

INTERNATIONAL PACIFIC HALIBUT COMMISSION

Recruitment Investigations: Trawl Catch
Records, Gulf of Alaska, 1968 and 1969

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Introduction

The International Pacific Halibut Commission conducted an extensive trawl survey in the Gulf of Alaska from 1961 to 1963 (IPHC, 1964). This was prior to the development of any large scale foreign bottom fishing in the region. The survey was for the purpose of estimating the potential for a demersal trawl fishery in the Gulf of Alaska between Cape Spencer and Unimak Pass, and the effect such a fishery might have upon stocks of juvenile and adult halibut in the region.

Subsequently the Commission has annually monitored a representative sample of the approximately 750 offshore stations occupied on the continental shelf during the 1961-1963 survey (Best 1969a). Four clusters of such offshore stations are being assessed annually near Cape St. Elias, off Cape Chiniak, off Chirikof Island, and off Unimak Island (Table 1, Appendix Figure 1).

To collect information on the smallest sizes of halibut, groups of inshore stations have been sampled annually at Shelikof Bay, Kayak Island, Alitak Bay and Unimak Island and in some years in Icy Strait (Table 1, Appendix Figure 1).

The continuing program is designed to provide some indication of the changes that may be occurring in the numbers of young halibut in the region as might arise from natural fluctuations of year-class strengths or from the effects of foreign trawling that has greatly increased in the area since the 1961-1963 trawl survey.

Methods

The commercial otter trawl vessel ST. MICHAEL was chartered for the period of July 1 through August 30 to carry out the 1968 program in the Gulf of Alaska. The ST. MICHAEL is 72 feet (21.9 m.) in overall length, 107 gross tons, and powered by a 380-horsepower diesel engine. The crew complement consisted of the captain, two fishermen, and two members of the scientific staff of the Halibut Commission.

During the 1968 survey the Unimak Island stations were occupied during the period of July 12 to 17 by the chartered trawler HARMONY whose primary

Table 1. Summary of operations in the Gulf of Alaska, 1968 and 1969

<u>Study Areas</u>	<u>INPFC* Statistical Area</u>	<u>Fishing Dates</u>	<u>Vessel</u>	<u>Haul Numbers**</u>
1968				
<u>Offshore Stations</u>				
Cape St. Elias	Yakutat	Aug. 9-24	ST. MICHAEL	109-136, 147-153
Cape Chiniak	Kodiak	July 5-14	ST. MICHAEL	11-51
Chirikof Island	Chirikof	July 19-31	ST. MICHAEL	52-87
		July 23	HARMONY	118-121
Unimak Island	Shumagin	July 14-17	HARMONY	108-112, 116-117
<u>Inshore Stations</u>				
Shelikof Bay	Southeastern	July 1-2	ST. MICHAEL	1-10
		Aug. 28-30	ST. MICHAEL	157-171
Icy Strait	Southeastern	Aug. 26	ST. MICHAEL	154-156
Kayak Island	Yakutat	Aug. 22-23	ST. MICHAEL	137-146
Alitak Bay	Chirikof	Aug. 1-3	ST. MICHAEL	88-108
Unimak Island	Shumagin	July 12-16	HARMONY	102-107, 113-115
1969				
<u>Offshore Stations</u>				
Cape St. Elias	Yakutat	Aug. 15-25	TONQUIN	181-225
Cape Chiniak	Kodiak	Aug. 2-12	TONQUIN	154-180
Chirikof Island	Chirikof	July 7-21	TONQUIN	106-119, 132-153
Unimak Island	Shumagin	June 27- July 2	TONQUIN	77-105
<u>Inshore Stations</u>				
Shelikof Bay	Southeastern	Sept. 1-3	TONQUIN	236-256
Kayak Island	Yakutat	Aug. 26-27	TONQUIN	226-235
Alitak Bay	Chirikof	July 12-14	TONQUIN	120-131
Unimak Island	Shumagin	July 26-27	TONQUIN	67-76

* International North Pacific Fisheries Commission

** See Appendix tables

mission was the monitoring of the juvenile halibut resource in eastern Bering Sea (Best, 1969b). In addition, four comparison hauls were made by the two vessels in the vicinity of Chirikof Island. These hauls, ST. MICHAEL Nos. 65 to 68, and HARMONY Nos. 118 to 121, were carried out to evaluate the relative fishing power of the two vessels and to permit comparison of their catches.

In 1969 the otter trawl vessel TONQUIN conducted the surveys from June 26 through September 3. Prior to this time the vessel had been engaged in a similar survey of juvenile halibut in southeastern Bering Sea (Best 1969b). Consequently the detailed catches in the Gulf of Alaska for 1969 listed in Appendix Table 2 begin with Haul No. 67 of the TONQUIN. The

TONQUIN is 104 feet (31.7 m.) 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 ST. MICHAEL in 1968.

The trawl nets used at offshore stations were 71 and 94 feet (21.6 and 29.7 m.) 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 (14.3 and 17.4 m.) 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.

Otoliths from the left or white side of three halibut in each centimeter size group through 64 cm. were collected from each fishing ground for age determination. Age-length keys were constructed from these samples and applied to the catch of halibut under 65 cm. in total length. These fish also provided information on the sex composition of the juvenile halibut in each area.

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.

The sample for the determination of composition of catch was sorted and weighed by species upon completion of the tagging and measuring of the halibut. A haul-by-haul tabulation of this incidental catch is appended to this report. For some hauls the primary demands of tagging and measuring the halibut precluded the detailed tabulation of the associated species. Consequently, only 176 of 191 hauls and 178 of 190 hauls were sorted by species in 1968 and 1969 respectively. The unsorted hauls appear as a zero catch of fish other than halibut in Appendix Tables 1 and 2. This does not necessarily mean no fish were caught but rather that it was impossible to expend the time to enumerate species other than halibut.

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

Results

The total catch by species for the hauls that were sorted in the two years has been standardized to one-hour hauls and is summarized in Table 2 which follows:

Table 2. Summary of total catch of hauls sorted for species composition in the Gulf of Alaska, 1968 and 1969

Species	1968 (176 hauls)*			1969 (178 hauls)*		
	Pounds	Metric tons	Percent of catch	Pounds	Metric tons	Percent of catch
King crab	42,400	19.2	15	31,300	14.2	10
Rock sole	42,300	19.2	15	49,400	22.4	15
Pacific cod	26,400	12.0	9	40,800	18.5	12
Pacific halibut	25,900	11.7	9 (9.12)	18,700	8.5	6 (5.72)
Sculpins (cottidae)	23,100	10.5	8	28,300	12.8	9
Arrowtooth flounder	20,800	9.4	7	27,000	12.2	8
Flathead sole	19,100	8.7	7	20,800	9.4	6
Tanner crab	12,200	5.5	4	21,600	9.8	7
Walleye pollock	11,300	5.1	4	24,400	11.1	7
Starry flounder	10,900	4.9	4	5,800	2.6	2
Skates	9,200	4.2	3	6,600	3.0	2
Yellowfinsole	6,000	2.7	2	18,700	8.5	6
Butter sole	5,100	2.3	2	100	-	-
Rex sole	4,900	2.2	2	5,500	2.5	2
Dungeness crab	4,100	1.9	1	2,000	0.9	1
Sand sole	3,900	1.8	1	13,500	6.1	4
Lingcod	3,400	1.5	1	700	0.3	-
Black cod	2,900	1.3	1	2,300	1.0	1
English sole	2,300	1.0	1	3,800	1.7	1
Scallops	1,600	0.7	1	1,200	0.5)
Dover sole	1,100	0.5)	700	0.3)
Alaska plaice	900	0.4)	1,100	0.5)
Pacific ocean perch	300	0.1)	500	0.2)
All other species	4,000	1.8)	2,300	1.0)

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

The clusters of stations occupied in this survey have been selected for their higher availability of juvenile halibut and are for the most part located in waters of less than 75 fathoms in depth. Due to such selection the proportion of halibut in the total catch can be expected to be higher than for trawl fishing generally in the Gulf of Alaska as a whole. These grounds also produced relatively high catches of other flatfish species and rather low proportions of round fish which are usually more abundant in deeper water.

The number and weight of halibut taken have been summarized by grounds in Tables 3 to 11. Also given are the length frequencies of the halibut caught and the age composition of those below 65 cm. in total length.

A haul-by-haul tabulation of the catches of halibut, other fish, and shellfish is given in Appendix Tables 1 and 2. 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.

All catches tabulated in the Appendix tables have been calculated on the basis of a 60-minute haul; however, the actual time fished is given in the identification heading for each station. Consequently, on account of the calculated character of some of the hauls the halibut catch in Appendix Tables 1 and 2 will not agree with the actual catch of halibut listed in Tables 3 to 11.

Literature Cited

Best, E. A.

- 1969a Recruitment investigations: Trawl catch records Gulf of Alaska, 1967. Int. Pac. Hal. Comm. Tech. Rept. (2): 32 pp., Seattle
- 1969b Recruitment investigations: Trawl catch records Bering Sea, 1968 and 1969. Int. Pac. Hal. Comm. Tech. Rept. (3): 24 pp., Seattle

International Pacific Halibut Commission

- 1964 Catch records of a trawl survey conducted by the International Pacific Halibut Commission between Unimak Pass and Cape Spencer, Alaska from May 1961 to April 1963. Int. Pac. Hal. Comm. Rept. (36): 524 pp., Seattle

Table 3. The number, weight, age composition, and length frequency of halibut taken in Shelikof Bay in 1968 and 1969 (INPFC Area - Southeastern)

<u>Operations</u>	<u>1968</u>	<u>1969</u>
No. of hauls	25	21
Fishing time (hrs.)	6.0	5.3
Depth range (fms.)	14-23 (26-40 m.)	13-33 (24-60 m.)
<u>Halibut</u>		
No. individuals <65 cm.	923	147
No. individuals >64 cm.	12	1
Wt. in lbs. of individuals <65 cm.	1,378 (625 kg.)	82 (37 kg.)
Wt. in lbs. of individuals >64 cm.	94 (43 kg.)	6 (3 kg.)
Total weight halibut	1,472 (668 kg.)	88 (40 kg.)

<u>Age composition of halibut under 65 cm.</u>			<u>Halibut length frequency</u>		
<u>Age</u>	<u>1968</u> <u>No.</u>	<u>1969</u> <u>No.</u>	<u>Cm.</u> <u>Group</u>	<u>1968</u> <u>No.</u>	<u>1969</u> <u>No.</u>
0	26	25	5-9	24	30
1	109	60	10-14	31	3
2	139	21	15-19	110	30
3	72	10	20-24	66	31
4	307	10	25-29	22	18
5	199	19	30-34	19	2
6	34	2	35-39	78	7
7	35	0	40-44	206	12
8	2	0	45-49	203	6
			50-54	117	5
			55-59	31	2
			60-64	16	1
Total	923	147	65-69	6	1
			70-74	4	0
			75-79	1	0
			80-84	1	0
			Total	935	148

Table 4. The number, weight, age composition, and length frequency of halibut taken in Icy Strait in 1968 (INPFC Area - Southeastern)

<u>Operations</u>	<u>1968</u>
No. of hauls	3
Fishing time (hrs.)	0.8
Depth range (fms.)	22-25 (40-46 m.)
<u>Halibut</u>	
No. individuals <65 cm.	70
No. individuals >64 cm.	5
Wt. in lbs. of individuals <65 cm.	161 (73 kg.)
Wt. in lbs. of individuals >64 cm.	34 (15 kg.)
Total weight halibut	195 (88 kg.)

Age composition of halibut under 65 cm.

Halibut length frequency

<u>1968</u>		<u>1968</u>	
<u>Age</u>	<u>No.</u>	<u>Cm. Group</u>	<u>No.</u>
2	1	25-29	2
3	5	30-34	4
4	13	35-39	11
5	22	40-44	13
6	15	45-49	16
7	2	50-54	9
8	9	55-59	7
9	3	60-64	8
	—	65-69	3
Total	70	70-74	2
		—	
		Total	75

Table 5. The number, weight, age composition, and length frequency of halibut taken at Kayak Island (INPFC Area - Yakutat)

<u>Operations</u>	<u>1968</u>	<u>1969</u>
No. of hauls	10	10
Fishing time (hrs.)	2.5	2.5
Depth range (fms)	14-40 (26-73 m.)	12-30 (22-55 m.)
<u>Halibut</u>		
No. individuals <65 cm.	305	1100
No. individuals >64 cm.	7	11
Wt. in lbs. of individuals <65 cm.	128 (58 kg.)	502 (228 kg.)
Wt. in lbs. of individuals >64 cm.	62 (28 kg.)	89 (40 kg.)
Total weight halibut	190 (86 kg.)	591 (268 kg.)

Age composition of halibut under 65 cm.

	<u>1968</u>	<u>1969</u>
<u>Age</u>	<u>No.</u>	<u>No.</u>
0	28	3
1	23	599
2	95	235
3	141	139
4	9	48
5	6	40
6	2	27
7	1	3
8	0	6
Total	305	1,100

Halibut length frequency

	<u>1968</u>	<u>1969</u>
<u>Cm. Group</u>	<u>No.</u>	<u>No.</u>
5-9	12	6
10-14	16	364
15-19	48	261
20-24	65	37
25-29	84	84
30-34	52	156
35-39	9	71
40-44	6	67
45-49	6	18
50-54	4	13
55-59	2	12
60-64	1	11
65-69	3	6
70-74	0	2
75-79	3	2
80-84	1	1
Total	312	1,111

Table 6. The number, weight, age composition, and length frequency of halibut taken at Alitak (INPFC Area - Chirikof)

<u>Operations</u>	<u>1968</u>	<u>1969</u>
No. of hauls	20	12
Fishing time (hrs.)	4.9	3.0
Depth range (fms.)	8-26 (15-48 m.)	5-21 (9-38 m.)
<u>Halibut</u>		
No. individuals <65 cm.	1,423	3,138
No. individuals >64 cm.	6	7
Wt. in lbs. of individuals <65 cm.	238 (108 kg.)	208 (94 kg.)
Wt. in lbs. of individuals >64 cm.	97 (44 kg.)	57 (26 kg.)
Total weight halibut	335 (152 kg.)	265 (120 kg.)

Age composition of halibut under 65 cm.

	<u>1968</u>	<u>1969</u>
<u>Age</u>	<u>No.</u>	<u>No.</u>
1	587	2,654
2	784	456
3	29	19
4	18	2
5	4	4
6	1	3
Total	<u>1,423</u>	<u>3,138</u>

Halibut length frequency

	<u>1968</u>	<u>1969</u>
<u>Cm. Group</u>	<u>No.</u>	<u>No.</u>
5-9	2	167
10-14	401	2,461
15-19	316	48
20-24	525	257
25-29	133	175
30-34	17	16
35-39	9	5
40-44	11	2
45-49	3	2
50-54	2	1
55-59	3	2
60-64	1	2
65-69	0	3
70-74	1	3
75-79	0	0
80-84	1	1
85-89	2	0
90-94	1	0
95-99	0	0
100-104	1	0
Total	<u>1,429</u>	<u>3,145</u>

Table 7. The number, weight, age composition, and length frequency of halibut taken off Unimak Island (INPFC Area - Shumagin)

<u>Operations</u>	<u>1968</u>	<u>1969</u>
No. of hauls	9	10
Fishing time (hrs.)	2.3	2.5
Depth range (fms.)	10-19 (18-35 m.)	9-20 (16-37 m.)
<u>Halibut</u>		
No. individuals <65 cm.	1,276	754
No. individuals >64 cm.	0	1
Wt. in lbs. of individuals <65 cm.	205 (93 kg.)	142 (64 kg.)
Wt. in lbs. of individuals >64 cm.	0	38 (17 kg.)
Total weight halibut	205 (93 kg.)	180 (81 kg.)

Age composition of halibut under 65 cm.

	<u>1968</u>	<u>1969</u>
<u>Age</u>	<u>No.</u>	<u>No.</u>
1	782	165
2	386	508
3	90	66
4	11	14
5	4	1
6	3	0
Total	1,276	754

Halibut length frequency

	<u>1968</u>	<u>1969</u>
<u>Cm. Group</u>	<u>No.</u>	<u>No.</u>
5-9	24	0
10-14	697	165
15-19	64	105
20-24	297	368
25-29	93	59
30-34	67	41
35-39	17	12
40-44	6	2
45-49	4	1
50-54	5	0
55-59	2	1
115-119	0	1
Total	1,276	755

Table 8. The number, weight, age composition, and length frequency of halibut taken at Cape St. Elias (INPFC Area - Yakutat)

<u>Operations</u>		<u>1968</u>	<u>1969</u>
No. of hauls		33	43
Fishing time (hrs.)		31.2	39.5
Depth range (fms.)		34-124 (62-227 m.)	11-84 (20-154 m.)
<u>Halibut</u>			
No. individuals <65 cm.		501	732
No. individuals >64 cm.		142	171
Wt. in lbs. of individuals <65 cm.		1,304 (591 kg.)	1,731 (785 kg.)
Wt. in lbs. of individuals >64 cm.		1,776 (806 kg.)	2,239 (1,016 kg.)
Total weight halibut		3,080 (1,397 kg.)	3,970 (1,801 kg.)

<u>Age composition of halibut under 65 cm.</u>			<u>Halibut length frequency</u>		
	<u>1968</u>	<u>1969</u>		<u>1968</u>	<u>1969</u>
<u>Age</u>	<u>No.</u>	<u>No.</u>	<u>Cm. Group</u>	<u>No.</u>	<u>No.</u>
1	0	2	20-24	1	2
			25-29	9	3
2	12	30	30-34	30	22
			35-39	40	118
3	38	232	40-44	92	157
			45-49	95	147
4	95	131	50-54	84	116
			55-59	87	107
5	176	203	60-64	63	60
			65-69	38	56
6	105	101	70-74	26	41
			75-79	26	20
7	50	21	80-84	21	12
			85-89	9	11
8	21	12	90-94	5	6
			95-99	2	5
9	0	0	100-104	4	6
			105-109	5	1
10	4	0	110-114	2	3
			115-119	2	5
			120-124	1	1
			125-129	1	1
Total	501	732			
			130-134	0	2
			135-139	0	1
			<u>Total</u>	<u>643</u>	<u>903</u>

Table 9. The number, weight, age composition, and length frequency of halibut taken at Cape Chiniak (INPFC Area - Kodiak)

<u>Operations</u>		<u>1968</u>	<u>1969</u>
No. of hauls		41	26
Fishing time (hrs.)		37.7	18.6
Depth range (fms.)		28-91 (51-166 m.)	29-94 (53-172 m.)
<u>Halibut</u>			
No. individuals <65 cm.		1,690	510
No. individuals >64 cm.		250	102
Wt. in lbs. of individuals <65 cm.		3,401 (1,543 kg.)	885 (401 kg.)
Wt. in lbs. of individuals >64 cm.		3,282 (1,489 kg.)	1,853 (841 kg.)
Total weight halibut		6,683 (3,032 kg.)	2,738 (1,242 kg.)
<u>Age composition of halibut under 65 cm.</u>		<u>Halibut length frequency</u>	
	<u>1968</u>	<u>1969</u>	
<u>Age</u>	<u>No.</u>	<u>No.</u>	<u>Cm. Group</u>
2	85	6	20-24
			25-29
3	197	210	30-34
			35-39
4	752	64	40-44
			45-49
5	351	153	50-54
			55-59
6	207	61	60-64
			65-69
7	86	13	70-74
			75-79
8	12	3	80-84
			85-89
			90-94
			95-99
			100-104
Total	1,690	510	105-109
			110-114
			115-119
			120-124
			125-129
			130-134
			135-139
			140-144
			145-149
			150-154
			155-159
			220-224
			Total
			1,940
			612

Table 10. The number, weight, age composition, and length frequency of halibut taken at Chirikof Island (INPFC Area - Chirikof)

<u>Operations</u>	<u>1968</u>	<u>1969</u>
No. of hauls	39	36
Fishing time (hrs.)	31.2	29.9
Depth range (fms.)	13-54 (24-99 m.)	16-57 (29-104 m.)
<u>Halibut</u>		
No. individuals <65 cm.	2,944	2,845
No. individuals >64 cm.	216	136
Wt. in lbs. of individuals <65 cm.	2,909 (1,320 kg.)	2,601 (1,180 kg.)
Wt. in lbs. of individuals >64 cm.	3,080 (1,397 kg.)	1,712 (777 kg.)
Total weight halibut	5,989 (2,717 kg.)	4,313 (1,957 kg.)

<u>Age composition of halibut under 65 cm.</u>			<u>Halibut length frequency</u>		
	<u>1968</u>	<u>1969</u>		<u>1968</u>	<u>1969</u>
<u>Age</u>	<u>No.</u>	<u>No.</u>	<u>Cm. Group</u>	<u>No.</u>	<u>No.</u>
1	92	10	10-14	58	10
			15-19	46	13
2	1,452	570	20-24	911	457
			25-29	484	748
3	383	1,267	30-34	318	666
			35-39	372	349
4	552	413	40-44	229	169
			45-49	183	193
5	187	311	50-54	137	106
			55-59	130	87
6	184	182	60-64	76	47
			65-69	62	32
7	89	85	70-74	35	26
			75-79	24	24
8	5	7	80-84	25	17
			85-89	12	13
			90-94	14	8
			95-99	15	5
			100-104	10	4
Total	2,944	2,845	105-109	4	2
			110-114	8	3
			115-119	2	0
			120-124	3	1
			125-129	0	0
			130-134	1	1
			155-159	1	0
			Total	3,160	2,981

Table 11. The number, weight, age composition, and length frequency of halibut taken off Unimak Island (INPFC Area - Shumagin)

<u>Operations</u>	<u>1968</u>	<u>1969</u>
No. of hauls	5	28
Fishing time (hrs.)	4.2	21.3
Depth range (fms.)	50-60 (91-110 m.)	37-61 (68-112 m.)
<u>Halibut</u>		
No. individuals <65 cm.	113	684
No. individuals >64 cm.	3	42
Wt. in lbs. of individuals <65 cm.	136 (62 kg.)	856 (388 kg.)
Wt. in lbs. of individuals >64 cm.	28 (13 kg.)	973 (441 kg.)
Total weight halibut	164 (75 kg.)	1,829 (829 kg.)

Age composition of halibut under 65 cm.

<u>Age composition of halibut under 65 cm.</u>			<u>Halibut length frequency</u>					
	<u>1968</u>	<u>1969</u>		<u>1968</u>	<u>1969</u>		<u>1968</u>	<u>1969</u>
<u>Age</u>	<u>No.</u>	<u>No.</u>	<u>Cm. Group</u>	<u>No.</u>	<u>No.</u>	<u>Cm. Group</u>	<u>No.</u>	<u>No.</u>
2	3	112	15-19	0	2	135-139	0	0
			20-24	1	61	140-144	0	1
3	38	231	25-29	5	110	145-149	0	1
			30-34	28	133	150-154	0	1
4	42	157				155-159	0	1
			35-39	33	153			
			40-44	24	78	160-164	0	0
5	19	80	45-49	19	46	165-169	0	0
			50-54	2	50	170-174	0	0
6	11	85	55-59	1	30	175-179	0	1
			60-64	0	21			
7	0	13	65-69	2	8	Total	116	726
			70-74	0	9			
8	0	6	75-79	0	6			
			80-84	0	5			
Total	113	684	85-89	1	2			
			90-94	0	1			
			95-99	0	3			
			100-104	0	1			
			105-109	0	1			
			110-114	0	0			
			115-119	0	1			
			120-124	0	0			
			125-129	0	0			
			130-134	0	0			

GLOSSARY OF TERMS

HAUL NO.	= Sequence of hauls beginning with No. 1
STATION	= Identification of station within predetermined 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 codend 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, in pounds, of halibut less than 65 cm.
WT.GTR 64	= Weight, in pounds, of halibut greater than 64 cm.
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 RDFS	= All other round fishes caught.
TOT. RDFS	= 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>Chionectes</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 1. 1968 Catch Records

HAUL NO. STATION	S001 3	S002 2	S003 4	S004 1	S005 5	S006 3
MO DA YR	070168	070168	070168	070168	070168	070268
W. LONG.	135 49	135 49	135 49	135 49	135 49	135 49
N. LAT.	57 08	57 08	57 08	57 08	57 08	57 08
VESSEL	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH
DURATION	13	14	14	15	15	15
DEPTH MAX.	014	014	016	021	022	014
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	309.2	167.1	368.6	200.0	232.0	324.0
NO. GTR 64	0.	4.3	0.	0.	8.0	4.0
WT. LESS 65	332.1	105.1	582.1	330.9	548.1	416.3
WT. GTR 64	0.	48.3	0.	0.	56.9	36.5
TOTAL WT.	332.1	153.4	582.1	330.9	605.0	452.7
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	0.	0.
ROCK	46.2	50.6	167.1	260.0	800.0	40.0
REX	0.	0.	0.	0.	0.	0.
BUTTER	9.7	53.6	32.1	23.2	12.8	8.4
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	4.0	0.	0.
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	5.5	0.	0.	0.	0.	4.8
PETRALE	3.7	2.1	0.	0.	0.	3.2
MISC FTFSH	0.	0.	0.	0.	0.	0.8
TOT. FTFSH	65.1	100.3	199.3	287.2	812.8	57.2
ROUND FISH						
LING COD	46.2	167.1	381.4	320.0	288.0	84.0
TRUE COD	0.	0.	0.	0.	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	0.	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 RDFS	0.	1.3	2.1	0.4	0.	0.
TOT. RDFS	46.2	168.4	383.6	320.4	288.0	84.0
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	0.	0.	0.	0.	0.	0.
DUNGEN CRB	0.	6.4	6.4	10.0	8.0	7.6
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	0.	6.4	6.4	10.0	8.0	7.6
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	443.3	434.5	1171.4	948.5	1713.8	601.5

HAUL NO. STATION	S007 2	S008 4	S009 1	S010 5	S011 54L	S012 55L
MO DA YR	070268	070268	070268	070268	070568	070568
W. LONG.	135 49	135 49	135 49	135 49	151 45	151 30
N. LAT.	57 08	57 08	57 08	57 08	57 57	58 00
VESSEL	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH
DURATION	15	15	13	16	60	60
DEPTH MAX.	014	016	021	022	050	052
NET MESH	1 1/4	1 1/4	1 1/4	1 1/4	3 1/2	3 1/2
CATCH						
HALIBUT						
NO. LESS 65	80.0	336.0	156.9	371.2	58.0	58.0
NO. GTR 64	12.0	0.	4.6	3.7	3.0	1.0
WT. LESS 65	62.8	467.9	278.0	897.8	71.8	77.2
WT. GTR 64	113.7	0.	29.0	22.5	30.7	6.3
TOTAL WT.	176.6	467.9	307.0	920.2	102.5	83.5
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	17.0	62.7
ROCK	0.	0.	23.1	562.5	3.0	12.0
REX	0.	0.	0.	0.	212.5	10.0
BUTTER	40.0	0.	23.1	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	23.1	40.9
ENGLISH	0.	8.8	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	14.4	15.7
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	40.0	0.	0.	0.	0.	76.3
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	80.0	8.8	46.2	562.5	270.0	217.7
ROUND FISH						
LING COD	388.0	0.	530.8	93.7	0.	0.
TRUE COD	0.	0.	0.	0.	5.4	117.6
BLACK COD	0.	0.	0.	0.	4.2	0.
POLLACK	0.	0.	0.	0.	3.6	11.8
COTTIDS	0.	0.	0.	0.	37.3	509.3
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	0.	0.	0.	0.	9.9	0.
TOT. RDFS	388.0	0.	530.6	93.7	60.4	638.7
SHELL FISH						
KING CRB	0.	0.	0.	0.	5.0	5.0
TANNER CRB	0.	0.	0.	0.	11.0	43.1
DUNGEN CRB	4.8	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.3	50.0
SCALLOP	0.	0.	0.	0.	400.0	250.0
TOT. SHFSH	4.8	0.	0.	0.	416.3	348.1
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	649.4	476.7	884.0	1576.5	849.2	1287.9

HAUL NO. STATION	S013 56L	S014 57J	S015 57I	S016 57H	S017 57G	S018 56I
MO DA YR	070668	070668	070668	070668	070768	070768
W. LONG.	151 15	151 00	151 00	151 00	151 00	151 15
N. LAT.	58 03	58 12	58 18	58 24	58 30	58 21
VESSEL	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH
DURATION	64	57	55	61	61	62
DEPTH MAX.	045	082	064	043	045	061
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	79.7	0.	0.	15.7	236.1	2.9
NO.GTR 64	6.6	2.1	0.	1.0	22.6	2.9
WT.LESS 65	132.0	0.	0.	22.1	502.7	8.5
WT.GTR 64	62.4	37.2	0.	6.8	211.3	21.6
TOTAL WT.	194.5	37.2	0.	28.9	714.0	30.2
SOLE+FLFSH						
FLATHEAD	18.7	0.	3.5	0.	0.	230.1
ROCK	46.2	0.	0.	2020.0	2478.7	15.5
REX	1.6	0.	0.2	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	15.5
TURBOT	42.7	149.8	1.6	8.9	82.6	15.3
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	31.7	72.0	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	141.0	221.8	5.3	2028.9	2561.3	276.4
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	7.5	25.1	0.	106.2	454.4	123.9
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	1.6	0.	0.	0.	0.	0.
COTTIDS	62.1	269.6	0.	614.7	452.5	1072.4
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	3.1	239.5	0.4	0.	0.	38.7
TOT. RDFS	74.4	534.1	0.4	720.9	906.9	1235.0
SHELL FISH						
KING CRB	0.	0.	27.3	949.2	123.0	67.7
TANNER CRB	43.6	65.9	3.3	0.	0.	421.2
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	1.9
SCALLOP	187.5	0.	0.	0.	34.4	0.
TOT. SHFSH	231.1	65.9	30.5	949.2	157.4	490.9
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	640.9	858.9	36.3	3727.8	4339.5	2032.4

HAUL NO. STATION	S019 56K	S020 54K	S021 55K	S022 56M	S023 55M	S024 54M
MO DA YR	070768	070968	070968	070968	070968	070968
W. LONG.	151 15	151 45	151 30	151 15	151 30	151 45
N. LAT.	58 09	58 03	58 06	57 57	57 54	57 51
VESSEL	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH
DURATION	60	62	61	60	60	60
DEPTH MAX.	081	091	083	046	039	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	6.0	9.7	19.7	3.0	26.0	131.0
NO.GTR 64	1.0	6.8	11.8	1.0	6.0	10.0
WT.LESS 65	22.8	38.7	80.6	4.5	43.3	253.3
WT.GTR 64	10.4	60.8	118.5	8.0	82.2	101.0
TOTAL WT.	33.2	99.5	199.1	12.4	125.5	354.3
SOLE+FLFSH						
FLATHEAD	316.1	1023.8	640.8	26.0	18.5	0.
ROCK	0.	0.	0.	0.	336.8	34.8
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	435.0
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	307.4	698.6	1296.4	103.7	37.0	139.2
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	623.4	1722.3	1937.2	129.7	392.3	609.0
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	99.0	580.6	0.	1.5	112.0	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	90.3	144.6	30.3	217.8	142.2	0.
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	48.4	0.	0.	0.	0.
ROCKFISH	2.0	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFS	0.	0.	0.	41.6	6.4	0.
TOT. RDFS	191.3	773.6	30.3	260.9	260.6	0.
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	0.	819.0	0.	0.	14.9	870.3
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	0.	819.0	0.	0.0	14.9	870.3
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	4.8	0.	25.0	0.	0.
TOT. CATCH	847.9	3419.2	2166.7	428.1	793.4	1833.6

HAUL NO. STATION	S025 52N	S026 54N	S027 540	S028 550	S029 56N	S030 560
MO DA YR	071068	071068	071068	071068	071168	071168
W. LONG.	151 30	151 45	151 45	151 30	151 15	151 15
N. LAT.	57 48	57 45	57 39	57 42	57 51	57 45
VESSEL	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH
DURATION	45	60	60	60	11	60
DEPTH MAX.	000	028	039	036	036	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	2.7	141.0	130.0	11.0	5.5	36.0
NO.GTR 64	0.	11.0	18.0	1.0	0.	4.0
WT.LESS 65	5.6	224.4	325.2	21.1	4.4	59.7
WT.GTR 64	0.	147.2	182.6	9.9	0.	405.6
TOTAL WT.	5.6	371.6	507.8	31.0	4.4	465.3
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	0.	0.
ROCK	0.	1600.5	1293.3	478.8	0.	1578.5
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	202.5	34.8	0.	166.0
STR FLDR	0.	134.0	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	0.	253.5	635.6	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	0.	1987.9	2131.4	513.6	0.	1744.5
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	0.	0.	132.8
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	0.	0.	56.5	875.5	0.	182.6
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	0.	0.	0.	0.	0.	0.
TOT. RDFS	0.	0.	56.5	875.5	0.	315.4
SHELL FISH						
KING CRB	0.	435.5	485.9	0.	0.	0.
TANNER CRB	0.	0.	0.	0.	0.	0.
DUNGEN CRB	0.	214.4	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	0.	649.9	485.9	5.0	0.	0.
OCPS + SQD	0.	0.	0.	5.0	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	5.6	3009.4	3181.6	1425.1	4.4	2525.2

HAUL NO. STATION	S031 56P	S032 56Q	S033 56R	S034 55S	S035 55T	S036 53P
MO DA YR	071168	071168	071168		071268	071268
W. LONG.	151 15	151 15	151 15		151 30	152 00
N. LAT.	57 39	57 33	57 27		57 12	57 00
VESSEL	S-MICH	S-MICH	S-MICH		S-MICH	S-MICH
DURATION	60	34	59	0	10	66
DEPTH MAX.	037	039	045		056	044
NET MESH	3 1/2	3 1/2	3 1/2		3 1/2	3 1/2
CATCH				N TRWL		
HALIBUT						
NO.LESS 65	46.0	38.8	11.2	0.	0.	4.5
NO.GTR 64	5.0	1.8	4.1	0.	0.	4.5
WT.LESS 65	60.9	41.3	17.6	0.	0.	13.0
WT.GTR 64	92.5	47.0	94.8	0.	0.	69.6
TOTAL WT.	153.4	88.3	112.4	0.	0.	82.6
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	0.	0.
ROCK	942.8	559.1	1599.7	0.	117.0	2676.7
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	23.6	28.2	17.3	0.	63.0	369.1
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	966.4	587.3	1617.0	0.	180.0	3045.8
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	70.8	0.	138.3	0.	132.0	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	294.4	0.	0.	0.	0.	0.
COTTIDS	0.	83.6	475.4	0.	78.0	73.9
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	3.0	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFS	47.2	0.	0.	0.	117.0	442.9
TOT. RDFS	412.4	83.6	613.7	0.	330.0	516.8
SHELL FISH						
KING CRB	0.	367.1	0.	0.	0.	95.5
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.	367.1	0.	0.	0.	95.5
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	1532.1	1126.3	2343.1	0.	510.0	3740.6

HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	S037 525 071268 152 15 56 51 S-MICH 60 044 3 1/2	S038 520 071268 152 15 57 03 S-MICH 60 043 3 1/2	S039 530 071268 152 00 57 06 S-MICH 60 044 3 1/2	S040 53M 071368 152 00 57 18 S-MICH 60 045 3 1/2	S041 520 071368 152 15 57 15 S-MICH 63 044 3 1/2	S042 53K 071368 152 00 57 30 S-MICH 54 047 3 1/2
HALIBUT NO. LESS 65 NO. GTR 64 WT. LESS 65 WT. GTR 64 TOTAL WT.	25.0 1.0 30.1 25.8 55.9	37.0 2.0 34.4 77.1 111.5	10.0 2.0 15.9 61.3 77.2	9.0 7.0 22.3 76.4 98.7	9.5 2.9 18.6 33.1 51.8	13.3 3.3 21.9 60.4 82.3
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. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	0. 824.8 0. 0. 0. 0. 0. 0. 125.8 0. 0. 0. 0. 0. 950.6	909.0 1545.3 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 2454.3	30.0 297.2 0. 0. 0. 0. 0. 12.4 124.0 0. 0. 0. 0. 0. 463.6	185.8 590.9 0. 0. 0. 0. 0. 92.7 0. 0. 0. 0. 0. 0. 869.4	25.0 1000.0 0. 0. 0. 0. 0. 66.7 0. 0. 0. 0. 0. 0. 1091.7
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. 0. 0. 0.	0. 16.5 0. 0. 0. 361.1 0. 0. 0. 0. 1100.2 1477.8	0. 1908.9 0. 0. 0. 1635.7 0. 0. 0. 0. 0. 3544.6	0. 89.9 0. 0. 0. 6.2 0. 0. 0. 0. 0. 96.1	0. 1097.8 0. 0. 0. 295.4 0. 0. 0. 0. 0. 1393.2	0. 83.3 0. 0. 0. 416.7 0. 0. 0. 0. 0. 500.0
SHELL FISH KING CRB TANNER CRB DUNGEN CRB SHRIMP SCALLOP TOT. SHFSH	0. 0. 0. 0. 0. 0.	858.0 23.5 0. 0. 0. 881.5	1884.0 95.0 0. 0. 0. 1979.0	148.5 24.8 0. 0. 0. 173.3	442.9 0. 0. 0. 0. 442.9	0. 0. 0. 0. 0. 0.
OCPS + SQD ELASMOBRCH TOT. CATCH	0. 0. 55.9	0. 0. 3421.4	0. 0. 8055.1	0. 0. 831.7	0. 0. 2757.2	0. 0. 1674.0

HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	S043 540 071368 151 45 57 27 S-MICH 60 040 3 1/2	S044 54P 071368 151 45 57 33 S-MICH 60 074 3 1/2	S045 54P 071368 151 45 57 33 S-MICH 60 074 3 1/2	S046 55Q 071468 151 30 57 30 S-MICH 60 068 3 1/2	S047 55P 071468 151 30 57 36 S-MICH 60 038 3 1/2	S048 55Q 071468 151 30 57 30 S-MICH 61 070 3 1/2
HALIBUT NO. LESS 65 NO. GTR 64 WT. LESS 65 WT. GTR 64 TOTAL WT.	13.0 2.0 15.3 54.6 69.8	14.0 11.0 55.4 114.6 170.0	9.0 18.0 39.0 217.2 256.2	37.0 19.0 140.3 216.2 356.4	120.0 10.0 276.4 70.0 346.4	50.2 18.7 197.6 170.9 368.5
SOLE+FLFSH FLATHEAD ROCK REX BUTTER YELLOWFIN ENGLISH DOVER TURBOT STR FLDR ALA PLAICE SAND SOLE PETRALE MISC FTFSH TOT. FTFSH	0. 497.0 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 497.0	754.1 92.0 0. 0. 0. 0. 0. 0. 570.4 0. 0. 0. 0. 0. 1416.5	754.1 92.0 0. 0. 0. 0. 0. 0. 570.4 0. 0. 0. 0. 0. 1416.5	1702.6 0. 0. 0. 0. 0. 0. 0. 419.0 0. 0. 0. 0. 0. 2121.6	0. 2262.9 0. 257.0 0. 0. 0. 0. 257.0 0. 0. 307.8 0. 0. 3084.7	930.3 0. 0. 0. 0. 0. 0. 0. 228.7 0. 0. 0. 0. 0. 1159.0
ROUND FISH LING COD TRUE COD BLACK COD POLLACK COTTIDS IDIOTS OC. PERCH ROCKFISH GRENADIER MISC RDFS TOT. RDFS	0. 304.3 0. 0. 0. 88.5 0. 0. 0. 0. 5.5 398.4	0. 0. 0. 0. 0. 919.4 0. 0. 0. 0. 55.2 974.6	0. 0. 0. 0. 0. 919.4 0. 0. 0. 0. 55.2 974.6	0. 0. 0. 0. 0. 1865.5 0. 0. 0. 0. 13.5 1879.0	0. 0. 0. 0. 0. 171.5 0. 0. 0. 0. 0. 171.5	0. 0. 0. 0. 0. 1019.3 0. 0. 0. 0. 7.4 1026.6
SHELL FISH KING CRB TANNER CRB DUNGEN CRB SHRIMP SCALLOP TOT. SHFSH	75.0 0. 0. 0. 0. 0. 75.0	70.0 28.0 0. 0. 0. 0. 98.0	0. 0. 0. 0. 0. 0. 0.	0. 513.7 0. 0. 0. 0. 513.7	0. 34.3 0. 0. 0. 0. 34.3	0. 280.7 0. 0. 0. 0. 280.7
OCPS + SQD ELASMOBRCH TOT. CATCH	0. 0. 1040.2	0. 0. 2659.1	0. 0. 2647.4	0. 0. 4870.7	0. 0. 3636.9	0. 0. 2834.7

HAUL NO. STATION	S049 55P	S050 54N	S051 54N	S052 400	S053 40P	S054 40Q
MO DA YR	071468	071468	071468	071968	071968	071968
W. LONG.	151 30	151 45	151 45	155 15	155 15	155 15
N. LAT.	57 36	57 45	57 45	56 21	56 15	56 09
VESSEL	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH
DURATION	60	60	55	60	45	15
DEPTH MAX.	038	032	032	022	022	018
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	143.0	73.0	72.0	558.0	94.7	28.0
NO.GTR 64	14.0	7.0	6.5	4.0	4.0	0.
WT.LESS 65	299.3	114.3	89.5	148.2	38.1	16.4
WT.GTR 64	142.4	102.3	56.7	33.7	60.8	0.
TOTAL WT.	441.7	216.6	146.2	181.9	99.0	16.4
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	0.	0.
ROCK	2262.9	2319.6	1808.7	0.	0.	0.
REX	0.	0.	0.	0.	0.	0.
BUTTER	257.0	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	257.0	0.	0.	0.	0.	0.
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	171.0	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	2947.9	2319.6	1808.7	0.	0.	0.
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	0.	30.7	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	171.5	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 RDFS	0.	0.	0.	0.	0.	0.
TOT. RDFS	171.5	0.	0.	0.	30.7	0.
SHELL FISH						
KING CRB	0.	650.0	0.	0.	0.	0.
TANNER CRB	34.3	20.0	0.	0.	0.	0.
DUNGEN CRB	0.	0.	0.	158.4	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	12.9	11.3	0.	0.	0.
TOT. SHFSH	34.3	682.9	11.3	158.4	0.	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	3595.4	3219.1	1966.2	340.3	129.6	16.4

HAUL NO. STATION	S055 40R	S056 40S	S057 40T	S058 39Q	S059 39P	S060 39O
MO DA YR	071968	072068	072068	072068	072068	072068
W. LONG.	155 15	155 15	155 15	155 30	155 30	155 30
N. LAT.	56 03	55 57	55 51	56 06	56 12	56 18
VESSEL	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH
DURATION	40	32	20	29	60	60
DEPTH MAX.	022	031	038	026	030	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	42.0	20.6	111.0	20.7	19.0	30.0
NO.GTR 64	1.5	1.9	0.	6.2	2.0	7.0
WT.LESS 65	87.0	8.4	53.1	22.1	21.9	33.6
WT.GTR 64	19.8	71.3	0.	121.9	21.1	154.9
TOTAL WT.	106.8	79.7	53.1	143.9	43.0	188.5
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	0.	0.
ROCK	0.	0.	0.	0.	0.	347.3
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	123.2
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	0.	0.	0.	0.	0.	70.0
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	0.	0.	0.	0.	0.	540.5
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	0.	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	21.6	3.0	0.	0.	0.	488.2
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 RDFS	0.	0.	0.	0.	0.	7.0
TOT. RDFS	21.6	3.0	0.	0.	0.	495.2
SHELL FISH						
KING CRB	526.7	93.7	9045.0	2586.2	0.	660.0
TANNER CRB	0.	0.	0.	0.	0.	175.0
DUNGEN CRB	0.	0.	864.0	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	526.7	93.7	9909.0	2586.2	0.	835.0
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	655.1	176.5	9962.1	2730.1	43.0	2059.2

HAUL NO.	S061	S062	S063	S064	S065	S066
STATION	39N	39M	38M	38N	37U	37P
MO DA YR	072168	072168	072168	072168	072368	072368
W. LONG.	155 30	155 30	155 45	155 45	156 00	156 00
N. LAT.	56 24	56 30	56 15	56 09	55 54	56 00
VESSEL	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH
DURATION	60	60	60	28	60	60
DEPTH MAX.	038	038	040	037	041	042
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	29.0	12.0	66.0	23.6	73.0	32.0
NO. GTR 64	8.0	5.0	4.0	0.	3.0	7.0
WT. LESS 65	58.1	23.3	127.7	11.1	89.0	54.4
WT. GTR 64	142.3	119.6	166.0	0.	29.3	109.0
TOTAL WT.	200.4	142.9	293.8	11.1	118.3	163.4
SOLE+FLFSH						
FLATHEAD	14.0	66.0	0.	0.	0.	0.
ROCK	548.4	467.2	0.	36.4	295.0	307.3
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	231.0	0.	0.	0.	14.4
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	134.6	49.5	0.	2.1	0.	16.0
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	484.0	0.	0.	0.	0.
SAND SOLE	267.1	99.0	0.	8.6	0.	48.6
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	964.1	1396.7	0.	47.1	295.0	386.3
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	4.3	708.0	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	252.0	577.5	0.	26.8	0.	137.3
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	0.	0.	0.	0.	0.	0.
TOT. RDFS	252.0	577.5	0.	31.1	708.0	137.3
SHELL FISH						
KING CRB	370.0	0.	0.	321.4	249.0	100.0
TANNER CRB	81.2	27.5	0.	4.3	24.0	65.3
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	6.0	19.2	12.8
TOT. SHFSH	451.2	27.5	0.	331.7	292.2	178.1
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	1867.7	2144.6	293.8	421.0	1413.5	865.1

HAUL NO.	S067	S068	S069	S070	S071	S072
STATION	370	380	38P	38P	40P	40Q
MO DA YR	072368	072368		072668	072668	072668
W. LONG.	156 00	155 45		155 45	155 15	155 15
N. LAT.	56 06	56 03		55 57	56 15	56 09
VESSEL	S-MICH	S-MICH		S-MICH	S-MICH	S-MICH
DURATION	40	60	0	20	60	56
DEPTH MAX.	037	034		032	022	025
NET MESH	3 1/2	3 1/2		3 1/2	3 1/2	3 1/2
CATCH						
HALIBUT			N TRWL			
NO. LESS 65	18.0	35.0	0.	129.0	16.0	28.9
NO. GTR 64	1.5	6.0	0.	9.0	0.	10.7
WT. LESS 65	18.9	30.8	0.	151.6	8.1	45.1
WT. GTR 64	12.5	147.5	0.	135.9	0.	84.9
TOTAL WT.	31.4	178.4	0.	287.5	8.1	130.1
SOLE+FLFSH						
FLATHEAD	0.4	0.	0.	0.	0.	0.
ROCK	75.0	9.0	0.	210.9	1.2	294.6
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	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.	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	75.4	9.0	0.	210.9	1.2	294.6
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	9.9	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	15.0	16.0	0.	108.0	0.	4.9
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	4.5	0.	0.	0.	0.	0.
TOT. RDFS	19.5	16.0	0.	117.9	0.	4.9
SHELL FISH						
KING CRB	180.0	1310.0	0.	660.0	75.0	608.6
TANNER CRB	4.5	0.	0.	0.	0.	0.
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	4.5	0.	0.	0.	0.	0.
TOT. SHFSH	189.0	1310.0	0.	660.0	75.0	608.6
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	315.4	13313.4	0.	1276.4	84.3	1038.1

HAUL NO.	S073	S074	S075	S076	S077	S078
STATION	41S	41R	40N	40N	43G	43H
MO DA YR	072768	072768	072768	072768	072968	072968
W. LONG.	155 00	155 00	155 15	155 15	154 30	154 30
N. LAT.	56 06	56 12	56 27	56 27	56 48	56 42
VESSEL	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH
DURATION	61	60	60	60	60	60
DEPTH MAX.	054	018	027	027	037	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.	1.0	327.0	321.0	76.0	41.0
NO.GTR 64	1.0	0.	5.0	6.0	18.0	1.0
WT.LESS 65	0.	1.6	119.6	160.2	169.9	18.5
WT.GTR 64	31.4	0.	58.4	60.2	212.8	8.0
TOTAL WT.	31.4	1.6	178.0	220.4	382.7	26.4
SOLE+FLFSH						
FLATHEAD	0.	0.8	0.	0.	24.0	7.2
ROCK	143.6	0.	0.	0.	33.9	45.1
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	53.9	5.0	0.	0.	4.8	7.2
STR FLDR	0.	0.	10.0	10.0	0.	486.9
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	35.9	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	233.4	5.8	10.0	10.0	62.7	546.4
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	0.	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	718.3	6.5	0.	0.	773.3	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	0.	0.	1.6	1.6	57.6	2.4
TOT. RDFS	718.3	6.5	1.6	1.6	830.9	2.4
SHELL FISH						
KING CRB	201.6	7.0	0.	0.	886.5	320.0
TANNER CRB	63.9	15.0	8.0	8.0	265.8	0.
DUNGEN CRB	179.5	0.	0.	0.	0.	90.0
SHRIMP	0.	0.	0.	0.	29.0	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	445.1	22.0	8.0	8.0	1181.3	410.0
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	40.0	40.0	0.	0.
TOT. CATCH	1428.2	35.9	237.6	280.0	2457.7	985.2

HAUL NO.	S079	S080	S081	S082	S083	S084
STATION	43G	43H	41K	41L	41M	40L
MO DA YR	072968	072968	073068	073068	073068	073068
W. LONG.	154 30	154 30	155 00	155 00	155 00	155 15
N. LAT.	56 48	56 42	56 54	56 48	56 42	56 39
VESSEL	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH
DURATION	55	60	60	57	26	13
DEPTH MAX.	038	014	052	047	000	042
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	66.5	12.0	43.0	12.6	13.8	4.6
NO.GTR 64	17.5	4.0	22.0	11.6	2.3	4.6
WT.LESS 65	150.2	7.6	165.3	30.4	22.8	13.4
WT.GTR 64	245.4	79.7	221.5	255.9	34.2	126.7
TOTAL WT.	395.6	87.2	386.8	286.3	57.0	140.2
SOLE+FLFSH						
FLATHEAD	0.	0.	966.5	1180.7	10.4	220.5
ROCK	0.	0.	0.	0.	0.	14.8
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	18.5	12.7
YELLOWFIN	0.	0.	0.	0.	11.5	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	33.7	0.	0.
TURBOT	0.	0.	29.1	101.1	0.	4.2
STR FLDR	10.9	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	252.6	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	10.9	0.	995.6	1568.0	40.4	252.1
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	1643.3	8435.4	4.6	43.1
BLACK COD	0.	0.	0.	84.2	0.	0.
POLLACK	0.	0.	772.8	101.4	3.5	0.
COTTIDS	0.	0.	241.2	506.3	0.	184.6
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	3.3	0.	0.	0.	0.	24.6
TOT. RDFS	3.3	0.	2657.4	9127.3	8.1	252.3
SHELL FISH						
KING CRB	0.	0.	700.0	736.8	0.	0.
TANNER CRB	8.7	0.	483.0	33.7	9.2	116.9
DUNGEN CRB	0.	0.	194.0	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	8.7	0.	1377.0	770.5	9.2	116.9
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	43.6	0.	0.	0.	0.	0.
TOT. CATCH	462.1	87.2	5416.8	11752.2	114.7	761.5

HAUL NO.	S085	S086	S087	S088	S089	S090
STATION	4UM	44F	44F	1	2	3
MO DA YR	073068	073168	073168	080168	080168	080168
W. LONG.	155 15	154 15	154 15	154 16	154 16	154 16
N. LAT.	56 33	56 45	56 45	56 49	56 49	56 49
VESSEL	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH
DURATION	60	60	60	15	15	15
DEPTH MAX.	026	033	032	018	014	009
NET MESH	3 1/2	3 1/2	3 1/2	1 1/4	1 1/4	1 1/4
CATCH						
HALIBUT						
NO. LESS 65	112.0	312.0	230.0	480.0	464.0	960.0
NO. GTR 64	9.0	20.0	22.0	0.	0.	0.
WT. LESS 65	169.8	469.8	290.2	95.9	52.5	91.9
WT. GTR 64	61.0	208.4	230.1	0.	0.	0.
TOTAL WT.	230.8	678.2	520.3	95.9	52.5	91.9
SOLE+FLFSH						
FLATHEAD	0.	8.3	7.3	6.4	0.	0.
ROCK	174.7	0.	0.	10.0	58.0	550.0
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	19.6	50.0
YELLOWFIN	0.	665.5	582.5	731.2	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	3.2	0.	0.
STR FLDR	195.0	0.	0.	250.0	408.0	78.0
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	35.0	0.	0.	0.	58.0	125.0
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	404.7	673.8	589.8	1000.8	543.6	803.0
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	0.	0.	0.
BLACK COD	0.	166.7	145.3	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	0.	1000.0	872.0	133.3	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 RDFS	0.	8.3	7.3	36.0	5.6	5.0
TOT. RDFS	0.	1175.0	1024.6	169.3	5.6	5.0
SHELL FISH						
KING CRB	0.	664.0	584.0	240.0	84.0	0.
TANNER CRB	0.	83.0	73.0	0.	0.	0.
DUNGEN CRB	156.0	0.	0.	80.0	174.0	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	50.0	0.	0.	0.	0.
TOT. SHFSH	156.0	797.0	657.0	320.0	258.0	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	76.0	1411.0	17.0	0.	0.	0.
TOT. CATCH	867.6	4734.9	2808.8	1586.1	859.7	899.9

HAUL NO.	S091	S092	S093	S094	S095	S096
STATION	4	5	1	2	3	4
MO DA YR	080168	080168	080268	080268	080268	080268
W. LONG.	154 16	154 16	154 16	154 16	154 16	154 16
N. LAT.	56 49	56 49	56 49	56 49	56 49	56 49
VESSEL	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH
DURATION	15	15	15	15	15	15
DEPTH MAX.	026	016	018	016	009	000
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	196.0	184.0	148.0	168.0	36.0	316.0
NO. GTR 64	0.	0.	0.	0.	0.	0.
WT. LESS 65	44.4	9.7	49.2	22.2	7.5	51.2
WT. GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	44.4	9.7	49.2	22.2	7.5	51.2
SOLE+FLFSH						
FLATHEAD	12.4	4.0	20.0	0.	4.4	4.0
ROCK	0.	40.0	400.0	43.3	0.	40.0
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	15.4	0.	0.
YELLOWFIN	282.9	0.	0.	0.	93.9	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	9.6	0.	0.	0.	3.2	0.
STR FLDR	0.	0.	0.	304.0	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	12.8	0.	0.	44.0	4.8	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	317.7	44.0	420.0	406.7	106.3	44.0
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	0.	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	19.2	0.	0.	0.	32.0	0.
COTTIDS	232.5	1.2	80.0	0.	82.5	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 RDFS	0.	14.0	14.0	4.0	0.	14.0
TOT. RDFS	251.7	15.2	94.0	4.0	114.5	22.0
SHELL FISH						
KING CRB	0.	0.	0.	60.0	0.	0.
TANNER CRB	0.	0.	0.	0.	0.	0.
DUNGEN CRB	48.0	0.	0.	132.0	15.0	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	48.0	0.	0.	192.0	15.0	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	661.7	68.9	563.2	624.9	243.2	117.2

HAUL NO. STATION	S097 5	S098 5	S099 2	S100 1	S101 6	S102 1
MO DA YR		080268	080268	080268	080268	080368
W. LONG.		154 16	154 16	154 16	154 16	154 16
N. LAT.		56 49	56 49	56 49	56 49	56 49
VESSEL		S-MICH	S-MICH	S-MICH	S-MICH	S-MICH
DURATION	0	15	15	15	15	15
DEPTH MAX.		014	017	019	024	018
NET MESH CATCH	N TRWL	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
HALIBUT						
NO.LESS 65	0.	760.0	344.0	304.0	84.0	144.0
NO.GTR 64	0.	0.	12.0	4.0	4.0	4.0
WT.LESS 65	0.	91.1	66.7	78.0	55.8	31.2
WT.GTR 64	0.	0.	213.3	59.3	36.5	79.2
TOTAL WT.	0.	91.1	280.0	137.4	92.3	110.3
SOLE+FLFSH						
FLATHEAD	0.	4.0	0.	20.0	35.3	35.0
ROCK	0.	40.0	86.7	26.7	3.6	9.6
REX	0.	0.	0.	0.	7.2	2.4
BUTTER	0.	0.	30.8	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	583.8	271.1
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	14.4	7.2
STR FLDR	0.	0.	608.0	0.	0.	373.3
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	0.	0.	86.0	0.	0.	24.0
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FIFSH	0.	44.0	811.5	46.7	644.4	722.6
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	0.	32.4	4.8
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	0.	8.0	0.	16.0	50.4	228.0
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	0.	14.0	8.8	14.0	3.5	4.8
TOT. RDFS	0.	22.0	8.8	30.0	86.3	237.6
SHELL FISH						
KING CRB	0.	0.	132.0	0.	0.	0.
TANNER CRB	0.	0.	0.	0.	0.	0.
DUNGEN CRB	0.	0.	258.0	0.	0.	28.8
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	80.0	0.
TOT. SHFSH	0.	0.	390.0	0.	80.0	28.8
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	0.	157.1	1490.3	214.1	903.0	1099.3

HAUL NO. STATION	S103 2	S104 3	S105 4	S106 5	S107 1	S108 2
MO DA YR	080368	080368	080368	080368	080368	080368
W. LONG.	154 16	154 16	154 16	154 16	154 45	154 45
N. LAT.	56 49	56 49	56 49	56 49	57 23	57 23
VESSEL	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH
DURATION	15	15	15	9	15	15
DEPTH MAX.	014	010	026	013	014	008
NET MESH CATCH	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
HALIBUT						
NO.LESS 65	276.0	172.0	416.0	73.3	28.0	168.0
NO.GTR 64	0.	0.	0.	0.	0.	0.
WT.LESS 65	37.1	28.4	61.4	8.1	4.3	66.6
WT.GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	37.1	28.4	61.4	8.1	4.3	66.6
SOLE+FLFSH						
FLATHEAD	0.	0.	40.0	0.	0.	0.
ROCK	83.2	37.1	18.0	16.9	30.0	42.9
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	357.3	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	22.7	0.	0.	0.
STR FLDR	224.0	137.1	0.	0.	31.2	506.2
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	74.7	16.0	27.2	0.	6.0	66.0
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	381.9	190.2	465.2	16.9	67.2	615.0
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	0.	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	40.3	0.	0.	0.
COTTIDS	0.	4.0	0.	11.1	0.8	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 RDFS	10.0	0.	26.4	2.7	0.	20.0
TOT. RDFS	10.0	4.0	66.7	13.8	0.8	20.0
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	0.	0.	0.	0.	0.	0.
DUNGEN CRB	65.3	64.0	88.0	58.3	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	65.3	64.0	88.0	58.3	0.	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	800.0	0.	176.0	0.	52.0	0.
TOT. CATCH	1294.4	286.6	857.4	97.1	124.3	701.6

HAUL NO. STATION	S109 76G	S110 76F	S111 76E	S112 75E	S113 75D	S114 76E
MO DA YR	080968		080968	081368	081368	
W. LONG.	146 15		146 15	146 30	146 30	
N. LAT.	59 39		59 51	60 06	59 54	
VESSEL	S-MICH		S-MICH	S-MICH	S-MICH	
DURATION	60	0	11	60	43	0
DEPTH MAX.	053		042	065	040	
NET MESH	3 1/2		3 1/2	3 1/2	3 1/2	
CATCH		N TRWL				N TRWL
HALIBUT						
NO. LESS 65	3.0	0.	5.5	12.0	15.3	0.
NO. GTR 64	0.	0.	0.	1.0	5.6	0.
WT. LESS 65	13.9	0.	29.5	38.3	46.3	0.
WT. GTR 64	0.	0.	0.	8.0	52.7	0.
TOTAL WT.	13.9	0.	29.5	46.3	98.9	0.
SOLE+FLFSH						
FLATHEAD	41.1	0.	10.9	30.7	0.	0.
ROCK	0.	0.	0.	0.	0.	0.
REX	16.1	0.	5.5	0.	9.1	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	25.4	0.
TURBOT	48.0	0.	13.6	36.7	34.5	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	105.2	0.	30.0	67.5	68.9	0.
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	0.	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	0.	0.	0.	5.2	18.1	0.
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	16.4	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFS	0.	0.	0.	0.	152.2	0.
TOT. RDFS	0.	0.	16.4	5.2	170.3	0.
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	0.	0.	27.3	103.0	36.3	0.
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	3.5	0.	0.	6.0	0.	0.
TOT. SHFSH	3.5	0.	27.3	109.0	36.3	0.
OCPS + SWD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	50.0	0.	0.
TOT. CATCH	122.7	0.	103.2	278.0	374.5	0.

HAUL NO. STATION	S115 77E	S116 78E	S117 76B	S118 76A	S119 77B	S120 78B
MO DA YR	081368	081368	081768	081768	081768	081768
W. LONG.	146 00	145 45	146 15	146 15	146 00	145 45
N. LAT.	59 54	59 51	60 09	60 15	60 12	60 09
VESSEL	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH
DURATION	60	60	60	60	60	60
DEPTH MAX.	056	056	058	050	066	066
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	7.0	21.0	41.0	33.0	5.0	2.0
NO. GTR 64	3.0	3.0	8.0	6.0	2.0	1.0
WT. LESS 65	22.7	62.3	84.7	91.4	13.8	6.3
WT. GTR 64	39.3	32.7	96.6	55.3	12.9	42.5
TOTAL WT.	62.0	95.0	181.3	146.7	26.7	48.7
SOLE+FLFSH						
FLATHEAD	47.3	150.0	37.4	616.0	408.0	653.6
ROCK	0.	0.	34.0	0.	0.	0.
REX	36.3	15.0	20.4	78.4	576.0	386.4
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	23.4	0.	0.	0.	72.0	0.
TURBOT	199.7	375.0	358.0	364.0	360.0	534.9
STR FLDR	0.	0.	0.	179.2	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	306.7	340.0	449.8	1237.6	1416.0	1574.8
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	27.0	37.5	885.9	890.7	672.0	0.
BLACK COD	23.4	0.	34.0	0.	0.	59.0
POLLACK	82.1	40.0	0.	0.	288.0	172.1
COTTIDS	5.4	0.	0.	0.	19.2	5.9
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	28.8	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFS	0.	0.	0.	5.6	0.	107.0
TOT. RDFS	137.9	77.5	919.9	896.3	1008.0	344.0
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	27.4	25.0	0.	861.1	336.0	950.9
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	7.5	0.	0.	0.	0.
TOT. SHFSH	27.4	32.5	0.	861.1	336.0	950.9
OCPS + SWD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	9.0	0.	300.0	0.	0.
TOT. CATCH	534.0	754.0	1500.9	3441.7	2786.7	2918.4

HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH HALIBUT NO.LESS 65 NO.GTR 64 WT.LESS 65 WT.GTR 64 TOTAL WT.	S121 78C 081768 145 45 60 03 S-MICH 60 054 3 1/2	S122 77F 081868 146 00 59 48 S-MICH 32 052 3 1/2	S123 78F 081868 145 45 59 45 S-MICH 60 059 3 1/2	S124 78G 081868 145 45 59 39 S-MICH 60 058 3 1/2	S125 79F 081868 145 30 59 42 S-MICH 60 062 3 1/2	S126 79G 081868 145 30 59 36 S-MICH 60 068 3 1/2
SOLE+FLFSH						
FLATHEAD	64.0	253.1	196.2	1201.3	390.2	459.3
ROCK	0.	0.	0.	0.	0.	0.
REX	12.0	95.6	55.1	106.1	37.4	76.7
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	149.1	0.	85.0	0.
TURBOT	755.8	756.2	588.0	1059.7	289.0	805.0
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	831.8	1105.0	988.5	2367.2	801.6	1340.9
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	793.3	393.7	292.5	0.	238.0	287.5
BLACK COD	40.0	196.9	97.5	424.5	119.0	57.0
POLLACK	477.0	0.	0.	1166.4	780.7	107.8
COTTIDS	0.	45.0	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 RDFS	0.	0.	50.7	0.	0.	0.
TOT. RDFS	1310.3	635.6	440.7	1590.9	1137.7	452.3
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	357.8	196.9	196.1	42.6	153.0	192.0
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	39.0	0.	0.	38.3
TOT. SHFSH	357.8	196.9	235.1	42.6	153.0	230.3
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	3.7	58.5	0.	27.2	34.2
TOT. CATCH	2690.0	2157.6	1756.4	4160.1	2173.2	2151.3

HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH HALIBUT NO.LESS 65 NO.GTR 64 WT.LESS 65 WT.GTR 64 TOTAL WT.	S127 79E 081868 145 30 59 48 S-MICH 60 064 3 1/2	S128 80E 081968 145 15 59 45 S-MICH 60 064 3 1/2	S129 80D 081968 145 15 59 51 S-MICH 60 055 3 1/2	S130 82D 081968 144 45 59 51 S-MICH 60 062 3 1/2	S131 82E 081968 144 45 59 45 S-MICH 60 036 3 1/2	S132 83D 081968 144 30 59 48 S-MICH 45 045 3 1/2
SOLE+FLFSH						
FLATHEAD	357.0	363.4	120.0	237.7	15.3	6.0
ROCK	0.	0.	0.	0.	454.8	129.2
REX	0.	0.	0.	68.0	1212.4	278.9
BUTTER	0.	0.	0.	0.	91.1	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	204.0	202.0	0.
DOVER	232.7	159.2	64.0	0.	40.8	0.
TURBOT	1785.0	863.5	207.5	238.0	141.4	90.0
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	2374.7	1386.2	391.5	747.7	2157.8	504.1
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	716.0	0.	1036.7	0.	0.	36.0
BLACK COD	0.	45.0	80.0	44.2	75.7	0.
POLLACK	4285.5	545.1	104.0	136.0	0.	0.
COTTIDS	0.	0.	0.	20.4	0.	16.0
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	67.5	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFS	358.0	0.	0.	0.	25.5	0.
TOT. RDFS	5359.5	657.6	1220.7	200.6	101.2	52.0
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	268.5	0.	558.4	204.0	65.6	0.
DUNGEN CRB	0.	0.	0.	0.	152.0	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	22.5	0.	0.	0.	0.
TOT. SHFSH	268.5	22.5	558.4	204.0	217.6	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	83.0	50.0	85.0	0.	16.0
TOT. CATCH	8185.0	2213.4	2350.6	1249.0	2571.6	670.6

HAUL NO.	S133	S134	S135	S136	S137	S138
STATION	83B	82C	82B	82A	1	2
MO DA YR	082068	082168	082168	082168	082268	082268
W. LONG.	144 30	144 45	144 45	144 45	144 32	144 32
N. LAT.	60 00	59 57	60 03	60 09	59 54	59 54
VESSEL	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH
DURATION	60	60	60	60	15	15
DEPTH MAX.	048	124	104	034	014	020
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	1 1/4	1 1/4
CATCH						
HALIBUT						
NO. LESS 65	22.0	1.0	0.	30.0	132.0	220.0
NO. GTR 64	2.0	2.0	0.	8.0	0.	0.
WT. LESS 65	54.6	2.6	0.	58.1	20.6	83.5
WT. GTR 64	41.9	30.5	0.	108.7	0.	0.
TOTAL WT.	96.5	33.1	0.	166.7	20.6	83.5
SOLE+FLFSH						
FLATHEAD	308.6	11.1	41.3	122.6	0.	0.
ROCK	0.	0.	0.	82.0	4.8	0.
REX	6.0	74.5	4.0	30.5	101.3	311.9
BUTTER	0.	0.	0.	0.	113.1	260.0
YELLOWFIN	0.	0.	0.	0.	0.	104.0
ENGLISH	77.2	0.	0.	112.4	22.8	31.2
DOVER	0.	0.	15.7	0.	2.4	31.2
TURBOT	38.7	241.8	35.9	183.9	25.2	259.7
STR FLDR	0.	0.	0.	0.	24.0	0.
ALA PLAICE	0.	0.	0.	0.	52.0	0.
SAND SOLE	0.	0.	0.	0.	9.6	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	430.5	327.4	97.0	531.4	355.3	998.0
ROUND FISH						
LING COD	0.	0.	0.	0.	4.8	0.
TRUE COD	0.	38.0	235.7	0.	177.2	415.5
BLACK COD	0.	240.5	0.	0.	165.7	364.0
POLLACK	0.	168.0	36.7	0.	0.	0.
COTTIDS	0.	0.	0.	0.	25.3	208.0
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	57.0	20.0	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFS	0.	0.	0.	0.	0.	10.4
TOT. RDFS	0.	503.5	292.5	0.	373.0	997.9
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	169.6	167.9	10.3	2.0	0.	0.
DUNGEN CRB	7.5	0.	0.	163.4	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	4.0	0.	0.
TOT. SHFSH	177.1	167.9	10.3	169.5	0.	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	90.0	23.0	0.	250.0	72.0	816.0
TOT. CATCH	794.1	1054.9	399.8	1117.6	820.9	2895.4

HAUL NO.	S139	S140	S141	S142	S143	S144
STATION	3	4	5	1	3	4
MO DA YR	082268	082268	082268	082368	082368	082368
W. LONG.	144 32	144 32	144 32	144 32	144 32	144 32
N. LAT.	59 54	59 54	59 54	59 54	59 54	59 54
VESSEL	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH
DURATION	15	15	15	15	15	15
DEPTH MAX.	015	024	040	016	016	024
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	72.0	196.0	68.0	4.0	92.0	164.0
NO. GTR 64	0.	0.	20.0	0.	0.	0.
WT. LESS 65	17.2	71.3	115.0	1.8	18.6	62.5
WT. GTR 64	0.	0.	183.8	0.	0.	0.
TOTAL WT.	17.2	71.3	298.8	1.8	18.6	62.5
SOLE+FLFSH						
FLATHEAD	0.	10.4	141.2	4.0	0.	7.2
ROCK	7.2	0.	0.	0.	14.4	0.
REX	1.2	212.5	9.4	0.8	2.4	141.8
BUTTER	40.8	54.0	0.	0.	67.2	36.0
YELLOWFIN	0.	132.5	0.	4.0	0.	88.7
ENGLISH	0.	0.	193.5	0.	0.	0.
DOVER	0.	5.3	0.	0.	0.	10.8
TURBOT	0.	175.0	375.7	4.0	0.	116.8
STR FLDR	46.7	189.0	0.	0.	79.3	126.0
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	29.4	0.	0.	0.	46.2	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	125.3	778.7	719.8	12.8	209.5	527.4
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	27.1	5.2	0.	4.0	45.0	3.6
BLACK COD	12.0	97.2	0.	0.	24.0	64.8
POLLACK	0.	0.	281.8	1.6	0.	0.
COTTIDS	0.	20.8	0.	0.	0.	14.4
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	5.3	32.0	0.	1.6	9.1	21.6
TOT. RDFS	44.4	155.2	281.8	7.2	78.1	104.4
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	0.	0.	0.	0.	0.	0.
DUNGEN CRB	28.0	0.	0.	0.	44.0	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	59.4	0.	0.	0.	39.6
TOT. SHFSH	28.0	59.4	0.	0.	44.0	39.6
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	90.0	0.	0.	0.	180.0	0.
TOT. CATCH	304.9	1064.6	1300.5	21.8	530.2	733.9

HAUL NO.	S145	S146	S147	S148	S149	S150
STATION	2	5	81B	80B	79B	78A
MO DA YR	082368	082368	082368	082368	082368	082368
W. LONG.	144 32	144 32	145 00	145 15	145 30	145 45
N. LAT.	59 54	59 54	60 06	60 03	60 12	60 15
VESSEL	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH
DURATION	15	15	60	60	60	60
DEPTH MAX.	023	039	036	054	072	038
NET MESH	1 1/4	1 1/4	3 1/2	3 1/2	3 1/2	3 1/2
CATCH						
HALIBUT						
NO. LESS 65	236.0	36.0	69.0	3.0	1.0	42.0
NO. GTR 64	0.	8.0	13.0	5.0	6.0	2.0
WT. LESS 65	65.3	54.3	157.8	10.9	2.0	104.9
WT. GTR 64	0.	64.9	118.3	70.6	135.8	14.2
TOTAL WT.	65.3	119.3	276.1	81.5	137.7	119.1
SOLE+FLFSH						
FLATHEAD	0.	84.7	76.8	230.1	388.3	144.5
ROCK	0.	0.	21.2	0.	0.	0.
REX	129.8	5.6	149.5	33.1	105.6	60.4
BUTTER	108.7	0.	0.	0.	0.	0.
YELLOWFIN	43.2	0.	0.	0.	0.	0.
ENGLISH	13.2	114.8	21.5	102.0	0.	78.7
DOVER	12.8	0.	0.	0.	0.	65.8
TURBOT	108.3	225.4	277.7	12.7	335.7	15.6
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	68.8	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	416.0	430.5	615.6	378.0	829.5	365.1
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	173.3	0.	25.8	0.	157.5	249.1
BLACK COD	150.5	0.	0.	0.	0.	0.
POLLACK	0.	169.0	0.	52.0	0.	145.7
COTTIDS	86.0	0.	0.	25.5	0.	2.6
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	4.4	0.	47.1	26.0	0.	0.
TOT. RDFS	414.2	169.0	72.9	103.5	157.5	397.4
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	0.	0.	0.	0.	88.1	86.6
DUNGEN CRB	0.	0.	320.0	26.0	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	21.5	0.	0.	10.4
TOT. SHFSH	0.	0.	341.5	26.0	88.1	97.0
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	336.0	0.	640.0	300.0	30.0	240.0
TOT. CATCH	1231.5	718.7	1946.1	889.0	1242.9	1218.6

HAUL NO.	S151	S152	S153	S154	S155	S156
STATION	79A	79C	80C	2	1	3
MO DA YR	082468	082468	082468	082668	082668	082668
W. LONG.	145 30	145 30	145 15	136 12	136 12	136 12
N. LAT.	60 12	60 00	59 57	58 13	58 13	58 13
VESSEL	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH
DURATION	60	60	60	15	15	15
DEPTH MAX.	036	060	070	025	027	022
NET MESH	3 1/2	3 1/2	3 1/2	1 1/4	1 1/4	1 1/4
CATCH						
HALIBUT						
NO. LESS 65	26.0	3.0	0.	72.0	48.0	160.0
NO. GTR 64	9.0	7.0	2.0	8.0	4.0	8.0
WT. LESS 65	64.8	11.7	0.	201.2	111.8	328.1
WT. GTR 64	80.0	81.9	25.3	54.4	33.4	49.1
TOTAL WT.	144.8	93.7	25.3	255.6	145.2	377.3
SOLE+FLFSH						
FLATHEAD	147.9	204.1	66.9	90.7	230.0	591.8
ROCK	0.	0.	0.	36.0	73.6	0.
REX	40.5	44.5	30.0	12.0	36.8	20.4
BUTTER	0.	0.	0.	0.	73.6	105.0
YELLOWFIN	0.	0.	0.	0.	0.	556.0
ENGLISH	242.4	0.	0.	0.	0.	277.3
DOVER	0.	0.	33.0	0.	0.	0.
TURBOT	0.	265.9	116.7	0.	184.0	402.1
STR FLDR	0.	0.	0.	1620.0	2576.0	770.0
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	430.8	514.5	246.2	1750.7	3174.0	2722.6
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	81.0	0.	0.	420.0	230.0	91.0
BLACK COD	0.	10.8	0.	0.	92.0	0.
POLLACK	67.5	0.	25.5	91.2	184.0	557.3
COTTIDS	0.	0.	3.3	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 RDFS	0.	0.	0.	0.	0.	20.4
TOT. RDFS	148.5	10.8	28.8	511.2	506.0	668.7
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	0.	97.9	291.7	240.0	368.0	0.
DUNGEN CRB	0.	0.	0.	0.	276.0	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	21.6	44.3	0.	0.	0.	0.
TOT. SHFSH	21.6	142.2	291.7	240.0	644.0	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	200.0	0.	0.	200.0	0.	0.
TOT. CATCH	945.6	761.2	592.4	2965.6	4469.2	3768.6

HAUL NO.	S157	S158	S159	S160	S161	S162
STATION	1	2	3	4	5	1
MO DA YR	082868	082868	082868	082868	082868	083068
W. LONG.	135 47	135 47	135 47	135 47	135 47	135 47
N. LAT.	57 09	57 09	57 09	57 09	57 09	57 09
VESSEL	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH
DURATION	15	15	15	15	15	15
DEPTH MAX.	021	014	014	016	023	022
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	80.0	20.0	88.0	16.0	8.0	96.0
NO.GTR 64	0.	0.	0.	4.0	0.	4.0
WT.LESS 65	143.1	20.7	88.5	23.4	0.0	122.4
WT.GTR 64	0.	0.	0.	25.2	0.	25.2
TOTAL WT.	143.1	20.7	88.5	48.6	0.0	147.6
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	0.	0.
ROCK	57.1	98.4	102.1	24.0	120.0	360.0
REX	0.	0.	0.	0.	0.	0.
BUTTER	84.5	90.4	0.	2.0	14.0	42.0
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	2.4	13.3	5.0	3.2	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	12.0	0.	0.	0.	0.8	2.4
STR FLDR	51.6	0.	170.7	42.0	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	2.4	90.4	0.	1.2	4.0	12.0
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	1.6	2.0	3.2	0.
TOT. FTFSH	210.0	292.5	279.4	74.4	142.0	416.4
ROUND FISH						
LING COD	216.0	0.	124.0	80.0	0.	0.
TRUE COD	0.	0.	0.	0.	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	1.7	0.	0.	0.	0.
COTTIDS	0.	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 RDFS	0.	8.0	0.	0.	0.	0.
TOT. RDFS	216.0	9.7	124.0	80.0	0.	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	96.0	400.0	160.0	360.0	0.	0.
TOT. CATCH	665.1	722.9	651.9	563.0	142.0	564.0

HAUL NO.	S163	S164	S165	S166	S167	S168
STATION	2	3	4	5	1	2
MO DA YR	083068	083068	083068	083068	083068	083068
W. LONG.	135 47	135 47	135 47	135 47	135 47	135 47
N. LAT.	57 09	57 09	57 09	57 09	57 09	57 09
VESSEL	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH	S-MICH
DURATION	15	15	15	15	15	15
DEPTH MAX.	014	014	017	022	022	014
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	96.0	48.0	124.0	116.0	144.0	48.0
NO.GTR 64	0.	0.	0.	0.	0.	0.
WT.LESS 65	49.2	52.9	49.1	174.8	294.1	24.3
WT.GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	49.2	52.9	49.1	174.8	294.1	24.3
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	0.	0.
ROCK	189.6	99.7	24.0	360.0	68.2	79.2
REX	0.	0.	0.	0.	0.	0.
BUTTER	173.6	0.	2.0	42.0	103.6	73.3
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	25.1	5.0	3.2	0.	3.6	10.7
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	2.4	14.0	0.
STR FLDR	0.	170.7	42.0	0.	51.6	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	173.6	0.	1.2	12.0	2.4	72.3
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	2.4	2.0	9.6	0.	0.
TOT. FTFSH	561.9	277.8	74.4	426.0	243.5	235.5
ROUND FISH						
LING COD	0.	124.0	80.0	0.	216.0	0.
TRUE COD	0.	0.	0.	0.	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	22.0	0.	0.	0.	0.	9.2
COTTIDS	0.	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 RDFS	16.0	0.	0.	0.	0.	7.0
TOT. RDFS	38.0	124.0	80.0	0.	216.0	16.2
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	80.0	160.0	360.0	0.	96.0	80.0
TOT. CATCH	729.1	614.7	563.5	600.8	849.5	356.0

HAUL NO.	S169	S170	S171			
STATION	3	4	5			
MO DA YR	083068	083068	083068			
W. LONG.	135 47	135 47	135 47			
N. LAT.	57 09	57 09	57 09			
VESSEL	S-MICH	S-MICH	S-MICH			
DURATION	15	15	15	0	0	0
DEPTH MAX.	014	017	022			
NET MESH	1 1/4	1 1/4	1 1/4			
CATCH						
HALIBUT						
NO. LESS 65	48.0	32.0	256.0	0.	0.	0.
NO. GTR 64	0.	0.	4.0	0.	0.	0.
WT. LESS 65	47.4	11.9	443.7	0.	0.	0.
WT. GTR 64	0.	0.	25.2	0.	0.	0.
TOTAL WT.	47.4	11.9	468.9	0.	0.	0.
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	0.	0.
ROCK	369.3	132.7	691.6	0.	0.	0.
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	11.0	80.5	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	19.0	17.6	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	4.8	0.	0.	0.
STR FLDR	618.7	292.0	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	0.	6.8	24.0	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	8.0	0.	0.	0.	0.	0.
TOT. FTFSH	1015.0	420.1	800.9	0.	0.	0.
ROUND FISH						
LING COD	186.0	80.0	0.	0.	0.	0.
TRUE COD	0.	0.	0.	0.	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	0.	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 RDFS	0.	0.	0.	0.	0.	0.
TOT. RDFS	186.0	80.0	0.	0.	0.	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	320.0	0.	0.	0.	0.	0.
TOT. CATCH	1568.3	512.1	1269.8	0.	0.	0.

HAUL NO.	H102	H103	H104	H105	H106	H107
STATION	5A	5A	3	4A	3A	3A
MO DA YR	071268	071268	071268	071268	071368	071368
W. LONG.	163 20	163 20	163 23	163 23	163 30	163 30
N. LAT.	54 44	54 44	54 44	54 44	54 38	54 38
VESSEL	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY	HARMNY
DURATION	15	15	15	15	15	15
DEPTH MAX.	011	015	010	015	010	015
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	532.0	304.0	456.0	948.0	576.0	16.0
NO. GTR 64	0.	0.	0.	0.	0.	0.
WT. LESS 65	62.5	30.6	141.3	158.7	223.9	10.2
WT. GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	62.5	30.6	141.3	158.7	223.9	10.2
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	0.	0.
ROCK	68.6	6.1	107.0	133.5	276.1	0.8
REX	0.	0.	0.	0.	0.	0.
BUTTER	692.9	6.1	522.9	653.1	0.	2.0
YELLOWFIN	138.2	6.2	170.0	212.0	110.9	2.4
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.	6.0	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	0.	20.0	0.	0.	607.7	16.4
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	899.6	38.5	805.5	998.6	994.7	21.6
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	3.6	32.0	4.8	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	6.4	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 RDFS	4.8	14.4	1.6	0.	1.6	0.
TOT. RDFS	11.2	14.4	5.2	32.0	6.4	0.
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	0.	0.	0.	0.	0.	0.
DUNGEN CRB	24.0	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	24.0	0.	0.	0.	0.	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	92.0	0.	132.0	0.	0.
TOT. CATCH	997.3	175.5	952.1	1321.3	1225.0	31.8

HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	H108 7A	H109 7A 071568 163 30 54 36 HARMNY	H110 7C	H111 6A 071568 163 45 54 30 HARMNY	H112 6B 071568 163 45 54 26 HARMNY	H113 4A 071668 164 13 54 34 HARMNY
	0	55 059 3 1/2	0	60 052 3 1/2	60 052 3 1/2	15 015 1 1/4
NO. LESS 65	0.	8.7	0.	7.0	1.0	676.0
NO. GTR 64	0.	0.	0.	2.0	0.	0.
WT. LESS 65	0.	10.1	0.	13.1	0.6	68.2
WT. GTR 64	0.	0.	0.	21.4	0.	0.
TOTAL WT.	0.	10.1	0.	34.5	0.6	68.2
SOLE+FLFSH						
FLATHEAD	0.	9.6	0.	97.2	12.2	0.
ROCK	0.	25.2	0.	299.1	37.2	447.5
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	93.3
YELLOWFIN	0.	0.	0.	243.0	30.5	2.0
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	58.8	0.	52.3	6.5	0.
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	74.0	10.0	0.
SAND SOLE	0.	0.	0.	0.	0.	35.0
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	0.	93.6	0.	765.6	96.5	577.8
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	66.0	0.	40.0	10.0	0.
BLACK COD	0.	0.	0.	0.	0.	11.7
POLLACK	0.	1.2	0.	40.0	10.0	0.
COTTIDS	0.	412.5	0.	1046.6	130.9	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 RDFS	0.	15.3	0.	0.6	0.	9.6
TOT. RDFS	0.	494.9	0.	1127.2	150.9	21.3
SHELL FISH						
KING CRB	0.	58.9	0.	132.0	1760.0	0.
TANNER CRB	0.	96.0	0.	115.8	14.4	0.
DUNGEN CRB	0.	0.7	0.	74.0	10.0	60.0
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	100.0	0.
TOT. SHFSH	0.	155.6	0.	321.8	1884.4	60.0
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	4.4	0.	0.	0.	0.
TOT. CATCH	0.	758.6	0.	2249.0	2132.4	727.4

HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	H114 4A 071668 164 13 54 34 HARMNY	H115 5A 071668 164 00 54 37 HARMNY	H116 4A 071768 164 15 54 32 HARMNY	H117 4B 071768 164 15 54 27 HARMNY	H118 37Q 072368 156 00 55 54 HARMNY	H119 37P 072368 156 00 56 00 HARMNY
	15 019 1 1/4	15 018 1 1/4	40 050 3 1/2	35 052 3 1/2	60 040 3 1/2	60 041 3 1/2
NO. LESS 65	312.0	1284.0	139.5	5.1	153.0	78.0
NO. GTR 64	0.	0.	1.5	0.	6.0	5.0
WT. LESS 65	22.7	101.7	157.3	9.2	152.6	142.5
WT. GTR 64	0.	0.	10.4	0.	125.2	53.2
TOTAL WT.	22.7	101.7	167.7	9.2	277.8	195.7
SOLE+FLFSH						
FLATHEAD	0.	0.	21.7	103.4	0.	0.
ROCK	238.0	234.6	73.7	123.9	64.6	132.2
REX	21.0	0.	0.	0.	0.	1.2
BUTTER	50.0	316.8	17.4	0.	11.4	4.0
YELLOWFIN	1.2	45.2	347.2	72.6	0.	0.
ENGLISH	0.	0.	0.	0.	0.	4.0
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	117.1	128.9	7.6	8.7
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	310.2	596.6	577.1	428.8	83.6	150.2
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	0.	991.2	0.
BLACK COD	6.5	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	0.	0.	60.5	670.6	0.	106.7
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 RDFS	4.8	3.6	303.4	48.2	0.	1.2
TOT. RDFS	11.3	3.6	364.0	718.8	991.2	107.9
SHELL FISH						
KING CRB	0.	0.	59.4	17.0	194.7	80.0
TANNER CRB	0.	0.	823.8	13.7	26.6	45.2
DUNGEN CRB	20.0	12.0	11.4	1.7	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	34.8	0.	10.0	5.0
TOT. SHFSH	20.0	12.0	929.4	32.4	231.3	130.2
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	364.2	713.9	2038.2	1189.2	1583.9	584.0

HAUL NO.	H120	H121				
STATION	370	380				
MO DA YR	072368	072368				
W. LONG.	156 00	155 45				
N. LAT.	56 06	56 03				
VESSEL	HARMNY	HARMNY				
DURATION	31	60	0	0	0	0
DEPTH MAX.	039	034				
NET MESH	3 1/2	3 1/2				
CATCH						
HALIBUT						
NO. LESS 65	60.0	0.	0.	0.	0.	0.
NO. GTR 64	0.	0.	0.	0.	0.	0.
WT. LESS 65	52.8	0.	0.	0.	0.	0.
WT. GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	52.8	0.	0.	0.	0.	0.
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	0.	0.
ROCK	48.4	0.	0.	0.	0.	0.
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	48.4	0.	0.	0.	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	96.8	0.	0.	0.	0.	0.
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	0.	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	19.4	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 RDFS	0.	0.	0.	0.	0.	0.
TOT. RDFS	19.4	0.	0.	0.	0.	0.
SHELL FISH						
KING CRB	224.5	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	56.1	0.	0.	0.	0.	0.
TOT. SHFSH	280.6	0.	0.	0.	0.	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	449.6	0.	0.	0.	0.	0.

Appendix Table 2. 1969 Catch Records

HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	T 67	T 68	T 69	T 70	T 71	T 72
1A 062669 164 08 54 36 TONGIN 15 015 1 1/4	1B 062669 164 08 54 36 TONGIN 15 016 1 1/4	2A 062669 163 52 54 37 TONGIN 15 011 1 1/4	2B 062669 163 52 54 37 TONGIN 15 009 1 1/4	3A 062669 163 30 54 38 TONGIN 15 016 1 1/4	3B 062669 163 30 54 38 TONGIN 15 014 1 1/4	
NO. LESS 65	372.0	292.0	272.0	256.0	280.0	204.0
NO. GTR 64	4.0	0.	0.	0.	0.	0.
WT. LESS 65	53.0	49.0	56.7	46.9	74.7	52.5
WT. GTR 64	152.1	0.	0.	0.	0.	0.
TOTAL WT.	205.1	49.0	56.7	46.9	74.7	52.5
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	0.	0.
ROCK	48.0	600.0	180.0	200.0	360.0	640.0
REX	0.	0.	0.	0.	0.	0.
RUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	120.0	100.0	30.0	20.0	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURHOT	8.0	0.	0.	0.	0.	0.
STR FLDR	0.	88.0	0.	0.	0.	30.4
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	96.0	20.0	420.0	280.0	30.0	76.8
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	272.0	808.0	630.0	500.0	390.0	747.2
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	26.4	0.	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	112.0	44.0	2.4	12.0	21.6	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	16.0	0.	1.2	0.	0.	0.
TOT. RDFS	128.0	44.0	30.0	12.0	21.6	0.
SHELL FISH						
KING CRB	52.0	60.0	64.0	20.0	32.0	4.0
TANNER CRB	0.	0.	0.	0.	144.0	134.4
DUNGEN CRB	0.	0.	48.0	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	52.0	60.0	112.0	20.0	176.0	138.4
UCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOHRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	657.1	961.0	828.7	578.9	662.3	938.1

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HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	T 73	T 74	T 75	T 76	T 77	T 78
4A 062769 163 23 54 44 TONGIN 15 012 1 1/4	4B 062769 163 23 54 44 TONGIN 14 013 1 1/4	5A 062769 163 20 54 44 TONGIN 15 020 1 1/4	5B 062769 163 23 54 44 TONGIN 15 020 1 1/4	7A 062769 163 30 54 36 TONGIN 22 050 3 1/2	7B 062769 163 30 54 30 TONGIN 29 058 3 1/2	
NO. LESS 65	292.0	205.7	256.0	600.0	16.4	8.3
NO. GTR 64	0.	0.	0.	0.	0.	0.
WT. LESS 65	49.8	31.3	60.9	95.0	11.5	10.4
WT. GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	49.8	31.3	60.9	95.0	11.5	10.4
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	0.	0.
ROCK	240.0	231.4	120.0	80.0	28.6	270.8
REX	0.	0.	0.	0.	0.	0.
RUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	12.0	20.6	240.0	106.7	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURHOT	0.	0.	2.4	2.1	0.	108.3
STR FLDR	72.0	0.	42.0	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	240.0	385.7	300.0	160.0	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	564.0	637.7	704.4	348.8	28.6	379.1
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	51.6	0.	0.	28.3	8.2	107.6
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	60.0	14.1	105.6	27.2	122.7	1352.0
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	1.2	0.	7.2	1.1	0.	0.
TOT. RDFS	112.8	14.1	112.8	56.5	130.9	1459.6
SHELL FISH						
KING CRB	4.0	0.	0.	0.	265.9	413.8
TANNER CRB	49.2	0.	2.4	0.5	8.2	156.0
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	53.8
TOT. SHFSH	53.2	0.	2.4	0.5	274.1	623.6
UCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOHRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	779.8	683.1	880.5	500.9	445.1	2472.8

HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	T 79 7C 062769 163 30 54 24 TONGIN 55 060 3 1/2	T 80 7D 062769 163 30 54 18 TONGIN 60 061 3 1/2	T 81 7E 062869 163 30 54 12 TONGIN 60 059 3 1/2	T 82 6C 062869 163 45 54 21 TONGIN 60 061 3 1/2	T 83 6B 062869 163 45 54 27 TONGIN 60 058 3 1/2	T 84 6A 062869 163 45 54 32 TONGIN 55 047 3 1/2
NO.LESS 65	2.2	4.0	11.0	2.0	4.0	149.5
NO.GTR 64	2.2	1.0	1.0	1.0	1.0	21.8
WT.LESS 65	6.9	6.2	11.8	4.6	7.5	398.2
WT.GTR 64	17.2	8.0	73.6	10.4	31.0	230.1
TOTAL WT.	24.0	14.2	85.4	14.9	38.5	628.2
SOLE+FLFSH						
FLATHEAD	233.9	312.4	17.2	150.0	110.3	622.3
ROCK	0.	6.3	122.5	7.0	772.0	933.2
REX	0.	0.	12.3	0.	0.	0.
HUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	27.5	1244.3
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURROT	167.0	50.0	146.9	50.0	331.0	186.5
STR FLOR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	130.6
SAND SOLE	0.	0.	0.	0.	0.	217.6
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	400.9	368.7	298.9	207.0	1240.8	3334.5
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	166.4	0.	61.7	80.0	4137.8	342.0
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	33.0	435.3
COTTIDS	500.7	83.0	306.2	30.0	27.6	155.5
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	3.6	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RUFSH	0.	27.3	15.5	3.0	27.5	18.7
TOT. RUFSH	667.1	110.3	385.0	113.0	4225.9	951.4
SHELL FISH						
KING CRB	141.8	70.0	0.	52.0	300.0	89.5
TANNER CRB	300.4	521.4	73.2	0.	1103.3	622.3
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	150.0	0.	0.
SCALLOP	0.	0.	0.	0.	441.3	0.
TOT. SHFSH	442.3	591.4	73.2	202.0	1844.7	711.8
OCPS + SWD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	1534.3	1084.6	842.5	536.9	7349.9	5625.8

HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	T 85 5A 062969 164 00 54 36 TONGIN 57 037 3 1/2	T 86 5B 062969 164 00 54 30 TONGIN 15 044 3 1/2	T 87 5C 062969 164 00 54 24 TONGIN 56 058 3 1/2	T 88 5D 062969 164 00 54 18 TONGIN 60 040 3 1/2	T 89 4D 062969 164 15 54 15 TONGIN 54 051 3 1/2	T 90 4C 062969 164 15 54 21 TONGIN 53 061 3 1/2
NO.LESS 65	42.1	16.0	4.3	9.0	44.4	10.2
NO.GTR 64	4.2	0.	1.1	1.0	2.2	2.3
WT.LESS 65	34.8	9.7	7.9	4.8	26.9	19.5
WT.GTR 64	119.8	0.	7.8	18.5	68.3	31.2
TOTAL WT.	154.6	9.7	15.7	23.3	95.2	50.7
SOLE+FLFSH						
FLATHEAD	0.	2.4	128.6	14.0	1.1	11.3
ROCK	1408.0	180.0	5.4	502.0	311.1	56.6
REX	0.	6.0	0.	0.	0.	0.
HUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	281.7	84.0	0.	17.5	6.7	6.8
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURROT	6.3	7.2	64.3	114.5	13.3	113.2
STR FLOR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	0.	0.	0.	3.6	7.8	11.3
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	1696.0	279.6	198.2	651.6	340.0	199.2
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	250.9	507.6	589.3	0.	133.3	113.2
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	22.8	30.0	0.	24.4	283.0
COTTIDS	22.1	120.0	85.7	28.3	222.2	90.6
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 RUFSH	6.3	3.6	0.	3.6	4.4	9.1
TOT. RUFSH	279.4	654.0	705.0	31.9	384.4	495.8
SHELL FISH						
KING CRB	52.6	80.0	214.3	90.0	27.8	190.2
TANNER CRB	6.3	0.	107.1	140.8	44.4	566.0
DUNGEN CRB	0.	12.0	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	58.9	92.0	321.4	230.8	72.2	756.2
OCPS + SWD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	2188.9	1035.3	1240.3	937.6	891.9	1502.0

HAUL NO. STATION	T 91 4B	T 92 4A	T 93 3A	T 94 3B	T 95 2C	T 96 2D
MO DA YR	062969	063069	063069	063069	070169	070169
W. LONG.	164 15	164 15	164 30	164 30	164 45	164 45
N. LAT.	54 27	54 33	54 24	54 18	54 09	54 03
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	16	60	60	3A	25	26
DEPTH MAX.	061	046	053	057	042	05A
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	26.2	59.0	20.0	11.1	98.4	2.3
NO.GTR 64	0.	1.0	0.	1.6	0.	2.3
WT.LESS 65	45.7	79.3	21.2	8.0	70.3	0.4
WT.GTR 64	0.	6.3	0.	251.8	0.	55.8
TOTAL WT.	45.7	85.6	21.2	259.9	70.3	56.2
SOLE+FLFSH						
FLATHEAD	63.7	25.0	0.	0.	0.	0.
ROCK	26.2	516.0	283.5	79.5	288.0	46.2
REX	0.	0.	0.	0.	0.	0.
RUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	312.0	70.7	39.5	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURHOT	150.0	100.0	118.3	39.5	6.7	34.6
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	12.0	0.	0.	0.	0.
SAND SOLE	0.	18.0	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	240.0	983.0	472.5	158.4	294.7	80.8
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	450.0	37.0	141.7	59.2	48.0	92.3
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	20.0	0.	0.	0.	0.
COTTIDS	0.	54.0	945.2	396.4	96.0	461.5
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 RDFS	22.5	9.0	0.	35.5	7.7	0.
TOT. RDFS	472.5	120.0	1087.0	491.1	151.7	553.8
SHELL FISH						
KING CRB	300.0	95.0	400.0	0.	2.4	272.3
TANNER CRB	562.5	150.0	1063.1	593.8	20.2	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	862.5	245.0	1463.1	593.8	22.6	272.3
OCPS + SWD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	1620.7	1433.6	3043.8	1503.2	539.2	963.1

HAUL NO. STATION	T 97 2E	T 98 3F	T 99 3E	T100 3D	T101 4E	T102 4F
MO DA YR	070169	070169	070169	070169	070269	070269
W. LONG.	164 45	164 30	164 30	164 30	164 15	164 15
N. LAT.	53 57	53 54	54 00	54 06	54 09	54 03
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	17	60	30	4A	60	4A
DEPTH MAX.	049	060	057	046	042	041
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	3.5	0.	24.0	53.7	100.0	90.0
NO.GTR 64	0.	0.	0.	1.2	0.	2.5
WT.LESS 65	2.8	0.	17.9	33.8	72.5	67.4
WT.GTR 64	0.	0.	0.	127.7	0.	126.3
TOTAL WT.	2.8	0.	17.9	161.5	72.5	193.7
SOLE+FLFSH						
FLATHEAD	21.2	184.4	4.8	0.	0.	0.
ROCK	132.4	30.8	80.0	562.5	1300.7	1437.5
REX	0.	9.4	0.4	0.	0.	8.7
RUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	6.2	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURHOT	5.3	215.1	44.0	100.0	542.1	187.5
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	158.8	439.8	129.2	668.7	1842.8	1633.7
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	23.8	0.	0.	625.0	0.	125.0
BLACK COD	0.	3.0	0.	0.	0.	0.
POLLACK	0.	3.6	0.	0.	0.	0.
COTTIDS	7.9	245.5	100.0	62.5	650.0	31.2
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 RDFS	7.9	15.8	6.4	72.5	73.8	3.7
TOT. RDFS	39.7	267.9	106.4	760.0	723.8	160.0
SHELL FISH						
KING CRB	0.	40.0	2.0	112.5	34.0	51.2
TANNER CRB	0.	92.3	34.0	62.5	433.3	62.5
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.	132.3	36.0	175.0	467.3	113.7
OCPS + SWD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	201.4	840.0	289.5	1765.3	3106.5	2101.2

HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	T103 4G	T104 5F	T105 5E	T106 37G	T107 37P	T108 37O
MO DA YR	070269	070269	070269	070769	070769	070769
W. LONG.	164 00	164 00	164 00	156 00	156 00	156 00
N. LAT.	54 06	54 12	55 54	56 00	56 06	56 06
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	31	60	60	60	60	60
DEPTH MAX.	043	040	046	046	040	040
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH	N TRWL					
HALIHUT						
NO.LESS 65	0.	15.5	37.0	11.0	4.0	35.0
NO.GTR 64	0.	0.	0.	6.0	6.0	1.0
WT.LESS 65	0.	16.8	35.3	25.1	6.0	20.1
WT.GTR 64	0.	0.	0.	106.1	69.2	21.2
TOTAL WT.	0.	16.8	35.3	131.2	75.2	41.3
SOLE+FLFSH						
FLATHEAD	0.	59.6	0.	31.3	0.	0.
ROCK	0.	1685.0	450.0	470.6	381.7	120.0
REX	0.	0.	0.	0.	0.	0.
HUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	3.0	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	17.0	25.0	188.2	267.0	32.0
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	0.	0.	0.	94.3	286.3	60.0
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	0.	1761.7	478.0	784.4	935.1	212.0
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	3793.9	120.0	470.6	1336.5	0.
BLACK COD	0.	0.	0.	18.6	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	0.	252.6	600.0	705.7	133.6	32.0
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	0.	0.	8.0	20.8	0.	1.2
TOT. RDFS	0.	4046.5	728.0	1215.7	1470.1	33.2
SHELL FISH						
KING CRB	0.	561.3	70.0	33.6	13.0	6.0
TANNER CRB	0.	0.	0.	0.	72.2	32.0
DUNGEN CRB	0.	0.	0.	0.	22.8	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	0.	561.3	70.0	33.6	108.0	38.0
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	0.	6386.2	1311.3	2164.9	2588.4	324.5

HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	T109 3AM	T110 38N	T111 38O	T112 38P	T113 39Q	T114 39P
MO DA YR	070769	070869	070869	070869	070869	070969
W. LONG.	155 45	155 45	155 45	155 45	155 30	155 30
N. LAT.	56 15	56 09	56 03	55 57	56 06	56 12
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	60	27	60	21	40	22
DEPTH MAX.	040	032	028	026	028	028
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH						
HALIHUT						
NO.LESS 65	93.0	126.7	184.0	105.7	24.0	27.3
NO.GTR 64	2.0	0.	4.0	2.9	1.5	2.7
WT.LESS 65	122.4	101.1	156.2	76.7	18.5	23.6
WT.GTR 64	57.7	0.	29.8	26.0	23.1	21.7
TOTAL WT.	180.1	101.1	186.0	102.7	41.6	45.4
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	0.	0.
ROCK	200.0	0.	250.0	0.	45.0	0.
REX	0.	0.	0.	0.	0.	0.
HUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	28.0	0.	0.	0.	0.	0.
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	90.0	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	318.0	0.	250.0	0.	45.0	0.
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	0.	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	150.0	0.	16.0	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 RDFS	0.	0.	0.	0.	0.	0.
TOT. RDFS	150.0	0.	16.0	0.	0.	0.
SHELL FISH						
KING CRB	15.0	2127.6	19.0	995.4	60.0	68.2
TANNER CRB	50.0	0.	3.0	0.	0.	2.7
DUNGEN CRB	0.	0.	80.0	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	30.0	0.	0.	0.	0.	0.
TOT. SHFSH	95.0	2127.6	102.0	995.4	60.0	70.9
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	743.1	2228.7	554.0	1098.1	146.6	116.3

HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	T115 390 070969 155 30 56 18 TONGIN 60 035 3 1/2	T116 39N 070969 155 30 56 24 TONGIN 60 034 3 1/2	T117 39M 070969 155 30 56 30 TONGIN 60 046 3 1/2	T11A 39L 070969 155 30 56 36 TONGIN 39 057 3 1/2	T119 44F 071169 154 15 56 45 TONGIN 50 027 3 1/2	T120 1 071269 154 14 56 50 TONGIN 15 017 1 1/4
HALIRUT						
NO. LESS 65	65.0	38.0	31.0	1.5	145.2	792.0
NO. GTR 64	2.0	10.0	10.0	3.1	10.8	0.
WT. LESS 65	57.9	39.9	85.1	2.8	130.5	54.4
WT. GTR 64	23.2	124.9	97.1	106.8	122.3	0.
TOTAL WT.	81.1	164.8	182.2	109.6	252.9	54.4
SOLE+FLFSH						
FLATHEAD	50.0	0.	1491.1	276.9	189.0	0.
ROCK	1200.0	1448.3	185.5	0.	0.	3.2
REX	1.0	0.	0.	6.2	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	2428.6	888.0
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURROT	13.0	23.2	0.	21.5	0.	0.
STR FLDR	90.0	580.0	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	113.4	20.8
SAND SOLE	30.0	1303.3	119.4	0.	378.0	160.0
PFTRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	1384.0	3354.8	1796.0	304.6	3109.0	1072.0
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	1323.6	384.6	5.4	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	10.0	0.	49.5	1000.0	16.2	0.
COTTIDS	126.0	443.7	1424.4	184.6	216.0	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 RDFS	2.0	2.9	6.6	0.	37.8	6.4
TOT. RDFS	138.0	446.6	2804.1	1569.2	275.4	14.4
SHELL FISH						
KING CRB	407.4	680.0	273.0	341.0	596.4	4.0
TANNER CRB	4.0	174.0	397.3	184.6	108.0	0.
DUNGEN CRB	22.0	23.2	0.	0.	108.0	0.
SHRIMP	0.	2.9	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	433.4	880.1	670.3	525.6	812.4	4.0
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	2036.5	4846.3	5452.7	2509.0	4449.6	1144.8

HAUL NO. STATION MO DA YR W. LONG. N. LAT. VESSEL DURATION DEPTH MAX. NET MESH CATCH	T121 2 071269 154 15 56 50 TONGIN 15 014 3 1/2	T122 3 071269 154 16 56 50 TONGIN 15 005 1 1/4	T123 6 071269 154 14 56 51 TONGIN 15 021 3 1/2	T124 4 071369 154 19 56 50 TONGIN 15 020 1 1/4	T125 5 071369 154 20 56 51 TONGIN 15 021 1 1/4	T126 1 071369 154 14 56 50 TONGIN 15 017 1 1/4
HALIRUT						
NO. LESS 65	198.0	1188.0	116.0	3508.0	72.0	600.0
NO. GTR 64	0.	0.	0.	0.	12.0	0.
WT. LESS 65	117.8	65.7	19.4	184.0	5.5	45.0
WT. GTR 64	0.	0.	0.	0.	78.4	0.
TOTAL WT.	117.8	65.7	19.4	184.0	83.9	45.0
SOLE+FLFSH						
FLATHEAD	0.	0.	32.0	0.	1.2	0.
ROCK	108.0	224.0	60.0	480.0	0.	40.0
REX	0.	0.	0.	0.	0.	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	96.0	0.	200.0	1600.0	576.0	1920.0
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURROT	0.	0.	0.	12.0	1.2	0.
STR FLDR	432.0	280.0	68.0	96.0	0.	136.0
ALA PLAICE	0.	0.	160.0	20.0	0.	0.
SAND SOLE	144.0	40.0	40.0	320.0	60.0	320.0
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	780.0	544.0	560.0	2528.0	638.4	2416.0
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	0.	6.0	24.0
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	24.0	3.6	0.
COTTIDS	72.0	0.	200.0	600.0	84.0	132.0
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	0.	0.	0.	40.0	4.8	16.0
TOT. RDFS	72.0	0.	200.0	664.0	98.4	172.0
SHELL FISH						
KING CRB	0.	0.	63.2	0.	0.	18.8
TANNER CRB	0.	0.	0.	0.	0.	0.
DUNGEN CRB	0.	19.2	100.0	140.0	34.8	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	0.	19.2	163.2	140.0	34.8	18.8
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	969.8	628.9	942.6	3516.0	855.5	2651.8

HAUL NO.	T127	T128	T129	T130	T131	T132
STATION	2	3	6	4	5	436
MO DA YR	071369	071369	071469	071469	071469	071469
W. LONG.	154 15	154 16	154 14	154 19	154 20	154 30
N. LAT.	56 50	56 50	56 51	56 50	56 51	56 48
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	15	15	15	15	15	60
DEPTH MAX.	014	005	021	020	021	039
NET MESH	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3 1/2
CATCH						
HALIBUT						
NO. LESS 65	1328.0	780.0	144.0	780.0	1256.0	24.0
NO. GTR 64	0.	0.	0.	4.0	12.0	8.0
WT. LESS 65	101.7	39.5	23.9	87.4	88.1	50.8
WT. GTR 64	0.	0.	0.	36.5	111.4	84.1
TOTAL WT.	101.7	39.5	23.9	123.9	199.6	134.9
SOLE+FLFSH						
FLATHEAD	0.	0.	32.0	80.6	8.0	15.0
ROCK	120.0	96.0	48.0	80.6	120.0	0.
REX	0.	0.	0.	0.	0.	0.
RUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	1480.0	36.0	800.0	3216.9	2000.0	72.0
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURHOT	0.	0.	0.	0.	8.0	0.
STR FLDR	800.0	420.0	72.0	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	320.0	120.0	48.0	213.3	280.0	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FIFSH	0.	0.	0.	0.	0.	0.
TOT. FIFSH	2720.0	672.0	1000.0	3591.3	2416.0	87.0
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	12.8	64.2	40.0	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	11.2	128.8	4.0	0.
COTTIDS	320.0	12.0	28.8	160.0	220.0	453.0
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 RUFISH	0.	3.6	59.2	48.1	60.0	0.
TOT. RUFISH	320.0	15.6	112.0	401.1	324.0	453.0
SHELL FISH						
KING CRB	0.	0.	300.0	14.0	0.	1896.6
TANNER CRB	0.	1.2	16.0	0.	0.	180.0
DUNGEN CRB	0.	49.2	0.	135.0	128.0	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	0.	50.4	316.0	149.0	128.0	2076.6
UCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOHRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	3141.7	777.5	1451.9	4265.3	3067.6	2751.4

HAUL NO.	T133	T134	T135	T136	T137	T138
STATION	41K	41G	41R	41S	40T	40S
MO DA YR	071569	071569	071669	071669	061769	061769
W. LONG.	155 00	155 00	155 00	155 00	155 15	155 15
N. LAT.	56 54	56 18	56 12	56 06	55 51	55 57
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	10	30	60	12	36	35
DEPTH MAX.	045	016	025	029	028	031
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	135.0	345.0	66.7	44.6
NO. GTR 64	0.	0.	3.0	10.0	0.	0.
WT. LESS 65	3.3	8.3	112.7	788.2	56.7	38.5
WT. GTR 64	0.	0.	30.8	69.4	0.	0.
TOTAL WT.	3.3	8.3	143.4	857.6	56.7	38.5
SOLE+FLFSH						
FLATHEAD	18.0	0.	0.	0.	0.	0.
ROCK	0.	0.	20.0	0.	25.0	68.6
REX	0.	0.	0.	0.	0.	0.
RUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURHOT	0.	0.	0.	0.	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 FIFSH	0.	0.	0.	0.	0.	0.
TOT. FIFSH	18.0	0.	20.0	0.	25.0	68.6
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	0.	0.	102.9
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	30.0	0.	0.	0.	0.	0.
COTTIDS	9.6	0.	350.0	0.	0.	34.3
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 RUFISH	144.0	0.	0.	0.	0.	17.1
TOT. RUFISH	183.6	0.	350.0	0.	0.	154.3
SHELL FISH						
KING CRB	60.0	0.	55.0	0.	1500.0	2142.9
TANNER CRB	180.0	0.	0.	0.	0.	0.
DUNGEN CRB	0.	0.	50.0	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	240.0	0.	105.0	0.	1500.0	2142.9
UCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOHRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	444.9	8.3	618.4	857.6	1581.7	2404.3

HAUL NO.	T139	T140	T141	T142	T143	T144
STATION	40R	40Q	40P	40O	40N	40M
MO DA YR	071869	061869	071869	071969	071969	061969
W. LONG.	155 15	155 15	155 15	155 15	155 15	155 15
N. LAT.	56 03	56 09	56 15	56 21	56 27	56 33
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	60	60	60	60	60	45
DEPTH MAX.	020	022	017	026	028	033
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	49.0	9.0	1.0	397.0	344.0	118.7
NO. GTR 64	0.	0.	0.	11.0	7.0	10.7
WT. LESS 65	43.8	17.3	0.5	238.4	217.4	156.0
WT. GTR 64	0.	0.	0.	174.8	59.9	139.0
TOTAL WT.	43.8	17.3	0.5	413.3	277.2	294.9
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	0.	384.5
ROCK	10.0	0.	0.	378.7	726.9	0.
REX	0.	0.	0.	0.	0.	0.
HUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	96.2
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	0.	0.	0.	0.	25.1
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	0.	0.	0.	0.	0.	27.1
PETRALE	0.	0.	0.	0.	0.	0.
MISC FIFSH	0.	0.	0.	0.	0.	0.
TOT. FIFSH	10.0	0.	0.	378.7	726.9	532.9
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	0.	0.	0.
HLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	0.	0.	0.	79.8	151.2	131.5
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 RUFISH	0.	0.	0.	0.	0.	0.
TOT. RUFISH	0.	0.	0.	79.8	151.2	131.5
SHELL FISH						
KING CRB	500.0	500.0	0.	2000.0	426.0	1666.7
TANNER CRB	0.	0.	0.	38.0	72.8	0.
DUNGEN CRB	0.	0.	0.	0.	0.	33.6
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	500.0	500.0	0.	2038.0	498.8	1700.3
UCPS + SWD	0.	0.	0.	0.	0.	0.
ELASMOHRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	553.8	517.3	0.5	2909.8	1654.1	2659.6

HAUL NO.	T145	T146	T147	T14A	T149	T150
STATION	40L	40M	40M	40N	40N	39N
MO DA YR	072069	072069	072069	062069	072069	072169
W. LONG.	155 15	155 15	155 15	155 15	155 15	155 30
N. LAT.	56 39	56 33	56 33	56 27	56 27	56 24
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	60	60	60	45	60	60
DEPTH MAX.	053	033	033	029	027	034
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	145.0	251.0	248.0	308.0	20.0
NO. GTR 64	1.0	7.0	11.0	8.0	1.0	0.
WT. LESS 65	19.1	165.7	271.1	144.4	208.6	13.7
WT. GTR 64	6.3	67.2	115.4	104.6	37.0	0.
TOTAL WT.	25.3	232.9	386.4	248.9	245.6	13.7
SOLE+FLFSH						
FLATHEAD	751.6	202.2	151.2	6.7	0.	30.0
ROCK	0.	283.0	958.4	200.0	200.0	450.0
REX	3.6	40.3	5.0	0.	0.	2.0
HUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	60.7	37.9	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.	53.8	100.9	0.	0.	27.0
STR FLDR	0.	0.	85.0	0.	0.	159.0
ALA PLAICE	108.0	0.	0.	0.	0.	65.0
SAND SOLE	0.	269.5	252.3	0.	0.	340.0
PETRALE	0.	0.	0.	0.	0.	0.
MISC FIFSH	0.	0.	0.	0.	0.	0.
TOT. FIFSH	863.2	909.6	1590.7	206.7	200.0	1073.0
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	81.0	66.3	883.7	0.	0.	90.0
HLACK COD	0.	0.	35.0	0.	0.	0.
POLLACK	1252.6	0.	25.0	0.	0.	0.
COTTIDS	285.7	404.3	875.0	0.	100.0	100.0
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 RUFISH	25.2	0.	0.	6.7	0.	0.
TOT. RUFISH	1644.5	470.6	1818.7	6.7	100.0	190.0
SHELL FISH						
KING CRB	1600.0	1750.0	3000.0	1266.7	1000.0	950.0
TANNER CRB	142.9	94.5	303.0	26.7	2.0	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	1742.9	1844.5	3303.0	1293.3	1002.0	950.0
UCPS + SWD	0.	0.	0.	0.	0.	0.
ELASMOHRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	4275.9	3457.7	7098.9	1755.6	1547.6	2226.7

HAUL NO. STATION	T151 39M	T152 39N	T153 39M	T154 53M	T155 53O	T156 53P
MO DA YR	072169	072169	072169	080269	080269	080269
W. LONG.	155 30	155 30	155 30	152 00	152 00	152 00
N. LAT.	56 30	56 24	56 30	57 18	57 06	57 00
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	60	60	60	60	55	34
DEPTH MAX.	046	034	046	042	044	044
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	18.0	18.0	6.0	33.0	9.8	0.
NO.GTR 64	9.0	3.0	4.0	3.0	2.2	0.
WT.LESS 65	37.5	17.8	20.8	31.5	16.7	0.
WT.GTR 64	105.6	53.2	44.4	38.3	24.6	0.
TOTAL WT.	143.1	71.0	65.1	69.8	41.3	0.
SOLE+FLFSH						
FLATHEAD	550.0	11.2	859.1	0.	26.2	0.
ROCK	180.0	704.8	365.3	711.9	609.0	0.
REX	6.0	0.	0.	0.	0.	0.
RUTTEK	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	5.0	0.	0.	0.	0.	0.
TURBOT	25.0	39.2	164.8	8.0	58.2	0.
STR FLDR	0.	255.7	0.	21.0	0.	0.
ALA PLAICE	0.	0.	81.0	0.	0.	0.
SAND SOLE	90.0	548.2	146.5	92.3	10.9	0.
PFTRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	856.0	1559.1	1616.7	833.2	704.3	0.
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	150.0	0.	0.	15.0	1131.5	0.
BLACK COD	0.	0.	10.8	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	480.0	312.5	822.9	2174.1	34.4	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	0.	4.6	0.	0.	0.	0.
TOT. RDFS	630.0	317.1	833.7	2189.1	1165.9	0.
SHELL FISH						
KING CRB	1500.0	1875.0	456.8	16.0	98.2	0.
TANNER CRB	70.0	156.7	91.7	0.	65.5	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	1570.0	2031.7	548.5	16.0	163.6	0.
UCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	3199.1	3978.9	3064.0	3108.2	2075.1	0.

HAUL NO. STATION	T157 53P	T158 52S	T159 52O	T160 52O	T161 54O	T162 54P
MO DA YR	080269	080369	080369	080369	080369	080469
W. LONG.	152 00	152 15	152 15	152 15	151 45	151 45
N. LAT.	57 00	56 51	57 03	57 15	57 27	57 33
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	36	31	60	60	13	36
DEPTH MAX.	044	052	042	043	038	094
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	3.9	27.0	22.0	4.6	5.0
NO.GTR 64	1.7	0.	1.0	11.0	4.6	11.7
WT.LESS 65	20.7	5.2	24.9	50.3	1.8	19.9
WT.GTR 64	54.9	0.	23.4	223.8	130.7	113.8
TOTAL WT.	75.6	5.2	48.3	274.1	132.5	133.7
SOLE+FLFSH						
FLATHEAD	8.3	58.1	23.3	30.0	0.	219.0
ROCK	416.7	46.5	620.0	1800.0	553.8	0.
REX	0.	0.	0.	0.	0.	43.3
RUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	4.0	0.	0.	0.
TURBOT	50.0	104.5	124.4	100.0	13.8	703.1
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	0.	0.	0.	160.0	0.	0.
PFTRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	475.0	209.0	771.8	2090.0	567.7	965.5
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	53.3	371.6	0.	0.	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	2241.1
COTTIDS	416.7	673.5	855.0	400.0	692.3	133.3
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	41.7	97.5	155.0	4.0	22.2	6.7
TOT. RDFS	511.7	1142.7	1010.0	404.0	714.5	2381.1
SHELL FISH						
KING CRB	0.	0.	55.0	140.0	0.	23.0
TANNER CRB	0.	0.	72.0	0.	44.3	559.5
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	20.0	0.	0.	0.	0.	0.
TOT. SHFSH	20.0	0.	127.0	140.0	44.3	582.5
UCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	1082.2	1356.9	1957.1	2988.1	1459.0	4062.9

HAUL NO. STATION	T163 540	T164 54N	T165 54M	T166 54L	T167 54K	T16A 55K
MO DA YR	080469	080469	080469	080469	080569	080569
W. LONG.	151 45	151 45	151 45	151 45	151 45	151 30
N. LAT.	57 39	57 45	57 51	57 57	58 03	58 06
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	17	60	60	60	44	43
DEPTH MAX.	030	032	034	054	092	088
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH						
HALIRUT						
NO.LESS 65	7.1	84.0	50.0	33.0	8.2	5.6
NO.GTR 64	3.5	4.0	6.0	5.0	9.5	8.4
WT.LESS 65	5.7	97.8	82.5	80.7	24.4	24.8
WT.GTR 64	36.6	49.6	141.1	74.8	74.2	71.5
TOTAL WT.	42.3	147.4	223.6	155.6	98.6	96.4
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	127.3	753.0	418.6
ROCK	282.4	2273.7	1039.7	123.1	38.2	0.
REX	0.	0.	0.	2.0	0.	0.
HUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	12.0	0.	0.
TURROT	12.7	6.0	6.0	152.7	540.8	627.9
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	0.	0.	753.4	96.0	8.2	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	295.1	2279.7	1799.1	513.1	1340.1	1046.5
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	27.0	37.5	277.9	306.8	1883.7
BLACK COD	0.	0.	0.	45.6	0.	0.
POLLACK	0.	0.	0.	0.	143.2	2720.9
COTTIDS	56.5	814.8	71.4	246.2	30.7	37.7
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 RDFS	0.	24.0	0.	0.	0.	8.4
TOT. RDFS	56.5	865.8	108.9	569.6	480.7	4650.7
SHELL FISH						
KING CRB	16.2	30.0	35.0	25.0	0.	0.
TANNER CRB	39.5	32.7	6.0	165.5	537.4	502.3
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	146.2	0.	0.	40.9	0.
TOT. SHFSH	55.8	208.9	41.0	190.5	578.3	502.3
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	449.6	3501.9	2172.6	1428.8	2497.7	6295.9

HAUL NO. STATION	T169 55L	T170 55M	T171 55N	T172 55Q	T173 55P	T174 55O
MO DA YR	080569	080569	080669	080669	080669	080969
W. LONG.	151 30	151 30	151 30	151 30	151 30	151 30
N. LAT.	58 00	57 54	57 48	57 30	57 36	57 42
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	60	60	34	60	18	3
DEPTH MAX.	039	039	029	087	034	031
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH						
HALIRUT						
NO.LESS 65	54.0	26.0	42.4	5.0	26.7	0.
NO.GTR 64	5.0	12.0	7.1	5.0	10.0	0.
WT.LESS 65	84.7	47.9	69.7	22.1	31.8	0.
WT.GTR 64	90.0	162.3	206.3	85.4	189.0	0.
TOTAL WT.	174.7	210.2	276.0	107.5	220.7	0.
SOLE+FLFSH						
FLATHEAD	18.0	0.	12.4	358.4	100.0	0.
ROCK	2135.7	395.0	1590.2	8.0	2333.3	100.0
REX	0.	0.	0.	93.3	0.	0.
HUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURROT	210.0	60.0	145.6	208.7	56.7	100.0
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	163.6	8.0	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	2527.4	463.0	1748.1	668.4	2490.0	200.0
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	124.9	2266.2	77.2	560.0	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	352.9	0.	0.
COTTIDS	491.7	140.0	433.9	322.0	333.3	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	0.	0.	0.	72.0	0.	0.
TOT. RDFS	616.5	2406.2	511.1	1306.9	333.3	0.
SHELL FISH						
KING CRB	0.	54.4	130.9	30.0	0.	0.
TANNER CRB	132.0	150.0	3.5	127.1	412.2	0.
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	70.0	50.0	0.	0.	0.	0.
TOT. SHFSH	202.0	254.4	134.5	157.1	412.2	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	20.0	0.	600.0
TOT. CATCH	3520.6	3333.8	2669.7	2259.9	3456.3	800.0

HAUL NO.	T175	T176	T177	T17A	T179	T180
STATION	56P	560	56N	56M	56K	57G
MO DA YR	080969	080969	080969	081269	081269	081269
W. LONG.	151 15	151 15	151 15	151 15	151 15	151 00
N. LAT.	57 39	57 45	57 51	57 57	58 09	58 30
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	60	60	39	23	60	5
DEPTH MAX.	037	037	040	044	081	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	35.0	46.0	40.0	2.6	2.0	12.0
NO. GTR 64	8.0	4.0	7.7	0.	1.0	0.
WT. LESS 65	68.8	84.3	106.8	4.7	6.0	21.8
WT. GTR 64	199.9	50.9	328.6	0.	53.8	0.
TOTAL WT.	268.7	135.3	435.3	4.7	59.9	21.8
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	800.0	0.
ROCK	2542.4	2018.2	2940.3	0.	0.	0.
REX	0.	0.	0.	0.	8.0	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	112.0	333.3	236.9	156.5	800.0	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.
PFTRALE	0.	0.	0.	0.	0.	0.
MISC FIFSH	0.	0.	0.	0.	0.	0.
TOT. FIFSH	2654.4	2351.5	3177.2	156.5	1608.0	0.
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	560.0	666.7	0.	1449.3	36.0	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	500.0	0.
COTTIDS	281.0	1007.1	692.3	139.1	200.0	0.
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	26.0	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFS	153.7	21.0	73.8	97.4	20.0	0.
TOT. RDFS	994.7	1694.8	766.2	1685.8	782.0	0.
SHELL FISH						
KING CRB	0.	0.	0.	0.	42.0	0.
TANNER CRB	0.	0.	3.1	0.	520.0	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.	3.1	0.	562.0	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	3917.7	4181.6	4381.8	1847.1	3011.9	21.8

HAUL NO.	T181	T182	T183	T184	T185	T186
STATION	79G	79F	79E	79C	79B	79A
MO DA YR	081569	081569	081569	081569	081569	081569
W. LONG.	145 30	145 30	145 30	145 30	145 30	145 30
N. LAT.	59 36	59 42	59 48	60 00	60 06	60 16
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	47	60	58	60	48	60
DEPTH MAX.	062	062	064	064	072	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	6.4	4.0	3.1	8.0	1.2	39.0
NO. GTR 64	8.9	9.0	0.	2.0	0.	8.0
WT. LESS 65	21.6	15.2	8.4	23.6	3.9	119.5
WT. GTR 64	106.1	106.5	0.	14.9	0.	69.3
TOTAL WT.	127.7	121.7	8.4	38.5	3.9	188.8
SOLE+FLFSH						
FLATHEAD	479.1	838.5	186.2	228.9	169.6	225.0
ROCK	0.	0.	0.	0.	14.9	14.0
REX	95.7	249.2	31.0	153.3	102.0	22.5
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	154.0
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	693.2	940.0	362.1	380.4	296.9	565.8
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	0.	0.	0.	0.	0.	0.
PFTRALE	0.	0.	0.	0.	0.	0.
MISC FIFSH	0.	0.	0.	0.	0.	0.
TOT. FIFSH	1268.1	2027.7	579.3	762.7	583.3	981.3
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	80.4	240.0	0.	0.	465.4	104.0
BLACK COD	0.	0.	36.2	0.	0.	0.
POLLACK	1718.1	1141.2	620.7	0.	338.1	245.0
COTTIDS	0.	0.	0.	0.	8.7	0.
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	144.8	0.	25.4	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFS	0.	0.	0.	0.	0.	0.
TOT. RDFS	1798.6	1381.2	801.7	0.	837.6	349.0
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	106.4	60.0	144.8	231.8	38.2	154.0
DUNGEN CRB	0.	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	106.4	60.0	144.8	231.8	38.2	154.0
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	3300.7	3590.7	1534.2	1033.1	1463.1	1673.1

HAUL NO. STATION	T187 75A	T188 75A	T189 75D	T190 77E	T191 77F	T192 78G
MO DA YR	081869	081869	081869	081969	081969	081969
W. LONG.	146 30	146 30	146 30	146 00	146 00	145 45
N. LAT.	60 12	60 06	59 54	59 54	59 48	59 39
VESSFL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	60	60	14	44	42	42
DEPTH MAX.	079	065	038	056	050	059
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	19.0	4.3	15.0	21.4	11.4
NO.GTR 64	2.0	8.0	0.	8.2	1.4	5.7
WT.LESS 65	8.1	67.8	6.7	42.4	52.1	26.0
WT.GTR 64	20.5	92.6	0.	108.0	10.4	74.1
TOTAL WT.	28.6	160.4	6.7	150.4	62.5	100.0
SOLE+FLFSH						
FLATHEAD	560.0	530.5	21.4	190.9	80.0	90.0
ROCK	0.	18.0	42.9	0.	0.	0.
REX	0.	112.5	2.6	81.8	45.7	8.6
HUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	0.	0.	0.	0.	8.6	14.3
TURROT	1200.0	500.0	47.1	545.5	200.0	70.0
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	1760.0	1161.0	114.0	818.2	334.3	182.9
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	540.0	124.0	0.	190.9	45.7	460.0
BLACK COD	0.	32.0	0.	75.0	8.6	0.
POLLACK	509.1	225.0	16.3	34.1	0.	803.3
COTTIDS	0.	8.0	10.7	0.	0.	0.
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	34.0	0.	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFS	0.	0.	3.4	0.	0.	0.
TOT. RDFS	1083.1	389.0	30.4	300.0	54.3	1263.3
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	101.5	472.2	64.3	10.9	4.6	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	101.5	472.2	64.3	10.9	4.6	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOHRCH	0.	0.	0.	0.	0.	0.
TOT. CATCH	2973.2	2182.7	215.4	1279.5	455.6	1546.2

HAUL NO. STATION	T193 78F	T194 78E	T195 78C	T196 78B	T197 78A	T198 78A
MO DA YR	081969	081969	082069	082069		082069
W. LONG.	145 45	145 45	145 45	145 45		145 45
N. LAT.	59 45	59 51	60 03	60 09		60 15
VESSFL	TONGIN	TONGIN	TONGIN	TONGIN		TONGIN
DURATION	60	60	60	60	0	23
DEPTH MAX.	060	055	055	064		029
NET MESH	3 1/2	3 1/2	3 1/2	3 1/2		3 1/2
CATCH					N TRWL	
HALIBUT						
NO.LESS 65	3.0	11.0	4.0	3.0	0.	15.7
NO.GTR 64	7.0	0.	4.0	9.0	0.	5.2
WT.LESS 65	12.4	28.8	12.8	9.3	0.	31.9
WT.GTR 64	59.1	0.	54.9	75.7	0.	38.8
TOTAL WT.	71.6	28.8	67.7	85.1	0.	70.7
SOLE+FLFSH						
FLATHEAD	148.0	165.8	61.4	269.3	0.	89.4
ROCK	0.	0.	0.	0.	0.	0.
REX	25.0	1.0	43.7	177.8	0.	132.1
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	0.	0.	0.
DOVER	40.0	0.	0.	0.	0.	0.
TURROT	244.4	555.6	380.5	325.7	0.	195.7
STR FLDR	0.	0.	0.	0.	0.	57.4
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	457.4	722.3	485.6	772.8	0.	474.5
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	480.0	53.0	0.	0.	0.	49.6
BLACK COD	40.0	0.	0.	0.	0.	0.
POLLACK	2347.9	20.0	0.	990.0	0.	456.5
COTTIDS	0.	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 RDFS	0.	0.	0.	2.0	0.	0.
TOT. RDFS	2867.9	73.0	0.	992.0	0.	506.1
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	151.7	23.0	150.0	709.1	0.	187.8
DUNGEN CRB	0.	0.	0.	0.	0.	91.3
SHRIMP	0.	0.	0.	2.0	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	151.7	23.0	150.0	711.1	0.	383.5
OCPS + SQD	0.	0.	0.	0.	0.	104.3
ELASMOHRCH	0.	0.	92.0	0.	0.	2006.1
TOT. CATCH	3548.5	847.1	795.2	2561.0	0.	3440.9

HAUL NO.	T199	T200	T201	T202	T203	T204
STATION	77A	76A	76H	77B	81C	81B
MO DA YR	082069	082069	082069	082069	082169	082169
W. LONG.	146 00	146 15	146 15	146 00	145 00	145 00
N. LAT.	60 18	60 15	60 09	60 12	60 00	60 06
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	60	60	60	60	60	60
DEPTH MAX.	023	031	044	063	065	048
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	31.0	55.0	34.0	2.0	4.0	26.0
NO.GTR 64	2.0	13.0	1.0	4.0	4.0	4.0
WT.LESS 65	106.1	171.2	72.9	9.5	15.2	75.1
WT.GTR 64	14.5	112.2	19.1	94.8	60.5	63.2
TOTAL WT.	120.7	283.3	92.0	104.3	75.7	138.3
SOLE+FLFSH						
FLATHEAD	40.0	391.1	65.0	50.0	400.0	241.9
ROCK	0.	12.0	0.	0.	0.	0.
REX	171.4	73.3	4.0	150.0	80.0	0.
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	83.3	70.0	0.	0.	0.	0.
ENGLISH	116.7	501.1	0.	0.	0.	0.
DOVER	0.	0.	8.0	0.	10.0	0.
TURROT	33.3	216.0	245.9	250.0	450.0	337.5
STR FLDR	516.7	1178.1	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	136.0	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	1097.4	2441.6	322.9	450.0	940.0	579.4
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	10.0	56.0	337.5	0.	30.0	168.0
BLACK COD	0.	0.	0.	0.	0.	13.0
POLLACK	0.	262.5	0.	250.0	75.0	0.
COTTIDS	0.	0.	0.	0.	0.	1.0
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	0.	4.0	2.0	0.	0.	0.
TOT. RDFS	10.0	322.5	339.5	250.0	105.0	182.0
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	0.	0.	168.7	450.0	250.0	123.7
DUNGEN CRB	75.0	54.0	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	20.0	5.0	0.	0.
TOT. SHFSH	75.0	54.0	188.7	455.0	250.0	123.7
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	0.	0.	500.0	120.0	0.
TOT. CATCH	1303.1	3101.5	943.2	1759.3	1490.7	1023.4

HAUL NO.	T205	T206	T207	T208	T209	T210
STATION	80A	80R	80C	80D	80E	82D
MO DA YR	082169	082169	082169	082169	082269	082269
W. LONG.	145 15	145 15	145 15	145 15	145 15	145 45
N. LAT.	60 09	60 03	59 57	59 51	59 45	59 51
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	60	60	50	60	60	60
DEPTH MAX.	031	072	067	078	084	066
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	129.0	1.0	1.2	1.0	2.0	1.0
NO.GTR 64	7.0	5.0	4.8	3.0	1.0	1.0
WT.LESS 65	222.8	0.8	4.4	2.7	3.6	2.6
WT.GTR 64	57.4	62.1	127.1	109.2	53.8	19.8
TOTAL WT.	280.3	62.9	131.5	111.9	57.4	22.4
SOLE+FLFSH						
FLATHEAD	132.0	180.0	110.0	607.1	187.5	608.5
ROCK	8.0	0.	0.	0.	0.	0.
REX	30.0	10.0	5.4	97.8	115.0	35.0
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	136.2	0.	0.	0.	0.	126.0
DOVER	0.	0.	0.	70.0	100.0	0.
TURROT	242.9	220.0	253.5	586.7	512.0	431.8
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	9.0	0.	0.	0.	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	558.0	410.0	368.9	1361.6	914.5	1201.3
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	29.0	700.0	460.0	0.	0.	366.7
BLACK COD	17.0	0.	0.	0.	0.	36.0
POLLACK	0.	1780.0	1800.0	185.0	21.0	300.0
COTTIDS	0.	0.	0.	0.	0.	6.0
IDIOTS	0.	0.	0.	18.0	96.0	30.0
OC. PERCH	0.	74.0	110.0	0.	0.	42.0
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFS	0.	0.	0.	12.0	0.	0.
TOT. RDFS	46.0	2554.0	2370.0	215.0	117.0	780.7
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	0.	70.0	240.0	855.6	378.9	350.0
DUNGEN CRB	14.0	0.	0.	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	14.0	70.0	240.0	855.6	378.9	350.0
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	166.7	0.	0.	50.0	0.	0.
TOT. CATCH	1065.0	3096.9	3110.4	2594.1	1467.9	2354.3

HAUL NO. STATION	T211 83B	T212 83A	T213 82A	T214 82B	T215 82C	T216 82E
MO DA YR		082269	082269	082369	082369	082369
W. LONG.		144 30	144 45	144 45	144 45	144 45
N. LAT.		60 06	60 09	60 03	59 57	59 45
VESSEL		TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	0	45	60	34	60	60
DEPTH MAX.		011	021	012	013	053
NET MESH		3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CATCH	N TRWL					
HALIBUT						
NO.LESS 65	0.	14.7	25.0	1.8	0.	5.0
NO.GTR 64	0.	2.7	3.0	0.	1.0	4.0
WT.LESS 65	0.	27.9	44.1	0.8	0.	15.6
WT.GTR 64	0.	52.4	46.7	0.	33.9	72.1
TOTAL WT.	0.	80.4	90.8	0.8	33.9	87.6
SOLE+FLFSH						
FLATHEAD	0.	5.3	0.	8.5	50.0	63.0
ROCK	0.	0.	18.0	0.	0.	0.
REX	0.	2.7	0.	77.6	102.1	174.1
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	3.0	0.	0.	0.
ENGLISH	0.	13.3	2.0	0.	0.	598.4
DOVER	0.	0.	0.	0.	36.0	192.5
TURBOT	0.	0.	8.0	12.0	243.7	683.3
STR FLDR	0.	48.0	23.0	0.	0.	0.
ALA PLAICE	0.	0.	13.0	0.	0.	0.
SAND SOLE	0.	133.3	5.0	3.5	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	0.	202.7	72.0	101.6	431.9	1711.3
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	4.0	26.0	19.1	70.0	91.7
BLACK COD	0.	0.	0.	0.	0.	57.0
POLLACK	0.	0.	0.	0.	48.0	100.0
COTTIDS	0.	12.0	4.0	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 RDFS	0.	1.3	0.	0.	0.	0.
TOT. RDFS	0.	17.3	30.0	19.1	118.0	248.7
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	0.	0.	0.	247.1	556.8	428.6
DUNGEN CRB	0.	90.7	15.0	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	105.0
TOT. SHFSH	0.	90.7	15.0	247.1	556.8	533.6
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	693.3	500.0	0.	0.	0.
TOT. CATCH	0.	1084.4	707.8	368.5	1140.6	2581.1

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HAUL NO. STATION	T217 83D	T218 80B	T219 80B	T220 80A	T221 80A	T222 81C
MO DA YR	082369	082469	082469	082469	082469	082569
W. LONG.	144 30	145 15	145 15	145 15	145 15	145 00
N. LAT.	59 48	60 03	60 03	60 09	60 09	60 00
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	60	60	60	60	60	60
DEPTH MAX.	056	072	072	031	031	065
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	0.	0.	89.0	83.0	1.0
NO.GTR 64	7.0	1.0	1.0	4.0	6.0	2.0
WT.LESS 65	4.1	0.	0.	168.5	127.6	5.7
WT.GTR 64	109.6	15.4	6.3	51.4	98.3	16.4
TOTAL WT.	113.7	15.4	6.3	219.9	226.0	22.1
SOLE+FLFSH						
FLATHEAD	0.	174.0	322.0	210.0	177.8	523.9
ROCK	0.	0.	0.	0.	0.	0.
REX	45.0	66.0	115.0	45.0	4.0	56.9
BUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	18.0	0.	0.	240.0	178.1	12.0
DOVER	52.5	19.2	9.0	0.	8.0	28.0
TURBOT	347.0	240.0	406.0	180.0	265.4	497.9
STR FLDR	0.	0.	0.	0.	56.0	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	0.	0.	0.	6.0	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	462.5	499.2	852.0	681.0	689.3	1118.6
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	162.0	69.0	200.0	70.0	46.0	180.0
BLACK COD	0.	0.	0.	0.	10.0	0.
POLLACK	122.5	180.0	393.7	0.	0.	3.6
COTTIDS	0.	0.	12.5	0.	0.	8.0
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	0.	0.	0.	20.0	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFS	0.	0.	0.	0.	0.	0.
TOT. RDFS	284.5	249.0	606.2	70.0	76.0	191.6
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	80.0	132.0	161.5	13.0	0.	668.9
DUNGEN CRB	0.	0.	0.	70.0	195.6	37.5
SHRIMP	0.	0.	1.0	0.	0.	0.
SCALLOP	170.0	9.0	0.	0.	0.	0.
TOT. SHFSH	250.0	141.0	162.5	83.0	195.6	706.4
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOBRCH	0.	30.0	175.0	0.	300.0	0.
TOT. CATCH	1110.7	934.6	1802.1	1053.9	1486.8	2038.7

HAUL NO.	T223	T224	T225	T226	T227	T228
STATION	81B	81C	81R	2A	1A	4A
MO DA YR	082569	082569	082569	082669	082669	082669
W. LONG.	145 00	145 00	145 00	144 32	144 31	144 31
N. LAT.	60 06	60 00	60 06	59 54	59 54	59 54
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	60	60	60	15	15	15
DEPTH MAX.	046	066	046	014	012	020
NET MESH	3 1/2	3 1/2	3 1/2	1 1/4	1 1/4	1 1/4
CATCH						
HALIBUT						
NO.LFSS 65	60.0	1.0	24.0	324.0	908.0	252.0
NO.GTR 64	4.0	4.0	14.0	0.	0.	4.0
WT.LESS 65	162.9	5.7	60.4	143.7	208.8	203.1
WT.GTR 64	57.0	68.7	116.8	0.	0.	33.4
TOTAL WT.	219.9	74.4	177.2	143.7	208.8	236.5
SOLE+FLFSH						
FLATHEAD	225.3	530.0	111.2	0.	0.	20.0
ROCK	0.	0.	20.0	48.0	60.0	24.0
REX	6.0	70.0	0.	374.1	100.0	141.7
RUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	8.0	6.0
ENGLISH	18.0	36.0	38.0	101.3	220.0	196.0
DOVER	0.	38.0	0.	8.0	0.	11.2
TURBOT	432.0	565.3	602.6	10.0	12.0	44.0
STR FLDR	0.	0.	0.	0.	0.	28.0
ALA PLAICE	0.	0.	0.	20.0	44.0	76.0
SAND SOLE	0.	0.	0.	275.0	960.0	4.0
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	681.3	1239.3	771.7	836.5	1404.0	550.9
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	0.	0.	0.	600.9	180.0	1133.0
BLACK COD	9.0	36.0	18.0	64.0	0.	314.3
POLLACK	0.	44.0	0.	0.	0.	0.
COTTIDS	0.	2.0	0.	48.0	20.0	32.0
IDIOTS	0.	0.	0.	0.	0.	0.
OC. PERCH	0.	64.0	0.	0.	0.	0.
ROCKFISH	0.	0.	0.	0.	0.	0.
GRENADIER	0.	0.	0.	0.	0.	0.
MISC RDFS	0.	0.	0.	4.0	4.0	8.0
TOT. RDFS	9.0	146.0	18.0	716.9	204.0	1487.3
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	180.0	614.4	188.6	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	180.0	614.4	188.6	0.	0.	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOHRCH	0.	0.	0.	0.	0.	200.0
TOT. CATCH	1090.3	2074.2	1155.5	1697.0	1816.8	2474.7

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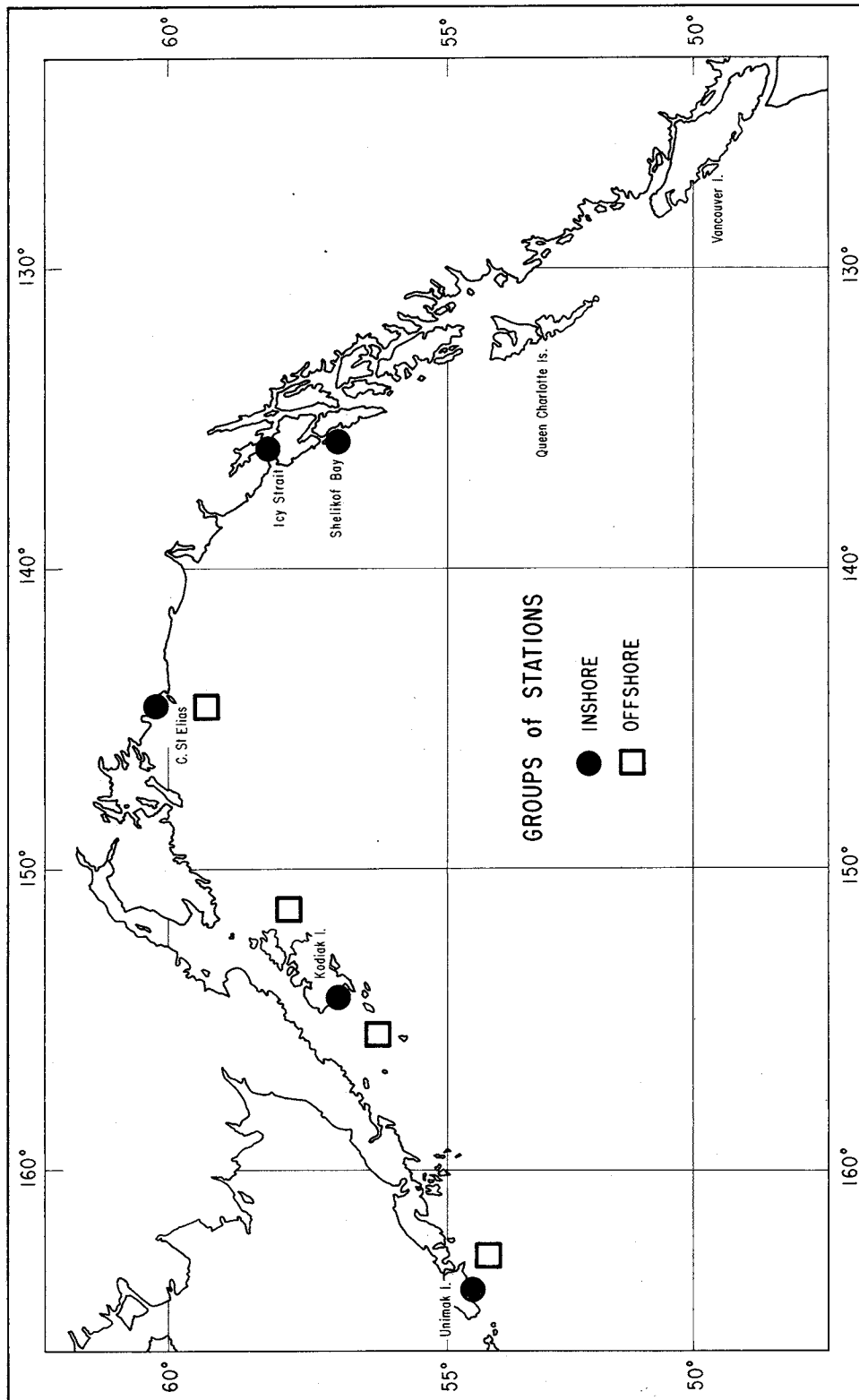
HAUL NO.	T229	T230	T231	T232	T233	T234
STATION	3A	5A	2R	5B	3B	4B
MO DA YR	082669	082669	082669	082769	082769	082769
W. LONG.	144 31	144 35	144 32	144 35	144 32	144 33
N. LAT.	59 54	59 54	59 54	59 54	59 54	59 54
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	15	15	15	15	15	15
DEPTH MAX.	023	030	014	030	023	020
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	96.0	124.0	604.0	36.0	260.0	340.0
NO.GTR 64	12.0	8.0	0.	4.0	0.	4.0
WT.LESS 65	125.7	171.9	220.4	80.4	276.4	181.3
WT.GTR 64	103.7	50.4	0.	41.5	0.	26.4
TOTAL WT.	229.4	222.3	220.4	121.9	276.4	207.8
SOLE+FLFSH						
FLATHEAD	0.	260.0	0.	120.0	10.7	0.
ROCK	108.0	0.	0.	0.	80.0	0.
REX	52.0	48.0	304.6	60.0	119.1	1176.2
RUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	100.0	0.	34.3	0.	160.0	66.7
ENGLISH	280.0	400.0	69.1	0.	101.3	200.0
DOVER	8.0	8.0	14.0	0.	8.0	20.0
TURBOT	280.0	600.0	18.0	300.0	893.0	138.9
STR FLDR	0.	0.	88.0	0.	0.	0.
ALA PLAICE	64.0	0.	0.	0.	160.0	0.
SAND SOLE	16.0	0.	815.1	40.0	42.0	30.0
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	908.0	1316.0	1343.1	520.0	1574.1	1631.8
ROUND FISH						
LING COD	0.	0.	0.	0.	0.	0.
TRUE COD	380.0	720.0	1693.2	600.0	476.6	2070.9
BLACK COD	440.0	272.0	0.	120.0	360.0	280.0
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	0.	0.	60.0	24.0	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 RDFS	8.0	0.	8.0	20.0	0.	8.0
TOT. RDFS	828.0	992.0	1761.2	764.0	836.6	2358.9
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	0.	0.	0.	0.	0.	0.
DUNGEN CRB	0.	0.	0.	48.0	56.0	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	0.	0.	0.	48.0	56.0	0.
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOHRCH	580.0	268.0	0.	0.	0.	0.
TOT. CATCH	2545.4	2798.3	3324.7	1453.9	2743.1	4198.5

HAUL NO. STATION	T235 1B	T236 5A	T237 1A	T23A 4A	T239 2A	T240 3A
MO DA YR	082769	090169	090169	090169	090169	090169
W. LONG.	144 33	135 49	139 49	135 48	135 48	135 47
N. LAT.	59 54	57 08	57 09	57 10	57 09	57 08
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	15	15	15	15	15	15
DEPTH MAX.	012	021	016	015	014	013
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	1456.0	24.0	12.0	40.0	0.	52.0
NO. GTR 64	12.0	0.	0.	0.	0.	0.
WT. LESS 65	391.9	35.7	9.0	20.2	0.	24.7
WT. GTR 64	101.3	0.	0.	0.	0.	0.
TOTAL WT.	493.1	35.7	9.0	20.2	0.	24.7
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	0.	0.
ROCK	81.7	300.0	88.0	92.0	20.0	241.2
REX	18.0	0.	0.	0.	0.	0.
RUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	0.	8.0	14.0	18.0
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	8.0	0.4	0.4	1.2	4.0	0.
STR FLDR	0.	0.	0.	38.0	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	640.0	0.	4.0	52.0	40.0	156.0
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	747.7	300.4	92.4	191.2	78.0	415.2
ROUND FISH						
LING COD	0.	112.0	0.	52.0	132.0	0.
TRUE COD	8.0	0.	0.	0.	0.	6.0
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	72.0	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 RDFS	0.	0.	0.	0.	0.	0.
TOT. RDFS	80.0	112.0	0.	52.0	132.0	6.0
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	0.	0.	0.	0.	0.	0.
DIINGEN CRB	0.	0.	0.	0.	0.	37.2
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	0.	0.	0.	0.	0.	37.2
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOHRCH	0.	0.	0.	0.0	0.	0.
TOT. CATCH	1320.9	448.1	101.4	343.4	210.0	483.1

HAUL NO. STATION	T241 5B	T242 1B	T243 4B	T244 2B	T245 3B	T246 5C
MO DA YR	090269	090269	090269	090269	090269	090269
W. LONG.	135 49	139 49	135 48	135 48	135 47	135 50
N. LAT.	57 08	57 09	57 10	57 09	57 05	57 08
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	15	15	15	15	15	15
DEPTH MAX.	021	022	015	014	013	021
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	28.0	4.0	4.0	72.0	60.0	12.0
NO. GTR 64	0.	0.	0.	0.	0.	0.
WT. LESS 65	52.1	0.0	0.0	18.6	24.0	8.3
WT. GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	52.1	0.0	0.0	18.6	24.0	8.3
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	0.	0.	0.
ROCK	140.0	6.0	32.0	68.0	128.0	264.0
REX	0.4	0.	0.	0.	0.	0.
RUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.	1.2	0.	4.0	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.4	0.	0.4	0.	0.	0.
STR FLDR	0.	0.	0.	0.	43.2	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	18.0	4.0	16.0	10.0	36.0	6.4
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	1.2	0.	0.
TOT. FTFSH	158.8	10.0	49.6	79.2	211.2	270.4
ROUND FISH						
LING COD	0.	0.	0.	48.0	0.	0.
TRUE COD	0.	0.	0.	0.	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	0.	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 RDFS	0.	0.	0.	0.4	0.4	0.
TOT. RDFS	0.	0.	0.	48.4	0.4	0.
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	0.	0.	0.	0.	0.	0.
DIINGEN CRB	12.0	12.4	0.	2.0	10.0	12.8
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	12.0	12.4	0.	2.0	10.0	12.8
OCPS + SQD	0.	0.	0.	0.	0.	0.
ELASMOHRCH	48.0	0.	0.	0.	0.	0.
TOT. CATCH	270.9	22.4	49.6	148.2	245.6	291.5

HAUL NO. STATION	T247 1C	T24A 4C	T249 2C	T250 3C	T251 5D	T252 1D
MO DA YR	090269	090269	090269	090269	090369	090369
W. LONG.	139 50	135 48	135 48	135 47	135 50	139 49
N. LAT.	57 09	57 10	57 09	57 07	57 08	57 09
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN	TONGIN
DURATION	15	15	15	15	15	15
DEPTH MAX.	022	015	014	013	021	022
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	28.0	12.0	24.0	28.0	36.0	28.0
NO. GTR 64	0.	0.	0.	0.	0.	4.0
WT. LESS 65	36.7	1.7	1.1	19.7	31.4	0.2
WT. GTR 64	0.	0.	0.	0.	0.	24.0
TOTAL WT.	36.7	1.7	1.1	19.7	31.4	24.2
SOLE+FLFSH						
FLATHEAD	0.	40.0	0.	0.	0.	0.
ROCK	52.0	0.	56.0	112.0	142.8	108.0
REX	0.4	0.	0.	0.	0.4	0.
RUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	0.	0.8	1.6	8.0	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.4	0.	0.	0.	0.4	0.4
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	8.0	24.0	44.0	88.0	4.0	76.0
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	60.8	64.8	101.6	208.0	147.6	184.4
ROUND FISH						
LING COD	72.0	48.0	68.0	0.	0.	0.
TRUE COD	0.	0.	0.	0.	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	0.	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 RDFS	0.	0.	0.	0.4	0.	2.0
TOT. RDFS	72.0	48.0	68.0	0.4	0.	2.0
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	0.	0.	0.	0.	0.	0.
DUNGEN CRB	14.0	44.0	24.0	22.0	7.2	16.0
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	14.0	44.0	24.0	22.0	7.2	16.0
UCPS + SOD	0.	0.	0.	0.	0.	0.
ELASMOHRCH	0.	48.0	0.	0.	0.	0.
TOT. CATCH	183.5	206.5	194.7	250.1	186.2	226.6

HAUL NO. STATION	T253 4D	T254 2D	T255 3D	T256 6		
MO DA YR	090369	090369	090369	090369	000 00	000 00
W. LONG.	135 48	135 48	135 48	135 47	00 00	00 00
N. LAT.	57 09	57 09	57 09	57 07	00 00	00 00
VESSEL	TONGIN	TONGIN	TONGIN	TONGIN		
DURATION	15	15	15	15	0	0
DEPTH MAX.	015	014	013	033		
NET MESH	1 1/4	1 1/4	1 1/4	1 1/4		
CATCH						
HALIBUT						
NO. LESS 65	56.0	12.0	56.0	28.0	0.	0.
NO. GTR 64	0.	0.	0.	0.	0.	0.
WT. LESS 65	31.1	5.9	8.0	64.0	0.	0.
WT. GTR 64	0.	0.	0.	0.	0.	0.
TOTAL WT.	31.1	5.9	8.0	64.0	0.	0.
SOLE+FLFSH						
FLATHEAD	0.	0.	0.	4.0	0.	0.
ROCK	160.0	56.0	172.0	40.0	0.	0.
REX	0.	0.	0.	0.	0.	0.
RUTTER	0.	0.	0.	0.	0.	0.
YELLOWFIN	0.	0.	0.	0.	0.	0.
ENGLISH	4.8	0.4	4.0	0.	0.	0.
DOVER	0.	0.	0.	0.	0.	0.
TURBOT	0.8	0.	0.	0.	0.	0.
STR FLDR	0.	0.	0.	0.	0.	0.
ALA PLAICE	0.	0.	0.	0.	0.	0.
SAND SOLE	56.0	16.0	80.0	0.8	0.	0.
PETRALE	0.	0.	0.	0.	0.	0.
MISC FTFSH	0.	0.	0.	0.	0.	0.
TOT. FTFSH	221.6	72.4	256.0	44.8	0.	0.
ROUND FISH						
LING COD	168.0	0.	0.	0.	0.	0.
TRUE COD	0.	0.	4.0	0.	0.	0.
BLACK COD	0.	0.	0.	0.	0.	0.
POLLACK	0.	0.	0.	0.	0.	0.
COTTIDS	0.	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 RDFS	0.	0.4	0.4	0.	0.	0.
TOT. RDFS	168.0	0.4	4.4	0.	0.	0.
SHELL FISH						
KING CRB	0.	0.	0.	0.	0.	0.
TANNER CRB	0.	0.	0.	0.	0.	0.
DUNGEN CRB	23.2	28.0	6.8	0.	0.	0.
SHRIMP	0.	0.	0.	0.	0.	0.
SCALLOP	0.	0.	0.	0.	0.	0.
TOT. SHFSH	23.2	28.0	6.8	0.	0.	0.
UCPS + SOD	0.	0.	0.	0.	0.	0.
ELASMOHRCH	0.	28.0	36.0	120.0	0.	0.
TOT. CATCH	443.9	134.7	311.2	228.8	0.	0.



Appendix Figure 1 LOCATION OF INSHORE AND OFFSHORE STUDY AREAS