8	126.0	0.
REX	0.	0.	0.	0.	0.	0.	REX	0.	0.	0.	0.	0.	0.
BUTTER	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	YELLOWFIN	216.7	440.5	0.	78.4	788.4	0.
ENGLISH	0.	0.	0.	0.	0.	0.	ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.	DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	0.	TURBOT	0.	0.	0.	0.	0.	0.
STR FLDR	1.0	0.	0.	0.	1.4	2.9	STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	16.0	1.4	6.0	0.	0.	24.5	ALA PLAICE	0.	78.4	0.	240.1	472.5	0.
SAND SOLE	0.	0.	0.	0.	0.	0.	SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.	PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	1.0	0.	0.	MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	95.9	114.7	18.5	321.5	354.7	1171.5	TOT. FTFSH	216.7	520.5	0.	553.3	1386.9	0.
ROUND FISH							ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.	LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	7.5	0.	2.7	0.	TRUE COD	0.	94.4	0.	44.1	1260.9	0.
BLACK COD	0.	0.	0.	0.	0.	0.	BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	14.0	4.5	0.	1.8	0.	POLLACK	0.	49.6	0.	2398.1	224.8	0.
COTTIDS	125.7	30.0	6.0	8.0	9.9	0.	COTTIDS	61.0	0.	0.	117.6	410.8	0.
IDIOTS	0.	0.	0.	0.	0.	0.	IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.	OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.	ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.	GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFS	0.	0.	0.3	7.1	21.8	7.5	MISC RDFS	7.8	11.2	0.	9.8	69.3	0.
TOT. RDFS	125.7	44.0	18.3	15.1	36.2	7.5	TOT. RDFS	68.8	155.2	0.	2569.6	1965.8	0.
SHELL FISH							SHELL FISH						
KING CRB	0.	0.	8.0	0.	0.	3.0	KING CRB	8.0	2.2	0.	0.	0.	0.
TANNER CRB	0.	49.6	0.	0.	0.	0.	TANNER CRB	0.	1.6	0.	538.0	220.7	0.
DUNGEN CRB	0.	0.	0.	0.	0.	0.	DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.	SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.	SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	0.	49.6	8.0	0.	0.	3.0	TOT. SHFSH	8.0	3.8	0.	538.0	220.7	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.	OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.	ELASMOBRCH	0.	0.	0.	0.	8.0	0.
TOT. CATCH	226.9	208.3	50.6	396.7	500.0	1199.2	TOT. CATCH	365.6	726.2	0.	3662.2	3602.2	0.



HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	H 84 8L	H 85 7K	H 86 6J	H 87 6H	H 88 6A	H 89 6A	HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	H 90 7A	H 91 7A	H 92 8A	H 93 9A	H 94 9A	H 95 10A
MO DA YR	063068	070168	070168	070168	070768		MO DA YR	070768			070868	070868	070968
W. LONG.	164 30	163 30	162 30	162 30	160 29		W. LONG.	161 14			162 38	162 32	163 17
N. LAT.	58 30	58 30	58 30	58 00	56 28		N. LAT.	56 16			55 38	55 31	55 14
VESSEL	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY		VESSEL	HARMNY			HARMNY	HARMNY	HARMNY
DURATION	60	60	60	60	15	0	DURATION	15	0	0	15	15	15
DEPTH MAX.	022	019	019	022	024		DEPTH MAX.	022			022	010	019
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	1 1/4		NET MESH	1 1/4			1 1/4	1 1/4	1 1/4
CATCH						N TRWL	CATCH		N TRWL	N TRWL			
HALIBUT							HALIBUT						
NO.LESS 65	2.0	25.0	19.0	10.0	16.0	0.	NO.LESS 65	36.0	0.	0.	16.0	612.0	28.0
NO.GTR 64	0.	2.0	1.0	0.	0.	0.	NO.GTR 64	0.	0.	0.	0.	4.0	0.
WT.LESS 65	5.8	46.2	13.7	12.5	19.1	0.	WT.LESS 65	39.5	0.	0.	8.1	68.9	16.3
WT.GTR 64	0.	13.3	29.2	0.	0.	0.	WT.GTR 64	0.	0.	0.	0.	41.5	0.
TOTAL WT.	5.8	59.4	42.9	12.5	19.1	0.	TOTAL WT.	39.5	0.	0.	8.1	110.3	16.3
SOLE+FLFSH							SOLE+FLFSH						
FLATHEAD	0.	0.	0.	17.5	0.	0.	FLATHEAD	4.0	0.	0.	9.1	0.	6.1
ROCK	73.7	297.5	94.1	325.0	538.5	0.	ROCK	624.1	0.	0.	272.6	0.	78.0
REX	0.	0.	0.	0.	0.	0.	REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.	BUTTER	0.	0.	0.	0.6	0.	134.2
YELLOWFIN	341.0	757.0	690.3	350.0	382.3	0.	YELLOWFIN	29.6	0.	0.	253.2	0.	969.3
ENGLISH	0.	0.	0.	0.	0.	0.	ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.	DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	0.	TURBOT	0.	0.	0.	1.2	0.	12.0
STR FLDR	0.	0.	3.4	0.	0.	0.	STR FLDR	0.	0.	0.	6.4	0.	0.
ALA PLAICE	175.2	13.5	0.7	0.	0.	0.	ALA PLAICE	0.	0.	0.	6.0	0.	12.0
SAND SOLE	0.	0.	0.	0.	0.	0.	SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.	PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	162.5	0.	0.	MISC FTFSH	0.	0.	0.	0.8	0.	1.2
TOT. FTFSH	589.9	1068.0	788.5	855.0	920.8	0.	TOT. FTFSH	657.8	0.	0.	549.9	0.	1212.8
ROUND FISH							ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.	LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	25.2	0.	0.	28.0	144.1	0.	TRUE COD	139.8	0.	0.	5.3	0.	55.2
BLACK COD	0.	0.	0.	0.	0.	0.	BLACK COD	0.	0.	0.	2.4	0.	0.
POLLACK	1686.8	0.	0.	195.0	0.	0.	POLLACK	20.8	0.	0.	83.6	0.	7.2
COTTIDS	405.8	86.4	0.7	350.0	150.0	0.	COTTIDS	118.2	0.	0.	6.0	0.	0.
IDIOTS	0.	0.	0.	0.	0.	0.	IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.	OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.	ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.	GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFS	7.4	5.4	3.6	30.0	16.6	0.	MISC RDFS	16.8	0.	0.	38.8	0.	62.0
TOT. RDFS	2125.2	91.8	4.3	603.0	310.7	0.	TOT. RDFS	295.6	0.	0.	136.2	0.	124.4
SHELL FISH							SHELL FISH						
KING CRB	0.	0.	0.	242.0	8.0	0.	KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	156.6	0.	0.	0.	0.	0.	TANNER CRB	0.	0.	0.	0.	0.	0.
DUNGEN CRB	0.	0.	0.	0.	0.	0.	DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.	SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.	SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	156.6	0.	0.	242.0	8.0	0.	TOT. SHFSH	0.	0.	0.	0.	0.	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.	OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	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.	TOT. CATCH	992.8	0.	0.	694.2	110.3	1353.5

HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	H 96 10A 070968 163 14 55 11 HARMNY 15 012 1 1/4	H. 97 11A 070968 164 08 55 05 HARMNY 15 021 1 1/4	H 98 11A 0 N TRWL	H 99 12A 071068 164 45 54 45 HARMNY 15 022 1 1/4	H100 12A 071068 164 43 54 41 HARMNY 15 015 1 1/4	H101 12A 071068 164 43 54 41 HARMNY 15 010 1 1/4
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 RDFS	83.6	2.8	0.	1.2	0.	6.0
TOT. RDFS	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. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	T 1 4F	T 2 4F	T 3 4E	T 4 4D	T 5 4C	T 6 3C	HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	T 7 3D	T 8 5C	T 9 5D	T 10 5E	T 11 5F	T 12 5G
NO. LESS 65	0.	5.0	32.4	20.0	26.0	0.	NO. LESS 65	12.0	3.0	16.0	17.0	12.0	4.0
NO. GTR 64	0.	0.	0.	0.	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. LESS 65	2.5	5.7	10.2	9.3	9.4	2.1
WT. GTR 64	0.	0.	0.	0.	0.	0.	WT. GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	0.	3.1	14.7	13.1	10.2	0.	TOTAL WT.	2.5	5.7	10.2	9.3	9.4	2.1
SOLE+FLFSH							SOLE+FLFSH						
FLATHEAD	0.	0.	24.7	0.	0.	0.	FLATHEAD	0.	30.1	43.2	32.2	186.2	0.
ROCK	0.	101.8	346.7	1166.9	437.1	0.	ROCK	60.0	212.7	477.8	863.7	55.8	158.6
REX	0.	0.	0.	0.	0.	0.	REX	0.	17.2	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.	BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	855.5	743.4	300.0	291.5	0.	YELLOWFIN	1520.0	127.6	214.9	323.9	2785.4	845.9
ENGLISH	0.	0.	0.	0.	0.	0.	ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.	DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	0.	TURBOT	0.	0.	0.	0.	0.	10.7
STR FLDR	0.	0.	0.	42.5	0.	0.	STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	4.9	39.8	0.	0.	0.	ALA PLAICE	40.0	0.	19.2	11.0	371.7	84.7
SAND SOLE	0.	0.	0.	0.	0.	0.	SAND SOLE	0.	25.8	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.	PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	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.	TOT. FTFSH	1620.0	413.4	755.1	1230.8	3399.1	1099.8
ROUND FISH							ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.	LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	200.0	437.4	0.	TRUE COD	0.	0.	0.	0.	7.4	0.
BLACK COD	0.	0.	0.	0.	0.	0.	BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	79.2	299.2	63.8	0.	POLLACK	0.	8084.4	4060.9	2049.7	20.5	0.
COTTIDS	0.	101.5	69.3	0.	87.0	0.	COTTIDS	80.0	0.	0.	17.6	223.5	158.2
IDIOTS	0.	0.	0.	0.	0.	0.	IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.	OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.	ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.	GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFS	0.	7.5	5.1	25.0	11.6	0.	MISC RDFS	2.0	0.	19.2	32.4	37.1	15.8
TOT. RDFS	0.	109.0	153.6	524.3	599.8	0.	TOT. RDFS	82.0	8084.4	4080.1	2099.7	268.0	174.0
SHELL FISH							SHELL FISH						
KING CRB	0.	3.6	283.8	0.	45.2	0.	KING CRB	0.	188.0	238.0	66.0	222.0	34.7
TANNER CRB	0.	6.3	14.4	299.5	43.9	0.	TANNER CRB	0.	106.2	0.	129.0	222.7	0.
DUNGEN CRB	0.	0.	0.	0.	0.	0.	DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.	SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	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.	TOT. SHFSH	0.	294.2	238.0	195.0	444.7	34.7
OCPS + SQD	0.	0.	0.	0.	0.	0.	OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	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.	TOT. CATCH	1704.5	8797.8	5083.4	3534.7	4121.2	1310.5

HAUL NO. STATION	T 13 61	T 14 6H	T 15 6G	T 16 6F	T 17 6E	T 18 6D	HAUL NO. STATION	T 19 6C	T 20 6B	T 21 7B	T 22 7C	T 23 7D	T 24 7E
MO DA YR	060469	060469	060469	060569	060569	060569	MO DA YR	060669	060669	060769	061169	061169	061169
W. LONG.	162 15	162 00	161 45	161 30	161 15	161 00	W. LONG.	160 45	160 30	161 15	161 30	161 45	162 00
N. LAT.	58 15	58 00	57 45	57 30	57 15	57 00	N. LAT.	56 45	56 30	56 15	56 30	56 45	57 00
VESSEL	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN	VESSEL	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN
DURATION	60	60	60	60	60	60	DURATION	60	29	30	60	60	60
DEPTH MAX.	018	022	028	031	040	040	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	NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH							CATCH						
HALIBUT							HALIBUT						
NO.LESS 65	4.0	4.0	3.0	30.0	25.0	8.0	NO.LESS 65	13.0	12.4	8.0	2.0	8.0	11.0
NO.GTR 64	0.	0.	0.	0.	1.0	0.	NO.GTR 64	0.	0.	0.	1.0	0.	3.0
WT.LESS 65	2.5	8.9	4.9	26.0	24.2	8.5	WT.LESS 65	16.8	8.3	4.7	2.0	15.4	31.4
WT.GTR 64	0.	0.	0.	0.	6.3	0.	WT.GTR 64	0.	0.	0.	14.8	0.	30.8
TOTAL WT.	2.5	8.9	4.9	26.0	30.5	8.5	TOTAL WT.	16.8	8.3	4.7	16.8	15.4	62.2
SOLE+FLFSH							SOLE+FLFSH						
FLATHEAD	0.	5.5	0.	16.5	222.5	23.5	FLATHEAD	13.0	0.	0.	17.2	72.9	33.3
ROCK	171.8	165.5	0.	108.9	556.9	948.0	ROCK	308.1	1153.4	0.	689.6	364.2	248.0
REX	0.	0.	0.	0.	0.	0.	REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.	BUTTER	0.	0.	0.	17.5	0.	0.
YELLOWFIN	45.9	331.3	0.	217.9	556.9	711.0	YELLOWFIN	256.8	3689.2	0.	241.2	97.1	330.6
ENGLISH	0.	0.	0.	0.	0.	0.	ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.	DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	0.	TURBOT	0.	0.	0.	0.	0.	0.
STR FLDR	13.2	0.	0.	0.	44.4	0.	STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	2.3	220.8	0.	108.6	0.	12.0	ALA PLAICE	0.	22.8	0.	86.2	60.8	25.5
SAND SOLE	0.	0.	0.	0.	0.	0.	SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.	PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	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	TOT. FTFSH	577.8	4865.4	0.	1051.8	595.0	637.4
ROUND FISH							ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.	LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	38.5	0.	0.	TRUE COD	78.0	692.1	0.	171.7	36.5	0.
BLACK COD	0.	0.	0.	0.	0.	0.	BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	11.0	111.0	70.5	POLLACK	770.7	195.5	0.	1724.2	0.	99.0
COTTIDS	57.1	33.0	0.	1.1	0.	0.	COTTIDS	2.6	0.	0.	0.	0.	0.
IDIOTS	0.	0.	0.	0.	0.	0.	IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.	OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.	ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.	GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFS	17.2	17.6	0.	0.	22.3	94.8	MISC RDFS	20.6	27.7	0.	34.5	4.8	16.5
TOT. RDFS	74.2	50.6	0.	50.6	133.3	165.3	TOT. RDFS	871.9	915.3	0.	1930.4	41.3	115.5
SHELL FISH							SHELL FISH						
KING CRB	0.	36.0	0.	142.5	0.	210.0	KING CRB	96.0	20.7	0.	5.0	40.0	44.0
TANNER CRB	0.	5.5	0.	61.6	1486.2	426.9	TANNER CRB	51.0	0.	0.	516.8	365.0	248.3
DUNGEN CRB	0.	0.	0.	0.	0.	0.	DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.	SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	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	TOT. SHFSH	147.0	20.7	0.	521.8	405.0	292.3
OCPS + SQD	0.	0.	0.	0.	0.	0.	OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	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	TOT. CATCH	1613.5	5809.7	4.7	3520.8	1056.7	1107.4

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

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

HAUL NO.	T 37	T 38	T 40	T 41	T 42	T 43	HAUL NO.	T 44	T 45	T 46	T 47	T 48	T 49
STATION	8G	8F	8D	8C	8B	9B	STATION	9C	10C	10B	10A	11A	11B
MO DA YR	061469	061469	061469	061469	061569	061569	MO DA YR	061569	061569	061569	061669	061669	061669
W. LONG.	163 15	163 00	162 30	162 15	162 00	162 45	W. LONG.	163 00	163 45	163 30	163 15	164 00	164 15
N. LAT.	57 15	57 00	56 30	56 15	56 00	55 45	N. LAT.	56 00	55 45	55 30	55 15	55 10	55 15
VESSEL	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN	VESSEL	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN
DURATION	60	60	60	60	60	60	DURATION	60	60	10	60	30	60
DEPTH MAX.	033	035	041	043	034	040	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	NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH							CATCH						
HALIBUT							HALIBUT						
NO. LESS 65	2.0	2.0	1.0	11.0	17.0	6.0	NO. LESS 65	6.0	4.0	12.0	12.0	78.0	7.0
NO. GTR 64	0.	0.	0.	0.	0.	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. LESS 65	8.3	5.5	9.1	10.6	51.2	11.1
WT. GTR 64	0.	0.	0.	0.	0.	0.	WT. GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	4.1	8.9	5.1	16.5	19.7	6.1	TOTAL WT.	8.3	5.5	9.1	10.6	51.2	11.1
SOLE+FLFSH							SOLE+FLFSH						
FLATHEAD	0.	95.8	77.5	12.3	51.5	823.1	FLATHEAD	26.4	118.7	0.	406.6	0.	277.9
ROCK	489.9	268.3	133.3	227.3	1342.3	30.0	ROCK	8.8	0.	451.3	871.3	300.0	509.8
REX	0.	0.	0.	0.	0.	0.	REX	0.	0.	0.	0.	0.	20.7
BUTTER	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	YELLOWFIN	658.8	436.0	201.6	4066.4	200.0	69.5
ENGLISH	0.	0.	0.	0.	0.	0.	ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.	DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	24.2	0.	0.	0.	TURBOT	0.	0.	20.4	0.	0.	115.7
STR FLDR	0.	0.	0.	0.	0.	0.	STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	391.5	13.0	0.	21.0	0.	86.2	ALA PLAICE	30.8	0.	81.6	127.6	0.	0.
SAND SOLE	0.	0.	0.	0.	0.	0.	SAND SOLE	0.	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.	PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.	MISC FTFSH	0.	0.	0.	5.8	20.0	0.
TOT. FTFSH	1534.6	597.5	623.5	550.2	1806.8	1500.6	TOT. FTFSH	724.8	554.7	754.9	5477.7	520.0	993.6
ROUND FISH							ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.	LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	16.5	95.0	37.4	42.0	722.9	55.5	TRUE COD	0.	238.0	0.	0.	300.0	46.0
BLACK COD	0.	0.	0.	0.	0.	0.	BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	1469.6	364.4	499.3	1405.8	31.5	3.7	POLLACK	57.2	594.5	0.	522.0	90.0	1158.1
COTTIDS	0.	0.	0.	0.	0.	130.7	COTTIDS	0.	12.0	183.6	11.6	0.	23.0
IDIOTS	0.	0.	0.	0.	0.	0.	IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.	OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.	ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.	GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFS	6.6	0.	33.4	6.3	16.5	37.5	MISC RDFS	0.	16.0	49.5	5.8	0.	0.
TOT. RDFS	1492.7	459.4	570.1	1454.1	771.0	227.4	TOT. RDFS	57.2	860.5	233.1	539.4	390.0	1227.1
SHELL FISH							SHELL FISH						
KING CRB	38.0	61.0	61.0	247.6	6.0	450.0	KING CRB	247.0	0.	162.0	0.	62.0	108.0
TANNER CRB	195.7	143.2	288.6	290.0	0.	898.3	TANNER CRB	264.0	991.7	3213.2	145.0	50.0	277.9
DUNGEN CRB	0.	0.	0.	0.	0.	0.	DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.	SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	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	TOT. SHFSH	511.0	991.7	3375.2	145.0	112.0	385.9
OCPS + SQD	0.	0.	0.	0.	0.	0.	OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	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	TOT. CATCH	1301.3	2412.4	4372.2	6172.7	1073.2	2617.7

HAUL NO. STATION	T 50 11C	T 51 12C	T 52 12B	T 53 12A	T 54 8A	T 55 9A	HAUL NO. STATION	T 56 9A	T 57 9A	T 58 9A	T 59 10A	T 60 10A	T 61 10A
MO DA YR	061669	061669	061769	061769		062469	MO DA YR	062469	062469	062469	062469	062469	062469
W. LONG.	164 30	165 15	165 00	164 45		162 32	W. LONG.	162 32	162 32	162 32	163 10	163 10	163 10
N. LAT.	55 30	55 15	55 00	54 45		55 29	N. LAT.	55 29	55 30	55 30	55 11	55 11	55 11
VESSEL	TONQIN	TONQIN	TONQIN	TONQIN		TONQIN	VESSEL	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN	TONQIN
DURATION	60	60	60	60	0	15	DURATION	3	16	15	6	15	12
DEPTH MAX.	056	062	061	039		018	DEPTH MAX.	018	009	008	017	015	010
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2		1 1/4	NET MESH	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
CATCH					N TRWL		CATCH						
HALIBUT							HALIBUT						
NO.LESS 65	2.0	0.	2.0	61.0	0.	72.0	NO.LESS 65	20.0	108.7	156.0	40.0	16.0	80.0
NO.GTR 64	1.0	0.	0.	0.	0.	0.	NO.GTR 64	0.	0.	0.	0.	0.	0.
WT.LESS 65	3.2	0.	4.5	51.6	0.	9.1	WT.LESS 65	2.2	13.5	20.7	30.8	5.4	10.4
WT.GTR 64	9.9	0.	0.	0.	0.	0.	WT.GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	13.1	0.	4.5	51.6	0.	9.1	TOTAL WT.	2.2	13.5	20.7	30.8	5.4	10.4
SOLE+FLFSH							SOLE+FLFSH						
FLATHEAD	41.0	10.5	41.9	5.6	0.	0.	FLATHEAD	0.	0.	0.	120.0	0.	0.
ROCK	8.2	0.	42.3	314.3	0.	481.3	ROCK	0.	13.6	188.5	160.0	56.8	250.4
REX	4.8	0.	0.	0.	0.	0.	REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.	BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	32.5	0.	21.8	164.0	0.	69.0	YELLOWFIN	0.	269.8	80.4	1614.2	1707.6	1875.3
ENGLISH	0.	0.	0.	0.	0.	0.	ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.	DOVER	0.	0.	0.	0.	0.	0.
TURBOT	14.8	42.0	4.0	17.8	0.	0.	TURBOT	0.	0.	0.	0.	0.	0.
STR FLDR	0.	0.	0.	0.	0.	0.	STR FLDR	0.	0.	0.	0.	56.0	75.0
ALA PLAICE	0.	0.	0.	0.	0.	0.	ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	0.	0.	0.	0.	0.	0.	SAND SOLE	0.	0.	0.	140.0	0.	250.0
PETRALE	0.	0.	0.	0.	0.	0.	PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.	MISC FTFSH	0.	0.	0.	0.	5.6	6.3
TOT. FTFSH	101.4	52.5	109.9	501.7	0.	550.3	TOT. FTFSH	0.	283.3	268.8	2034.2	1826.0	2457.1
ROUND FISH							ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.	LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	89.8	0.	0.	51.3	0.	17.3	TRUE COD	0.	1.5	8.0	4.0	0.	6.0
BLACK COD	0.	0.	0.	0.	0.	0.	BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	737.2	261.0	6.4	27.3	0.	0.	POLLACK	0.	0.	0.	4.0	0.	0.
COTTIDS	0.	0.	7.2	34.2	0.	2.8	COTTIDS	0.	0.	2.8	16.0	5.6	9.0
IDIOTS	0.	0.	0.	0.	0.	0.	IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	0.	0.	OC. PERCH	0.	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.	ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.	GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFS	0.	0.	3.4	15.4	0.	7.7	MISC RDFS	0.	28.5	28.8	113.0	398.6	24.5
TOT. RDFS	827.0	261.0	17.0	128.2	0.	27.9	TOT. RDFS	0.	30.0	39.6	137.0	404.2	39.5
SHELL FISH							SHELL FISH						
KING CRB	1036.7	26.0	561.0	92.0	0.	0.	KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	408.3	86.7	108.9	110.0	0.	0.	TANNER CRB	0.	0.	0.	0.	0.	0.
DUNGEN CRB	0.	0.	0.	0.	0.	0.	DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.	SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	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.	TOT. SHFSH	0.	0.	0.	0.	0.	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.	OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	8.0	0.6	0.	0.	0.	0.	ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	2394.6	426.8	801.3	883.5	0.	587.3	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 RDFS	84.9	2.4	17.6	11.9	11.2	0.
TOT. RDFS	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.