Northwest and Alaska Fisheries Center

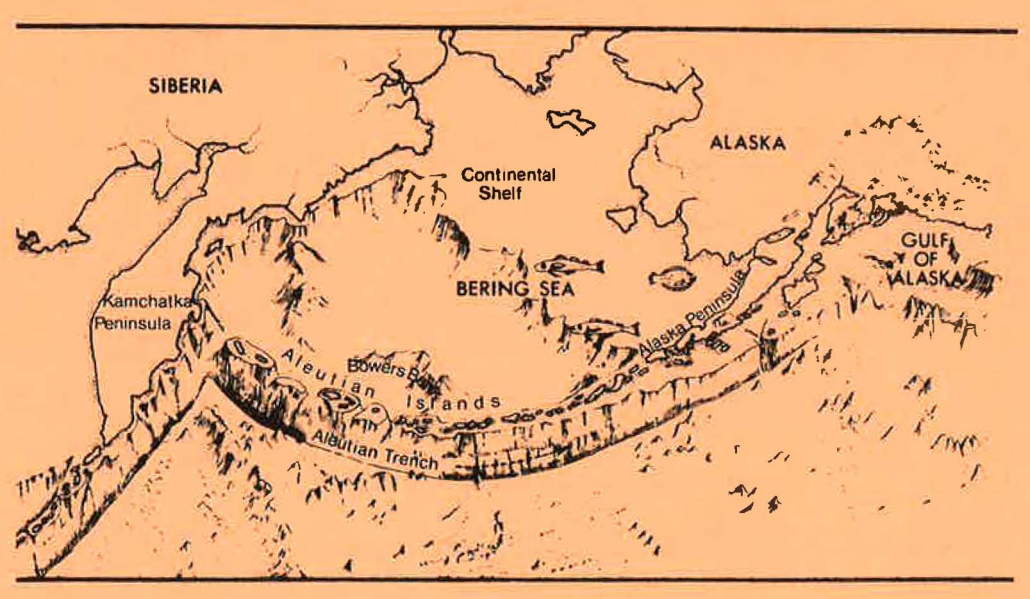
National Marine Fisheries Service

U.S. DEPARTMENT OF COMMERCE

NWAFC PROCESSED REPORT 88-01

Report to Industry on Results of the 1987 Eastern Bering Sea Groundfish Survey

January 1988



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REPORT TO INDUSTRY ON RESULTS OF THE 1987 EASTERN BERING SEA GROUNDFISH SURVEY

By

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TABLE OF CONTENTS

Section	Page
INTRODUCTION	1
METHODS	2
RESULTS	4
Walleye pollock	7
Pacific cod	9
Yellowfin sole	11
Rock sole	13
Flathead sole	15
Alaska plaice	17
Arrowtooth flounder	19
Greenland turbot	21
APPENDIX	
Station, haul, and catch data	23

REPORT TO INDUSTRY ON RESULTS OF THE 1987 EASTERN BERING SEA GROUNDFISH SURVEY

INTRODUCTION

The purpose of this report is to provide timely information to the U.S. fishing industry and other interested parties on catch rates and average lengths of commercially important groundfish encountered during the 1987 summer groundfish assessment survey in the eastern Bering Sea. The survey was conducted by the Resource Assessment and Conservation Engineering (RACE) Division of the Northwest and Alaska Fisheries Center (NWAFC). This information has previously been made available in the form of nautical chart overlays. It is hoped that users will find the new format more convenient.

This report contains a brief description of survey methods and figures illustrating the distribution and size composition of commercially important species of groundfish. Species included are walleye pollock, Pacific cod, yellowfin sole, rock sole, flathead sole, Alaska plaice, arrowtooth flounder, and Greenland turbot.

A similar report (NWAFC Processed Report 87-18 entitled "Report to industry on the 1987 eastern Bering Sea Crab Survey") has been prepared for species of crab by personnel of the Kodiak Facility of the NWAFC. Copies are available upon request to the NWAFC.

METHODS

The 1987 Bering Sea groundfish survey began on May 23 and ended August 8. The survey area, which has been sampled annually since 1979, extends over a large part of the eastern Bering Sea continental shelf and encompasses a major portion of the distributions of commercially important groundfish species (Fig. 1). The survey began in Bristol Bay and progressed westward to the shelf edge with the two survey vessels fishing alternate columns of stations.

Vessels involved in the 1987 survey were the chartered vessels R/V Alaska and the F/V Pat San Marie. Characteristics of these vessels are given below.

Table 1.--Vessels participating in the 1987 Bering Sea groundfish survey.

Vessel	Overall length(ft)	Gross tonnage	Horsepower	Survey period start	Survey period finish
Alaska	100	219.0	600	May 23	Aug. 2
Pat San Marie	101	200.0	765	May 30	Aug. 8

The 83-112 eastern trawl was the standard sampling gear for both vessels. The length of the footrope was 112 feet and the headrope 83 feet. Mesh sizes were 4.0 inches in the wings and body and 3.5 inches in the intermediate and codend. The codend had a liner of 1.25-inch mesh. The trawl width (distance between

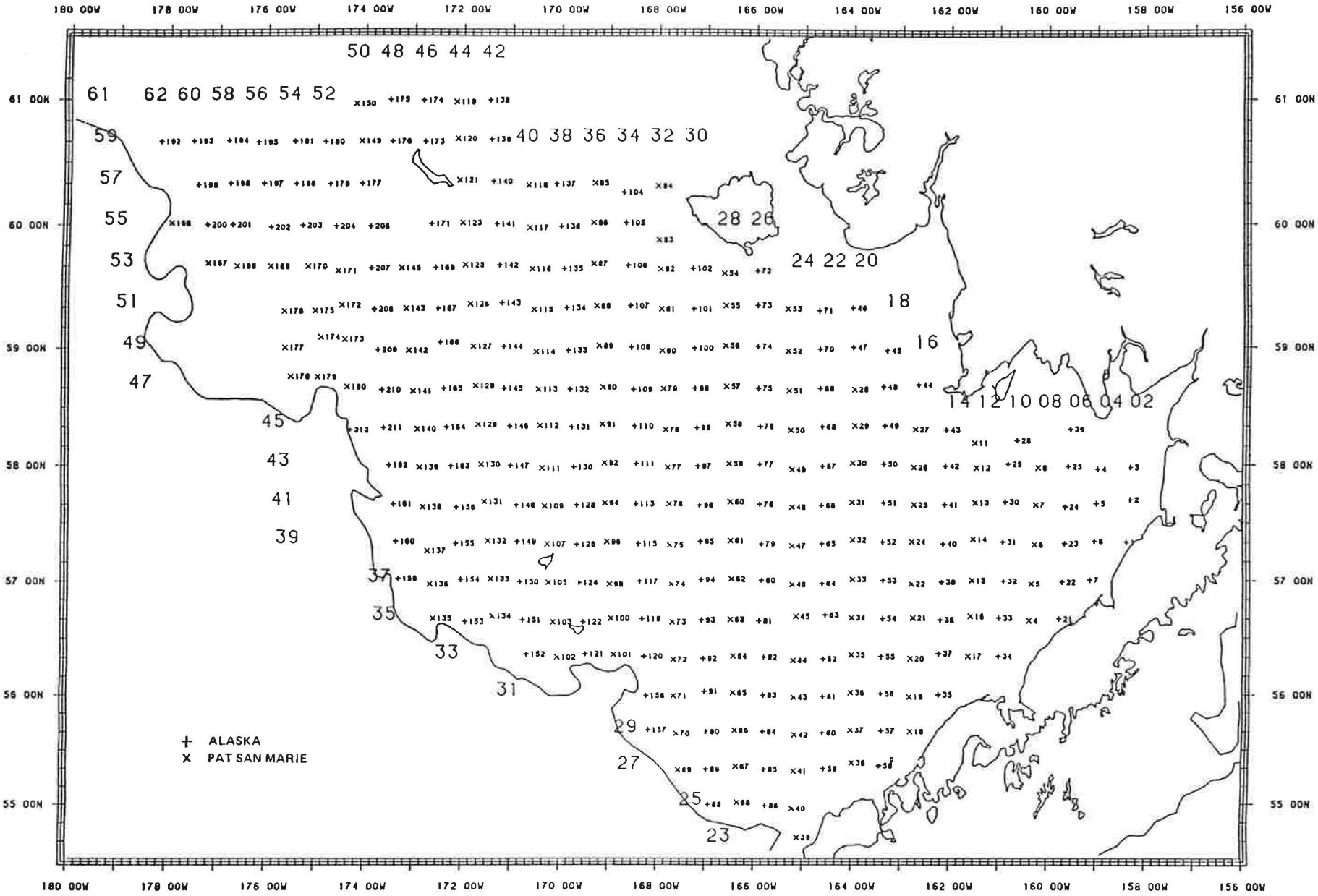

Figure 1.--Stations fished during the 1987 summer groundfish survey in the eastern Bering Sea.

the wings while fishing) as determined by net mensuration instruments was 53.8 feet for trawls fished from the Alaska. At depths less than or equal to 55 fathoms the effective path width of the Pat San Marie trawl was 54.7 feet and at depths greater than 55 fathoms this measurement was 58.4 feet. The average vertical opening of the trawl for both vessels was 7.5 feet. The vessels used 6 feet by 9 feet steel V-doors and double 30-fathom dandylines with 24-inch chain extensions between the lower dandylines and the footrope.

Tows were 30 minutes in duration, but catch weights are reported in units of pounds per hour as in previous issues of this report. Sampling density was one station per 400 square nautical miles. For the purposes of this report, only stations which were satisfactorily completed (ie. total catch brought aboard and weighed) and which were located near the center of the 400 square nautical mile grid were used.

Catches weighing less than 2,500 pounds were dumped directly onto a sorting table and sorted to individual species and each species then weighed and counted. A random sample of up to 300 fish of commercially important species was collected at each station for length measurements. Catches weighing more than 2,500 pounds were dumped into a splitting bin which was partially lined with a cargo net. A representative subsample was extracted from the splitting bin with the cargo net and processed as described above. The numbers and weights of each species in these subsamples were later expanded to the total catch.

RESULTS

Catch rates in pounds per hour trawled for individual species of groundfish are shown in the even-numbered figures 2-16 and average lengths in the odd-numbered figures 3-17. There were often fewer stations with average length data than catch data because small catches of some species were not measured.

Stations are arranged in a grid of numbered rows and columns and may be identified accordingly. For example, the station located at the intersection of row 23 and column 24 is designated as 2324. These identification numbers can then be used to locate detailed position (latitude, longitude, and LORAN coordinates) and catch data for individual stations. This information is compiled in the appendix which follows the catch rate and average length figures. The stations are ordered numerically in the appendix starting from the southern corner of the survey area with row 23.

Average lengths for the groundfish species covered in this report have been reported in previous industry reports since 1984. Table 2 shows trends in size composition for these species.

In using the catch rate and average length figures, it should be kept in mind that the surveyed area does not encompass the full geographic and depth range of some species. For most of the species for which data is presented, the survey area covers the major portion of their distributions in the eastern Bering Sea. In the case of arrowtooth flounder and Greenland turbot,

however, most of the adult populations occupy continental slope waters (greater than 100 fathoms) which were not sampled. The catch rates shown for these species, therefore, represent only the juvenile portion of the populations found at shelf depths. The distributions of these as well as other commercially important species of groundfish in continental slope waters will be covered in a later report to industry.

Table 2.--Average lengths (inches) of commercially important eastern Bering Sea groundfish species as determined from four years of summer survey data.

SPECIES	1984	1985	1986	1987
Pollock	16.7	12.5	14.5	16.5
Pacific cod	17.4	15.7	16.4	17.8
Yellowfin sole	10.2	10.3	10.2	10.3
Rock sole	9.1	9.3	8.8	9.5
Flathead sole	9.7	10.1	10.7	10.7
Alaska plaice	13.5	13.7	13.6	14.0
Arrowtooth fl.	12.5	13.2	13.0	13.2
Greenland turbot	16.9	14.2	13.1	16.3

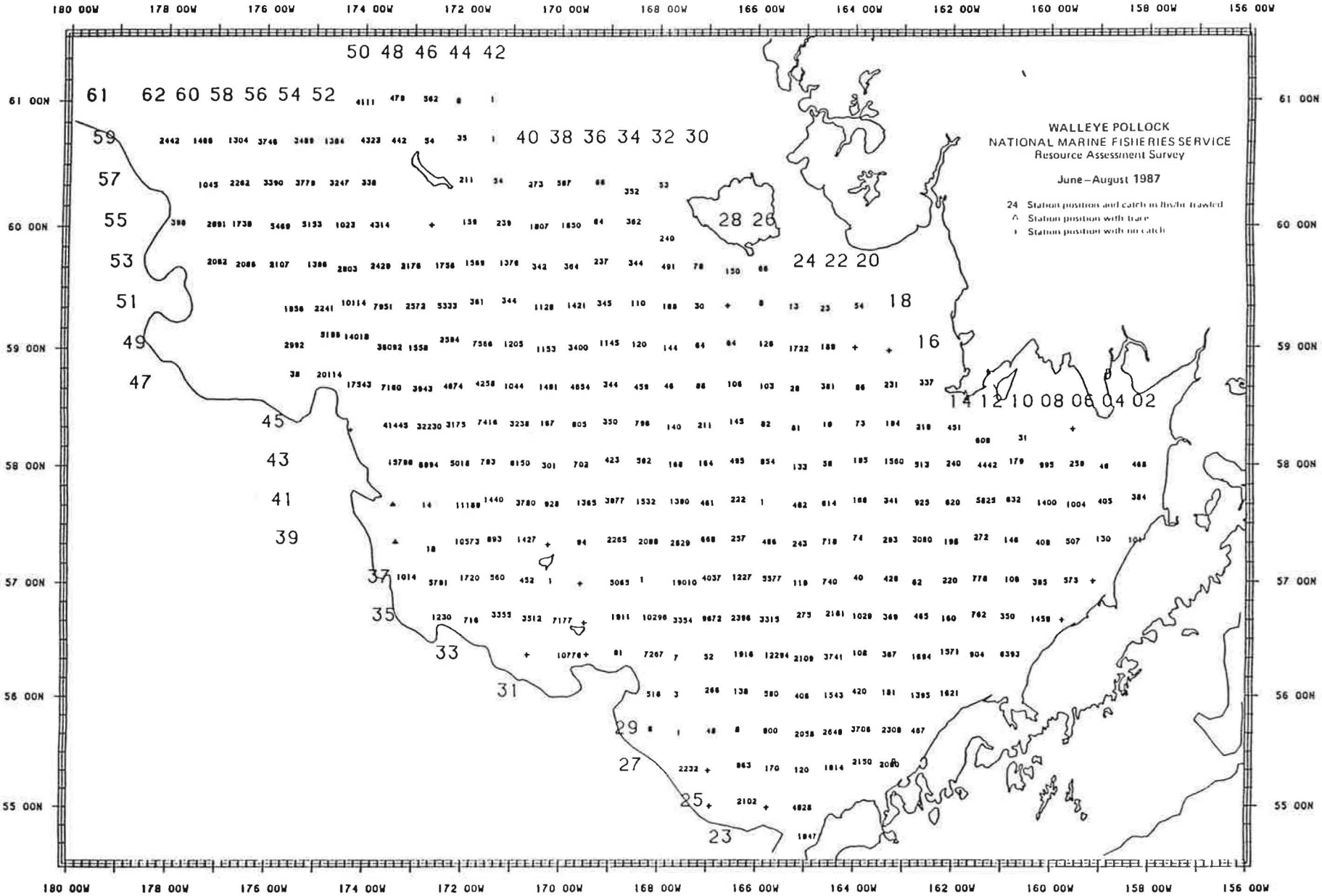

Figure 2.--Catches of walleye pollock (lb/hr) during the 1987 eastern Bering Sea summer groundfish survey.

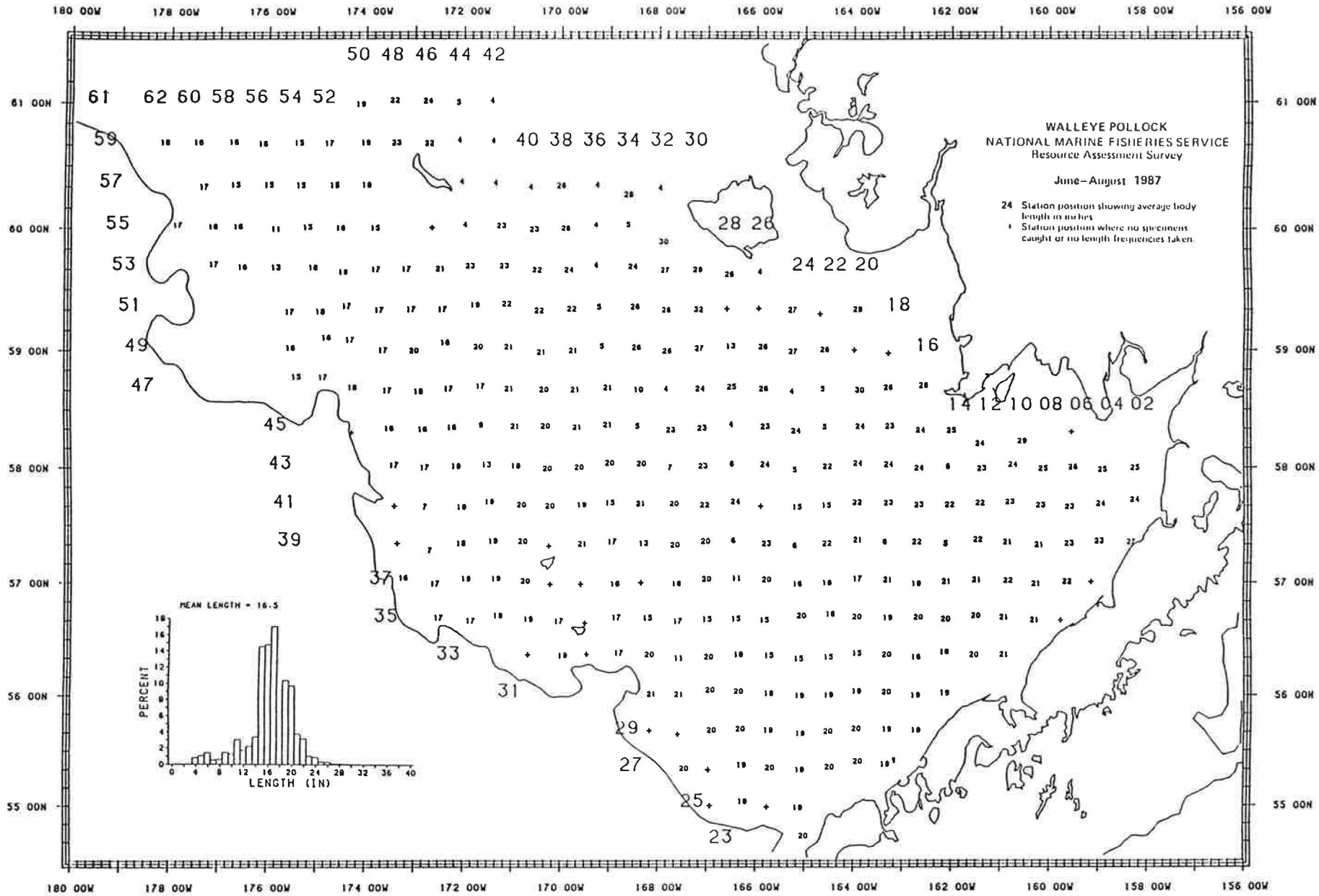

Figure 3.--Average lengths of walleye pollock taken during the 1987 eastern Bering Sea summer groundfish survey.

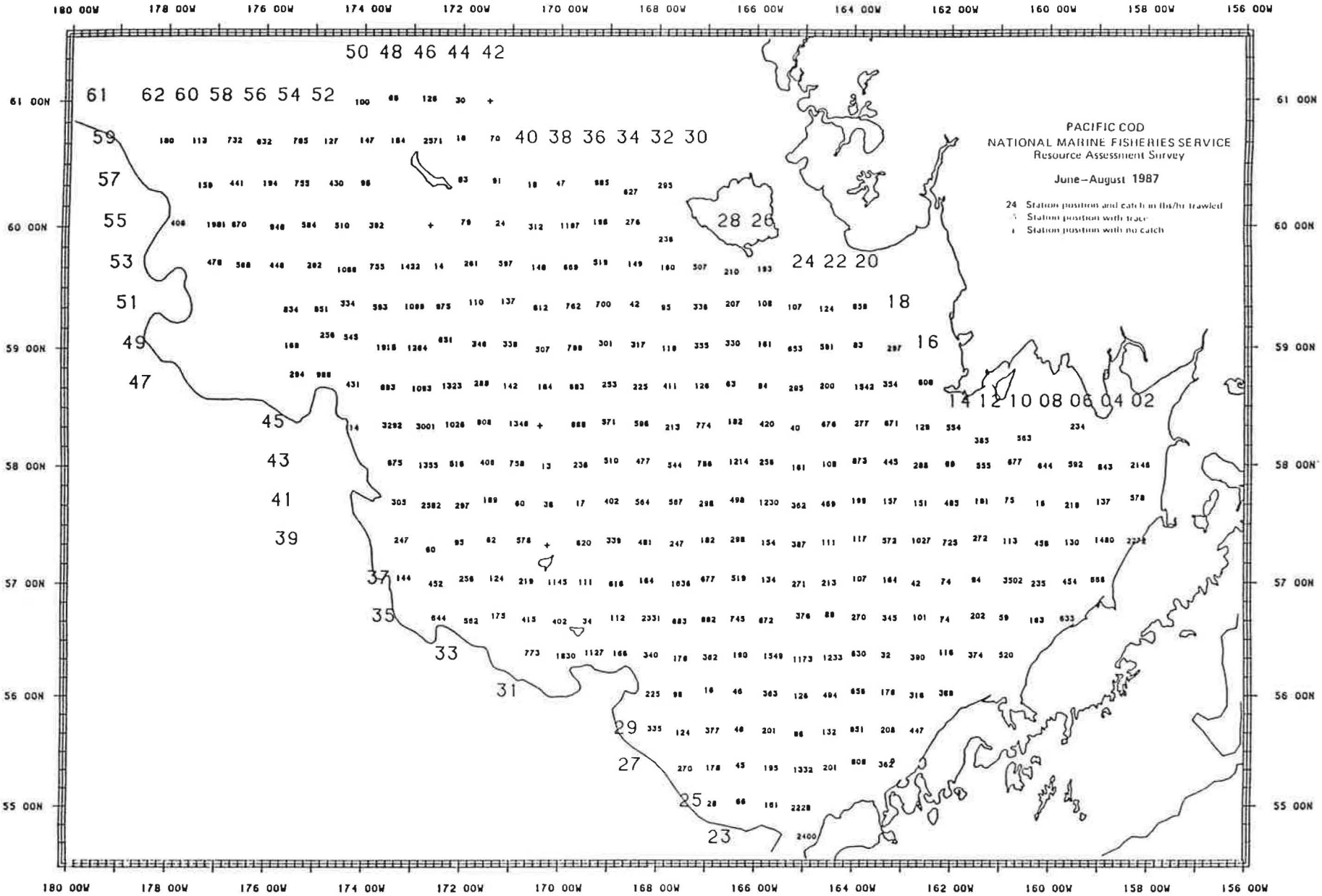

Figure 4.--Catches of Pacific cod (lb/hr) during the 1987 eastern Bering Sea summer groundfish survey.

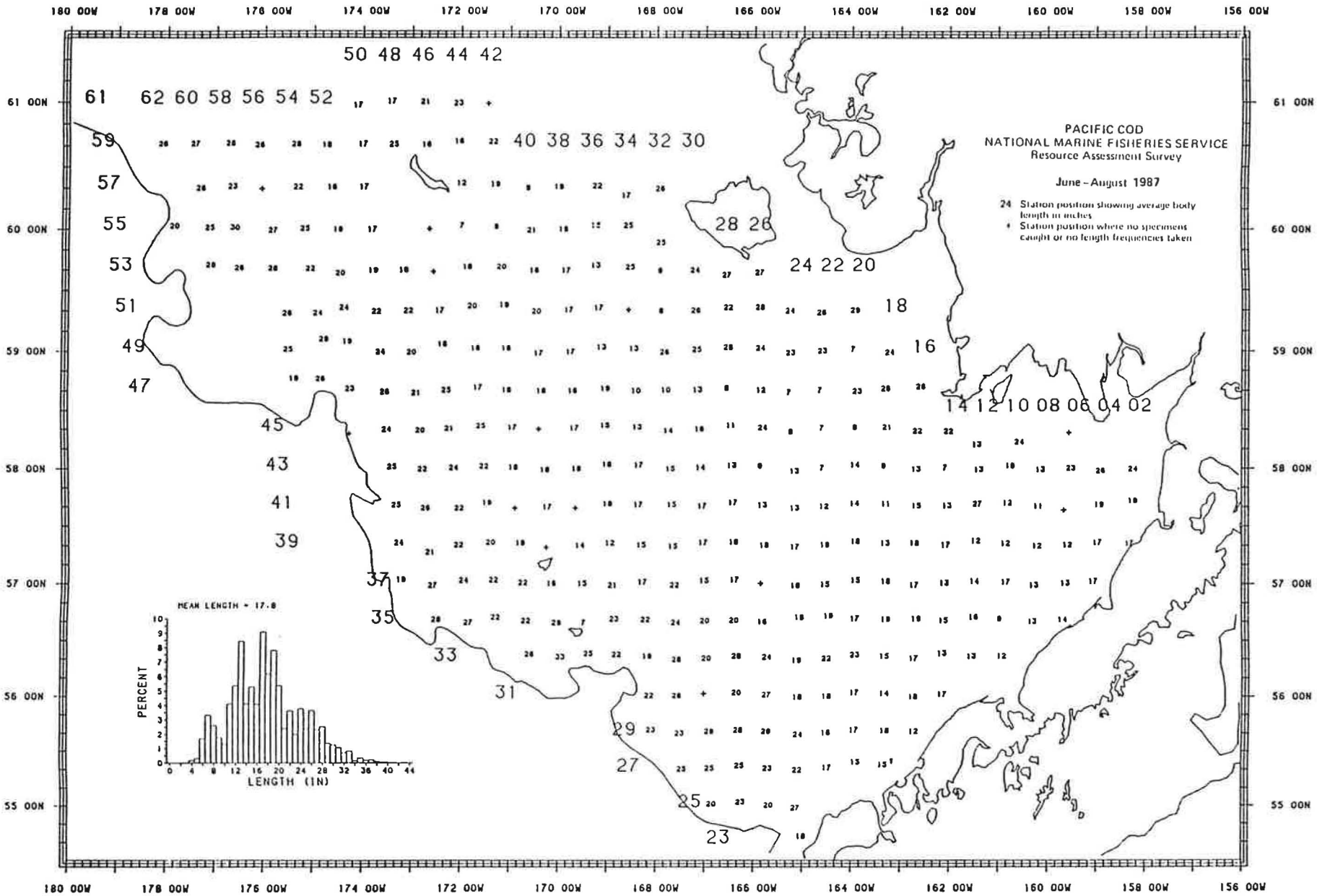

Figure 5.--Average lengths of Pacific cod taken during the 1987 eastern Bering Sea summer groundfish survey.

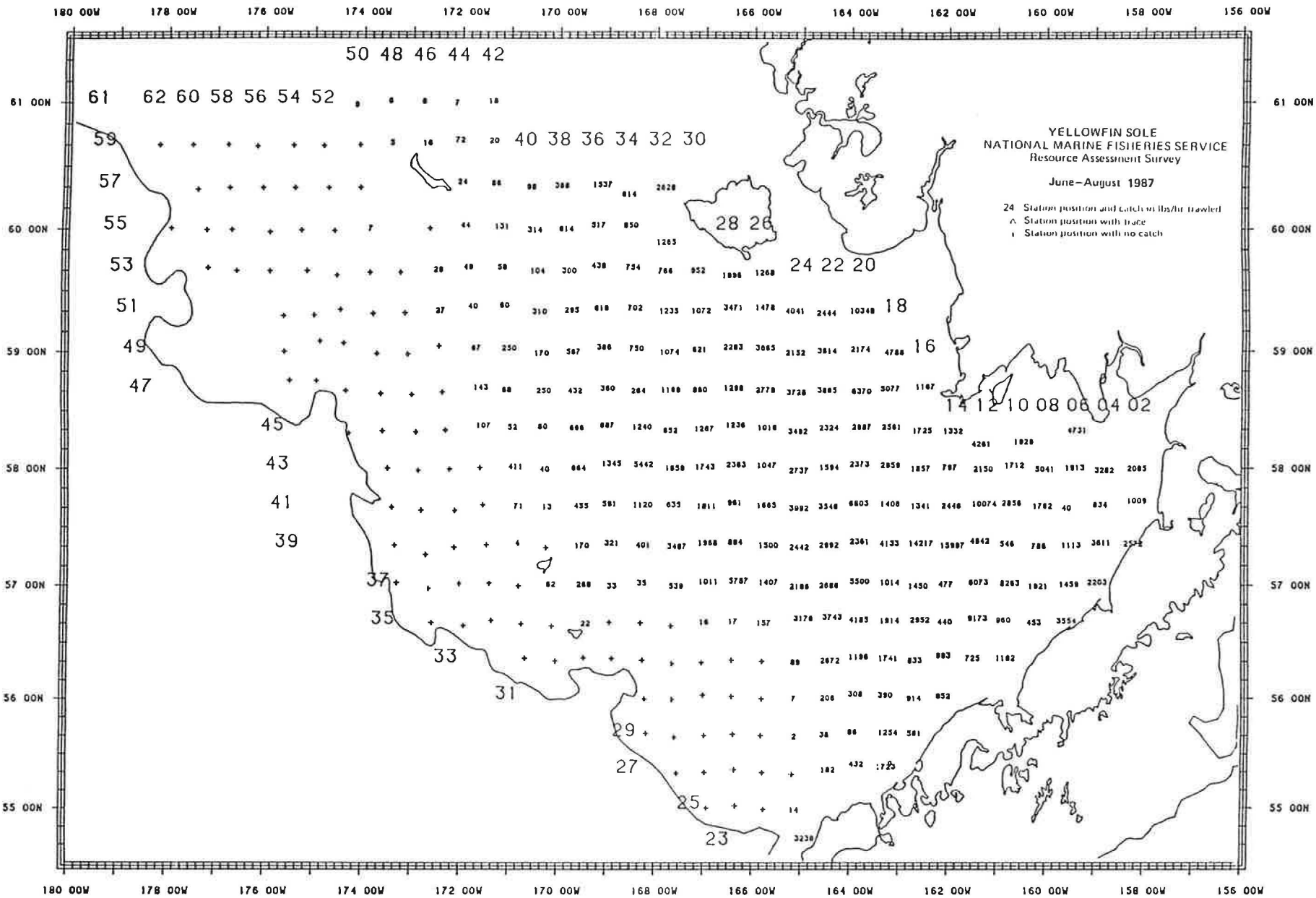

Figure 6.--Catches of yellowfin sole (lb/hr) during the 1987 eastern Bering Sea summer groundfish survey.

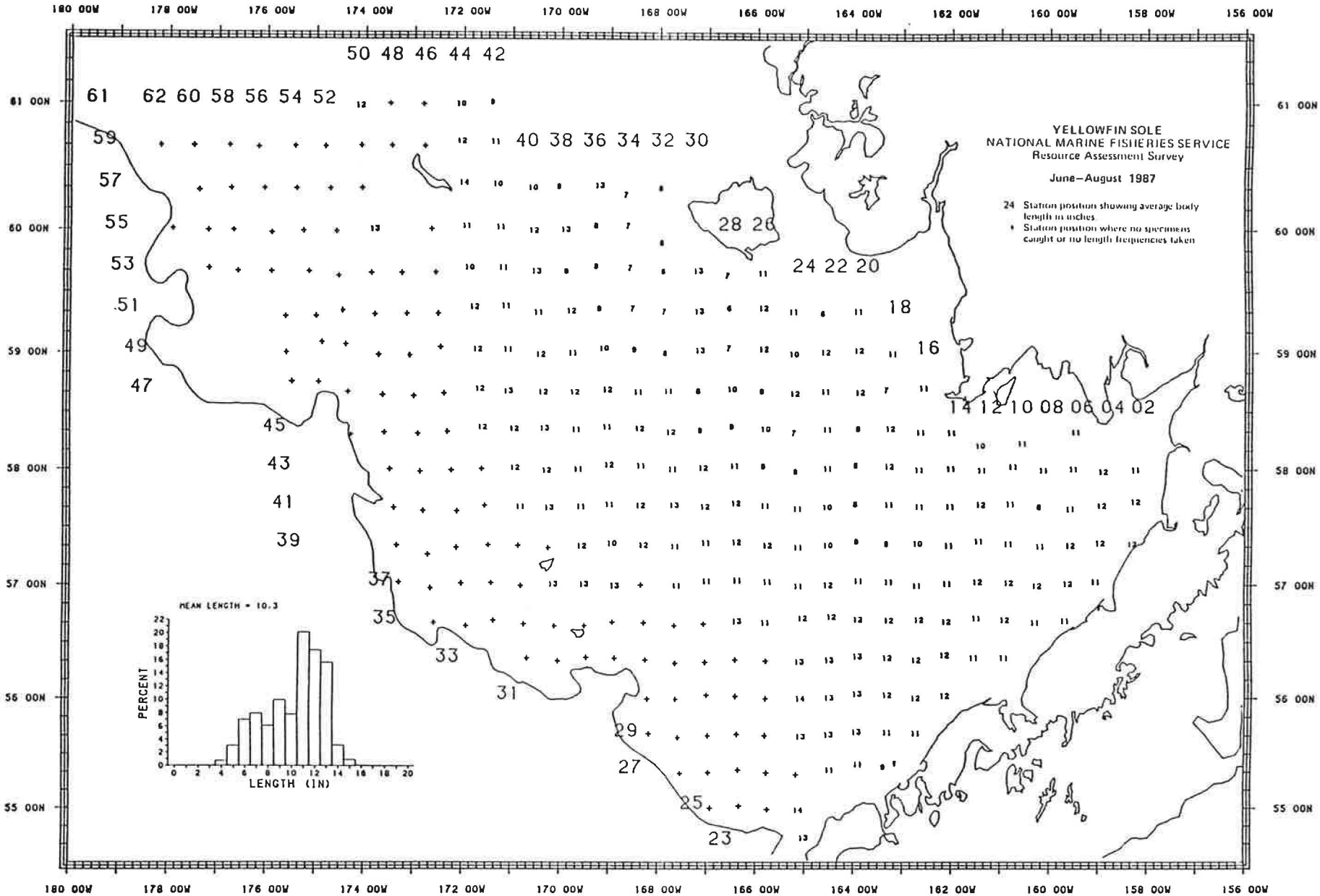

Figure 7.--Average lengths of yellowfin sole taken during the 1987 eastern Bering Sea summer groundfish survey.

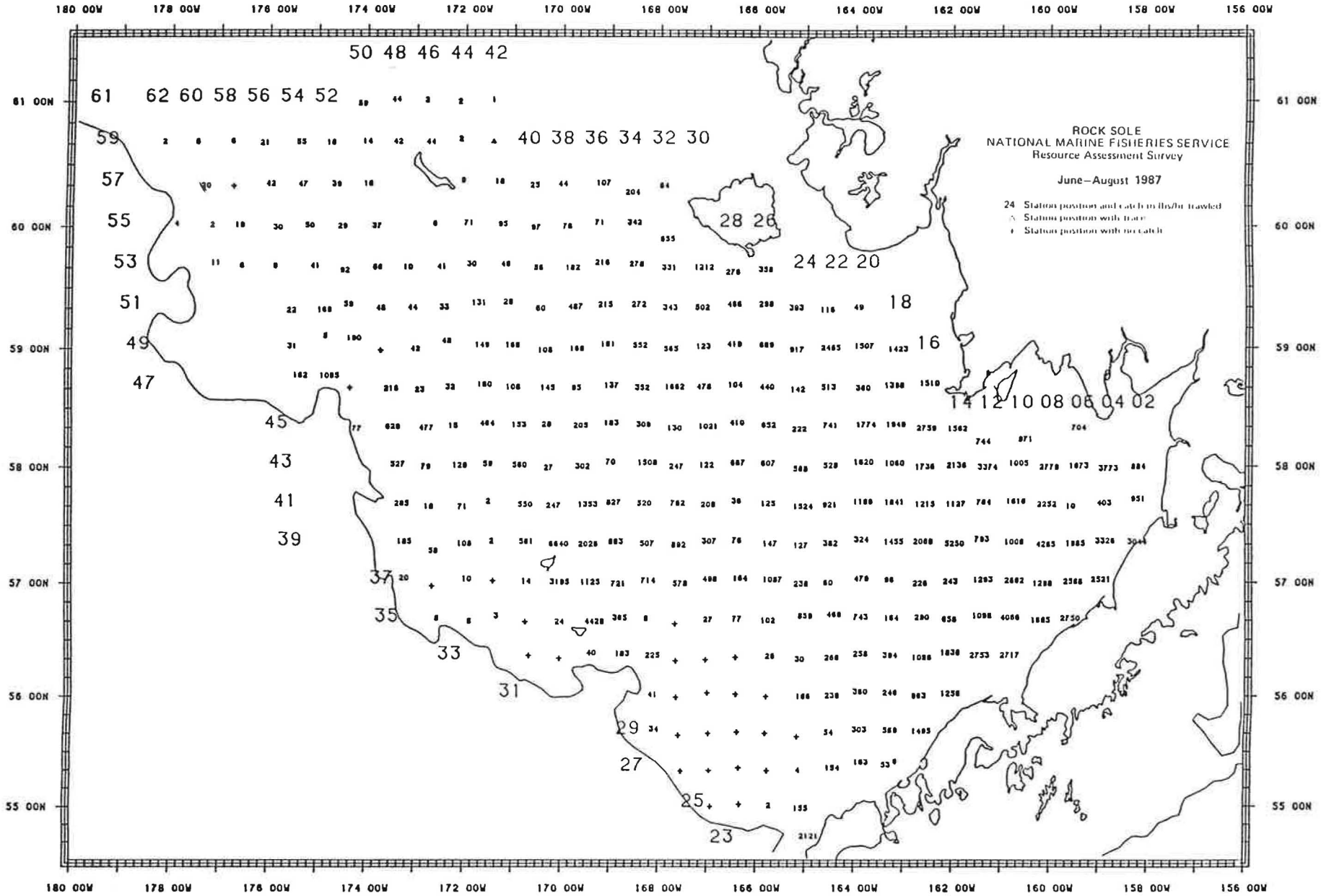

Figure 8.--Catches of rock sole (lb/hr) during the 1987 eastern Bering Sea summer groundfish survey.

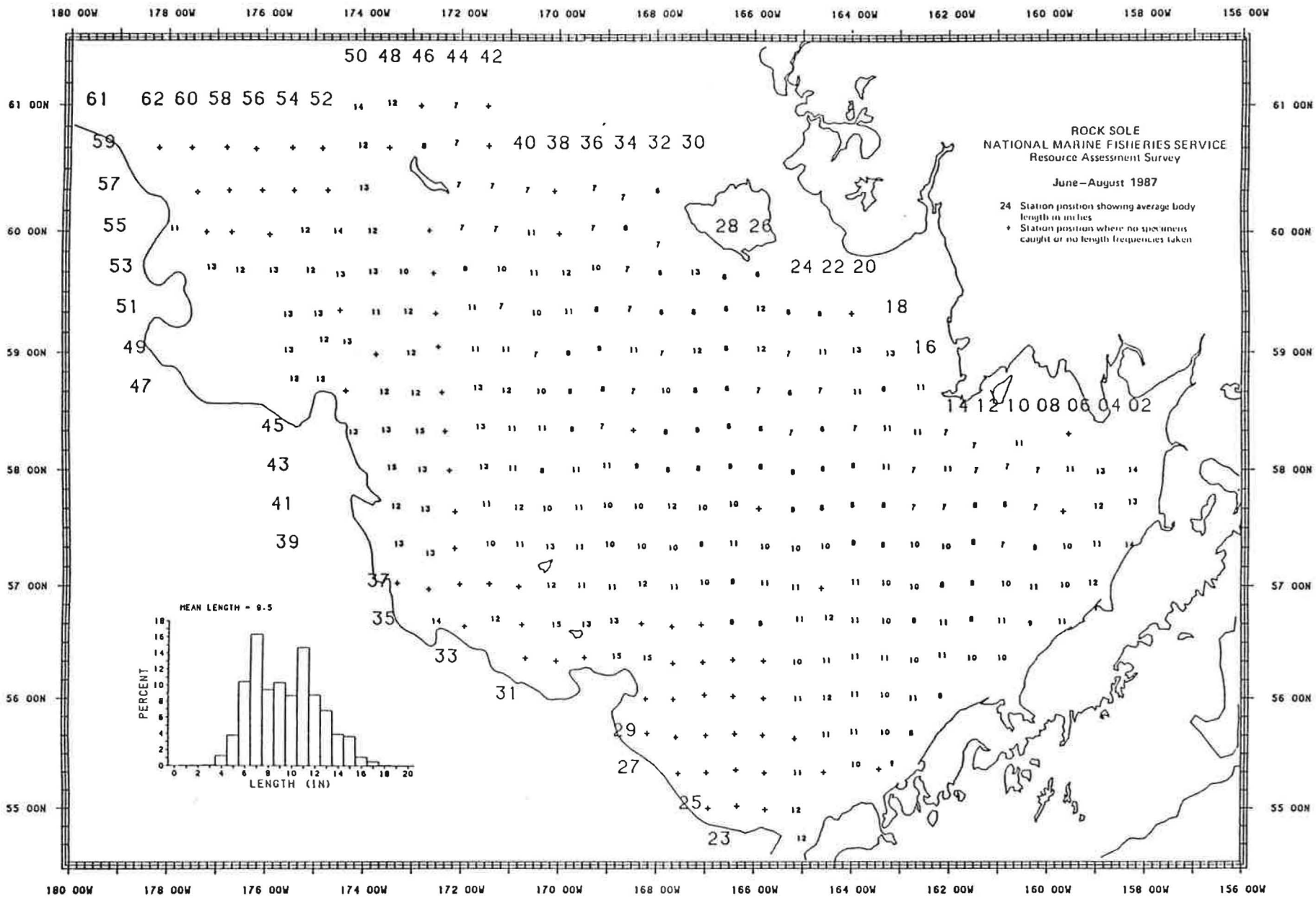

Figure 9.--Average lengths of rock sole taken during the 1987 eastern Bering Sea summer groundfish survey.

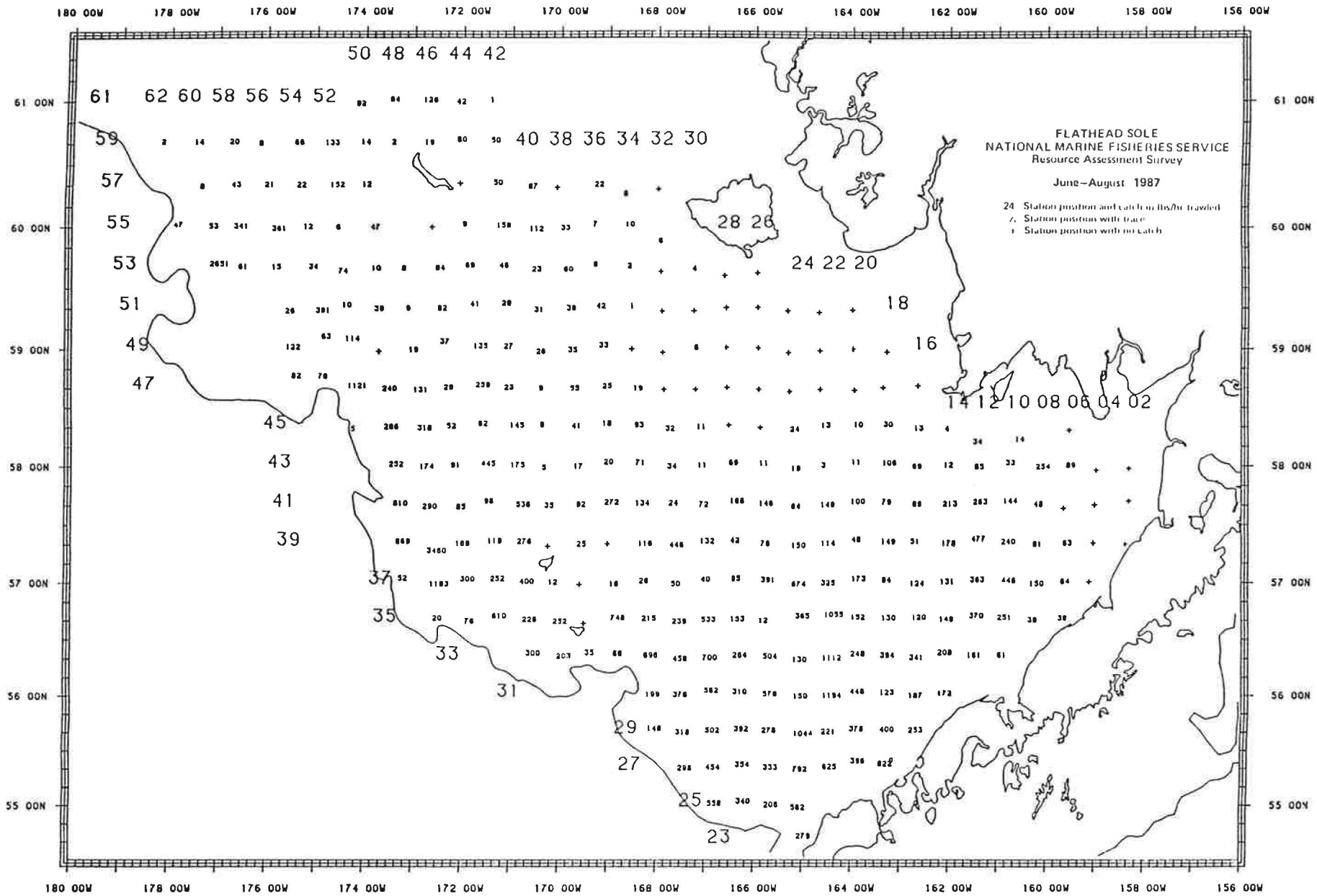

Figure 10.--Catches of flathead sole (lb/hr) during the 1987 eastern Bering Sea summer groundfish survey.

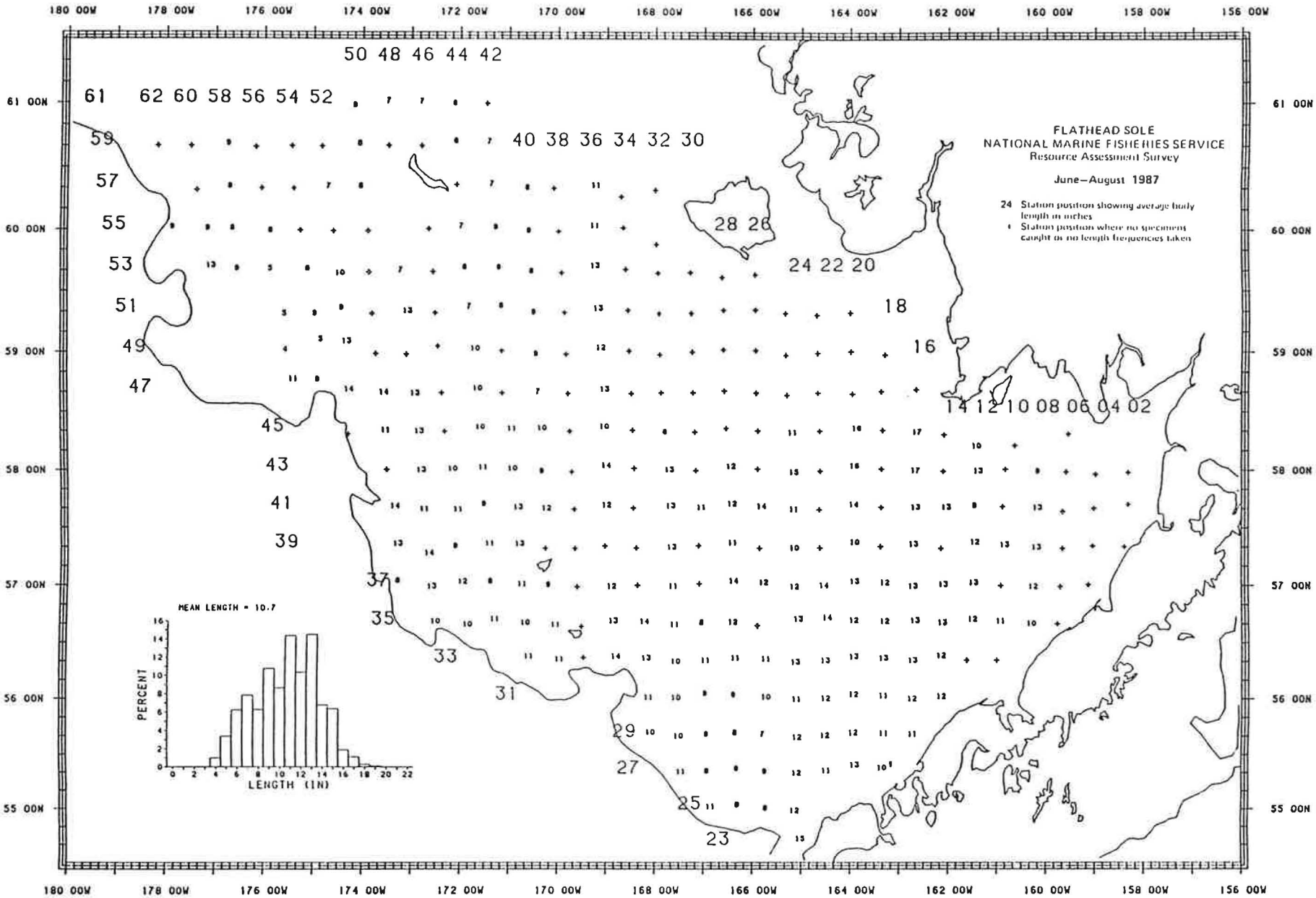

Figure 11.--Average lengths of flathead sole taken during the 1987 eastern Bering Sea summer groundfish survey.

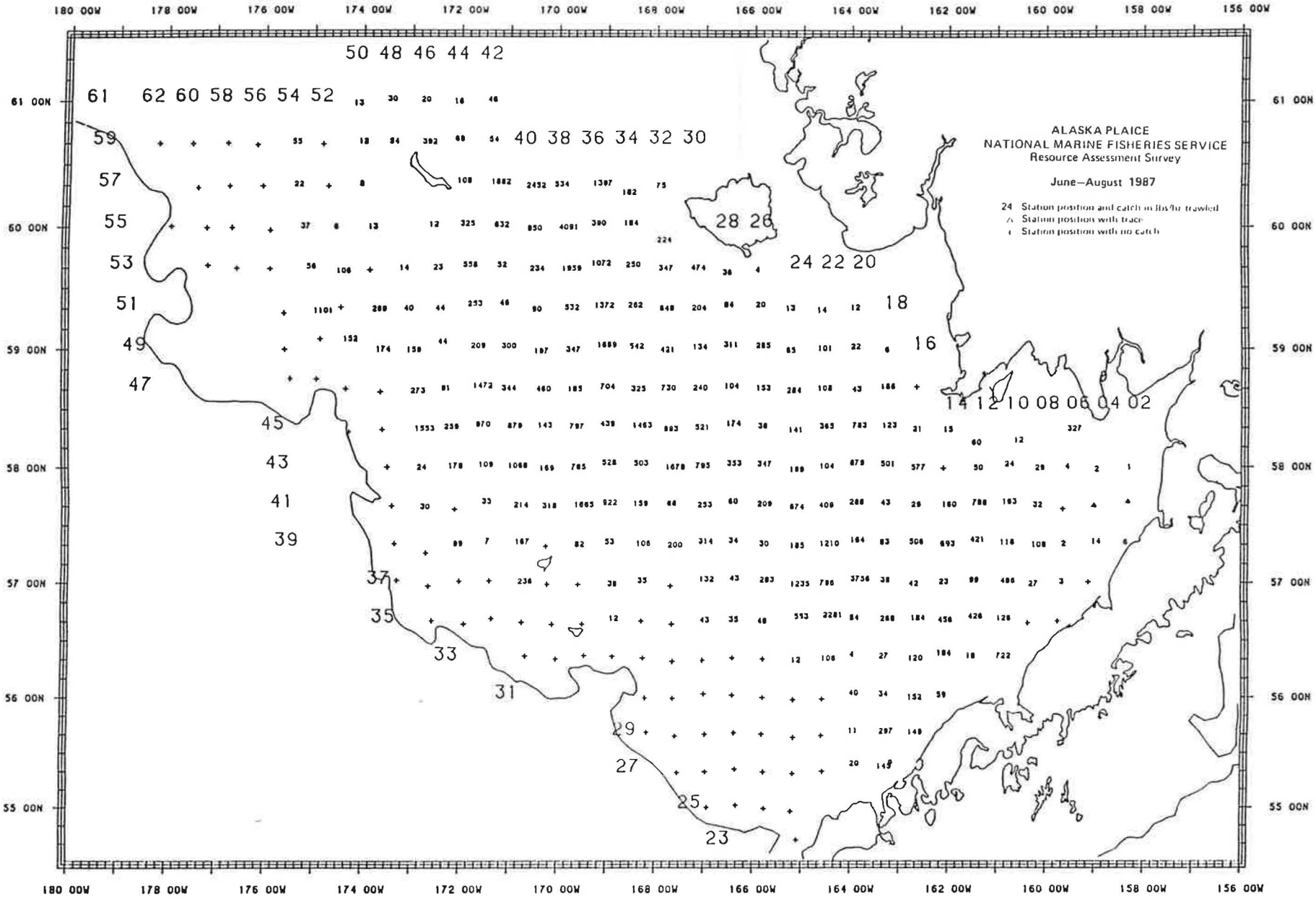

Figure 12.--Catches of Alaska plaice (lb/hr) during the 1987 eastern Bering Sea summer groundfish survey.

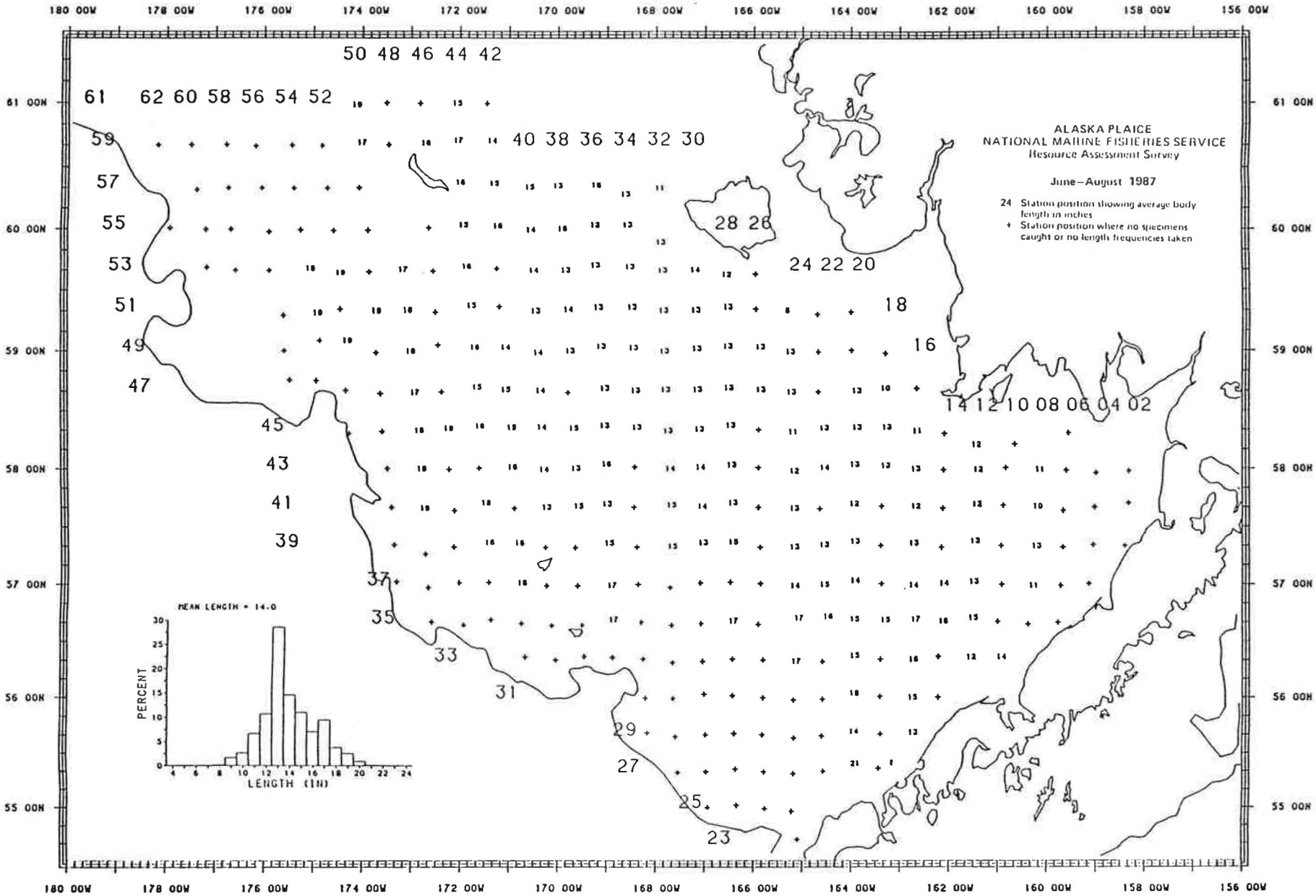

Figure 13.--Average lengths of Alaska plaice taken during the 1987 eastern Bering Sea summer groundfish survey.

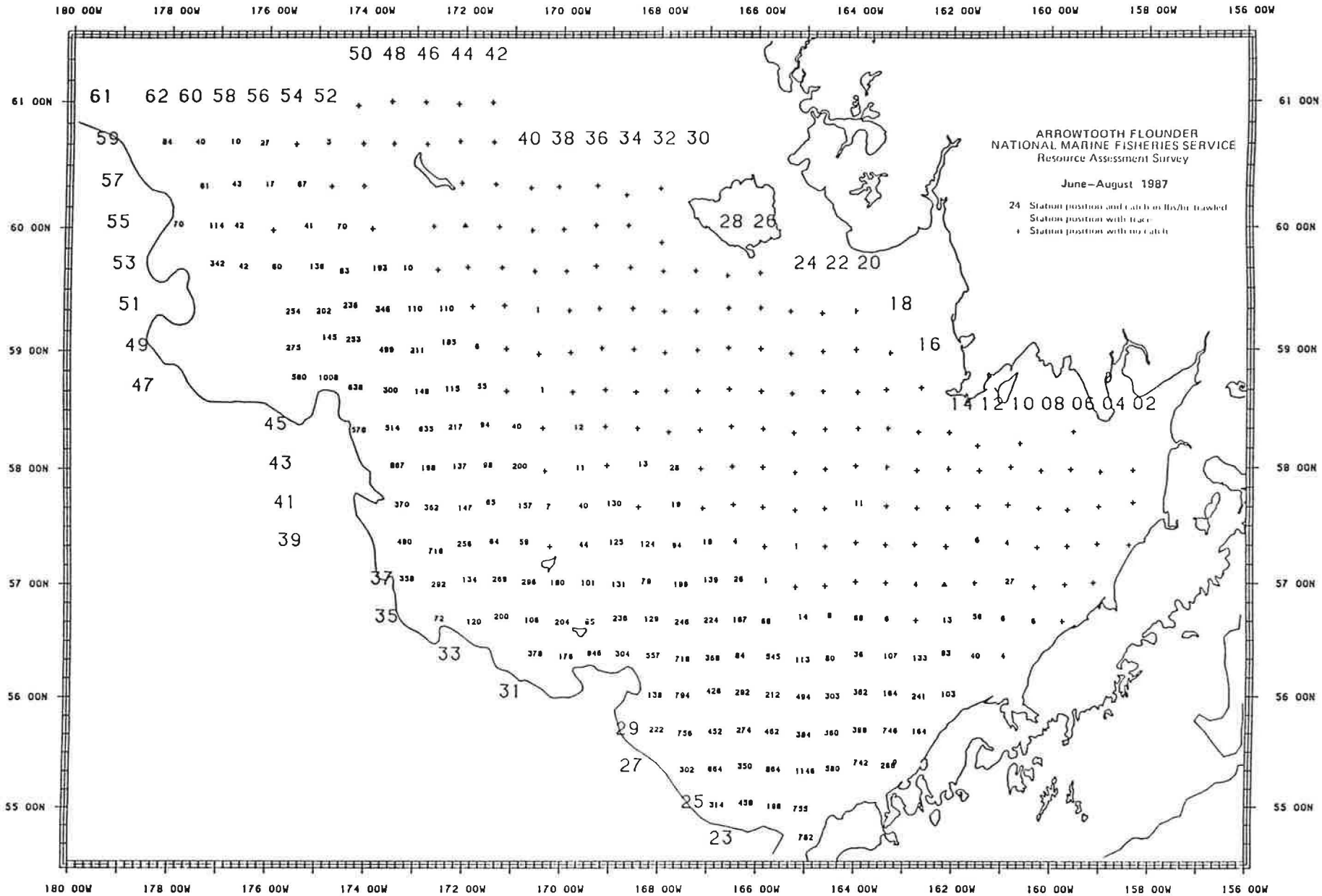

Figure 14.--Catches of arrowtooth flounder (lb/hr) during the 1987 eastern Bering Sea summer groundfish survey.

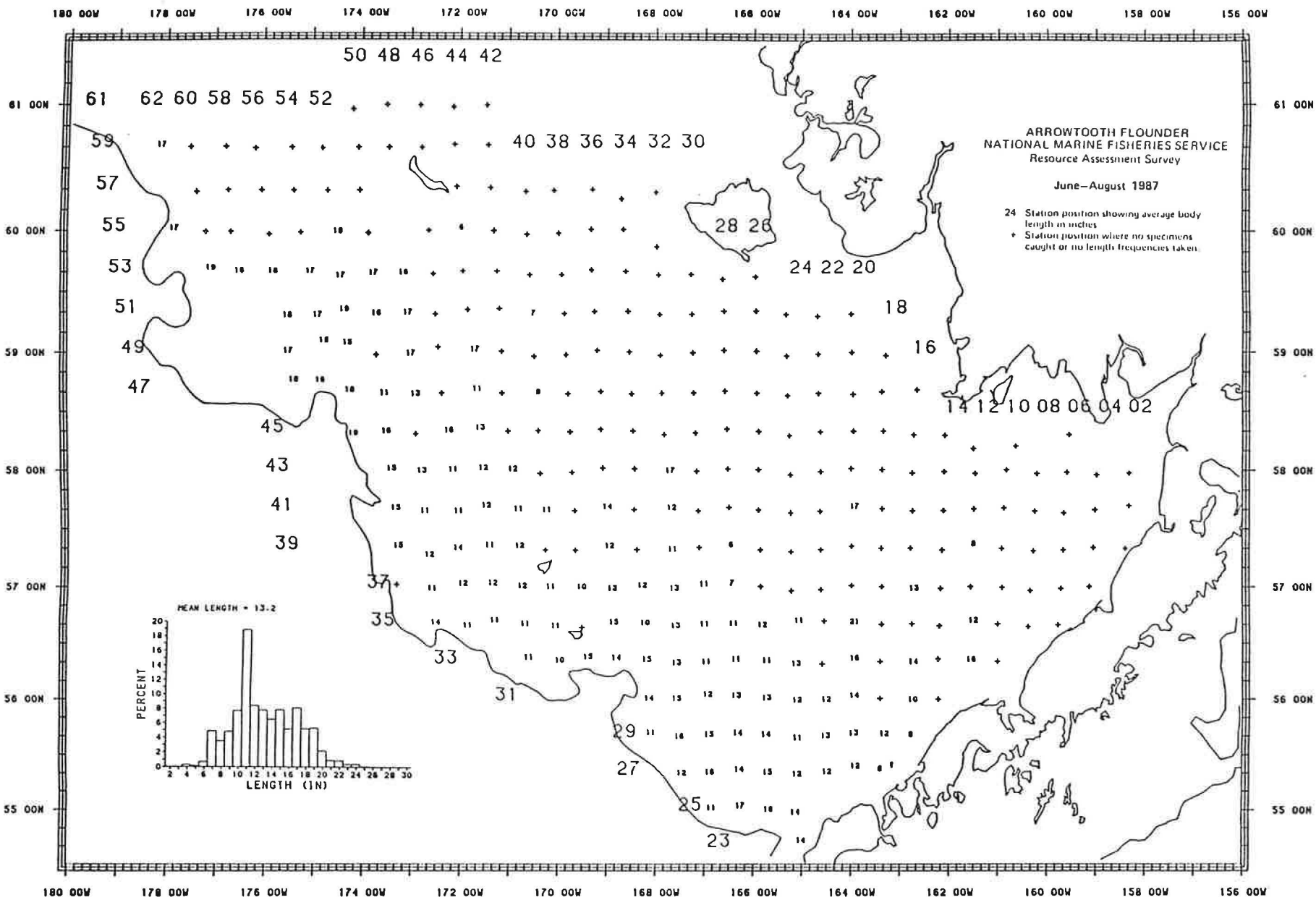

Figure 15.--Average lengths of arrowtooth flounder taken during the 1987 eastern Bering Sea summer groundfish survey.

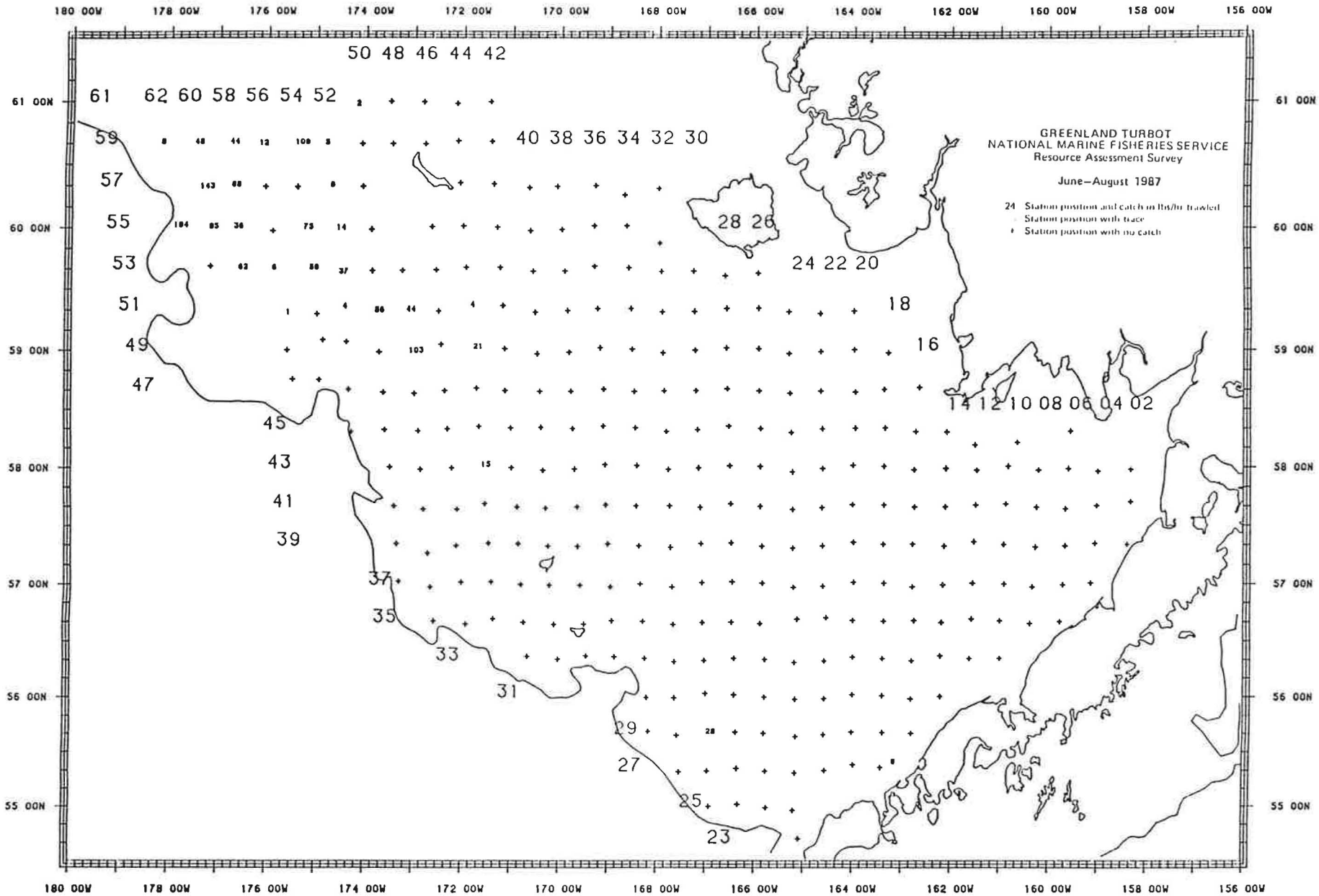

Figure 16.--Catches of Greenland turbot (lb/hr) during the 1987 eastern Bering Sea summer groundfish survey.

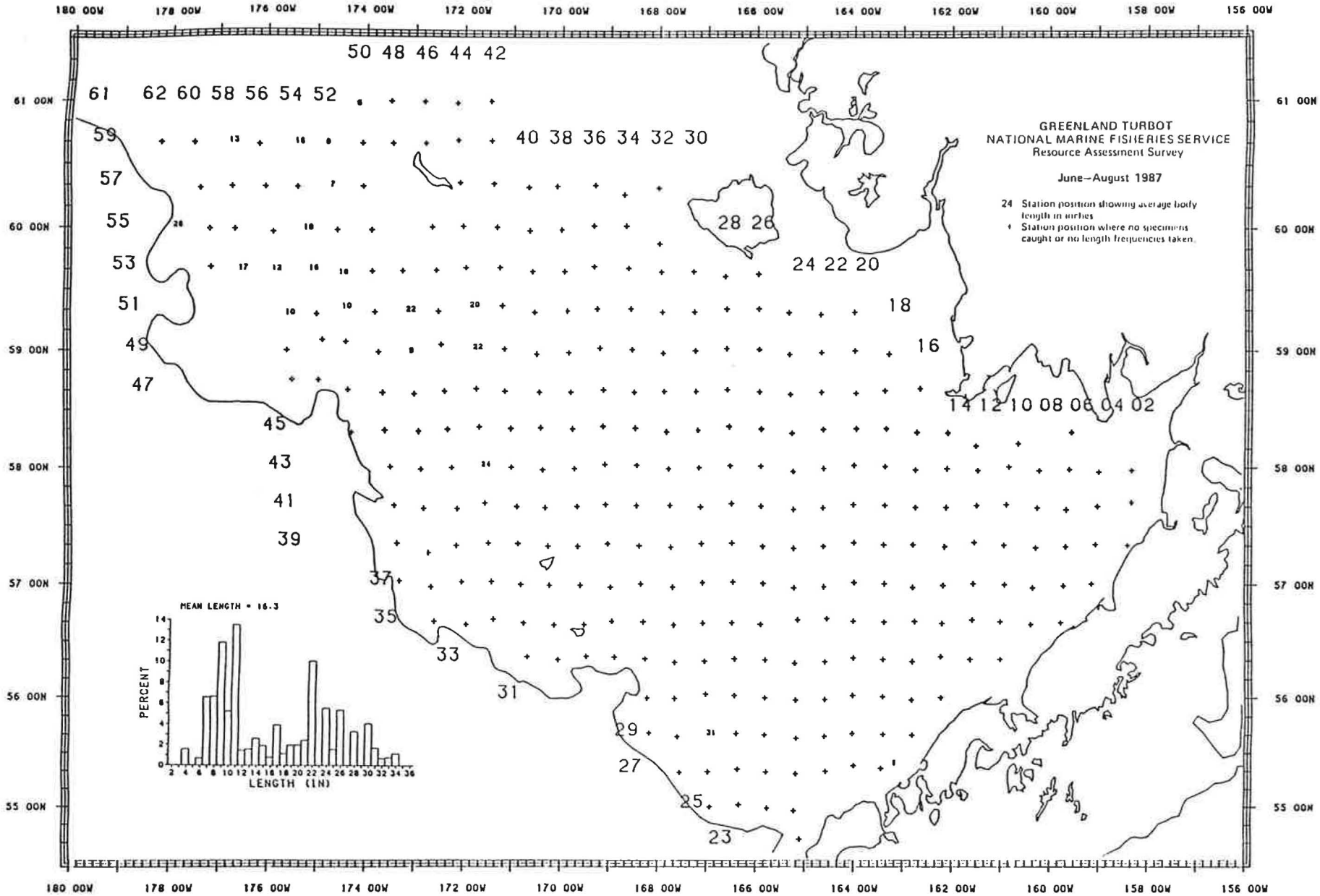

Figure 17.--Average lengths of Greenland turbot taken during the 1987 eastern Bering Sea summer groundfish survey.

APPENDIX

Station, haul, and catch data

Definitions

1. Missing digits in latitude and longitude coordinates always represent zero (0).
2. Performance code "0" represents a satisfactory tow; performance code "1" represents a satisfactory tow, although, the trawl snagged bottom.
3. Gear code "38" represents the 83-112 eastern trawl fished from the Alaska with an effective path width of 53.8 feet. Gear code "42" represents the 83-112 eastern trawl fished from the Pat San Marie at depths less than or equal to 55 fathoms and with an effective path width of 54.7 feet. Gear code "43" represents the same gear fished at depths greater than 55 fathoms with an effective path width of 58.4 feet.

Units

1. Gear depths are in fathoms.
2. Distances are in nautical miles.
3. Catch weights are given in pounds.

Appendix: Haul and catch data for successfully completed hauls made by the R/V Alaska and the F/V Pat San Marie.

STATION ID	2324	2524	2526	2528	2530	2718	2720	2722	2724	2726	2728
MONTH/DAY/YEAR	6/15/87	6/19/87	6/25/87	6/25/87	6/25/87	6/15/87	6/15/87	6/15/87	6/19/87	6/24/87	6/24/87
LATITUDE START	54 42.2	54 57.9	54 59.4	55 1.3	55 0.1	55 21.7	55 23.3	55 20.1	55 18.6	55 19.8	55 21.4
LONGITUDE START	165 5.2	165 12.1	165 45.2	166 19.8	166 55.3	163 25.5	163 58.8	164 33.7	165 10.2	165 46.4	166 21.1
LATITUDE END	54 41.4	54 59.0	54 57.9	55 0.0	55 0.6	55 22.2	55 22.1	55 20.6	55 20.4	55 18.6	55 20.1
LONGITUDE END	165 6.0	165 10.6	165 46.2	166 18.5	166 57.8	163 28.0	164 0.2	164 36.1	165 9.9	165 48.1	166 19.8
LORAN START	34594.10	18338.20	34656.60	34737.20	34822.10	34238.80	34321.10	34422.30	18421.50	34615.50	34702.00
LORAN START	48008.00	48071.60	48270.00	48475.30	48673.60	47433.20	47645.20	47861.90	48087.50	48311.00	48522.40
LORAN END	34597.50	18343.50	34661.50	34736.40	34827.10	34243.60	34328.50	34427.50	18427.70	34622.60	34701.20
LORAN END	48011.40	48063.50	48273.30	48465.40	48688.80	47448.90	47653.50	47877.70	48087.90	48319.30	48512.20
GEAR DEPTH	42	61	71	79	85	29	48	55	61	66	73
DURATION IN HOURS	0.25	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	0.50	1.42	1.56	1.48	1.54	1.47	1.43	1.47	1.61	1.51	1.45
PERFORMANCE / GEAR	0 / 42	0 / 43	0 / 38	0 / 43	0 / 38	0 / 38	0 / 42	0 / 38	0 / 43	0 / 38	0 / 43
POLLOCK	4619.3	2413.9	0.0	1051.0	0.0	1040.0	1075.1	806.8	60.0	85.0	481.5
PAC COD	600.1	1113.8	67.0	33.0	11.5	150.7	404.1	83.8	666.0	81.0	22.5
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROCKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	34.0	7.0	4.5
PAC HERRING	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	125.6	0.0	0.1	0.0	0.1	14.5	40.4	3.5	0.0	0.0	0.2
EELPOUTS	0.0	0.0	3.7	3.8	0.0	0.0	0.0	0.0	1.0	0.0	0.0
OTHER ROUNDFISH	7.0	2.3	0.1	1.2	0.5	5.3	19.1	1.7	0.5	15.1	2.5
TOT ROUNDFISH	5364.0	3530.0	76.9	1089.0	12.1	1210.5	1538.7	895.8	761.5	188.1	511.2
YELLOW SOLE	809.4	6.8	0.0	0.0	0.0	861.6	216.0	90.8	0.0	0.0	0.0
ROCK SOLE	530.3	77.3	1.1	0.0	0.0	26.4	81.3	76.8	2.0	0.0	0.0
FLATHEAD SOLE	69.8	250.9	103.0	170.0	279.0	411.0	198.2	312.6	396.0	166.5	177.0
ALASKA PLAICE	0.0	0.0	0.0	0.0	0.0	72.7	10.2	0.0	0.0	0.0	0.0
GREENLAND TBT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARROWTOOTH FL	155.4	377.3	99.0	229.0	157.0	133.2	371.1	289.9	573.0	432.0	175.0
PAC HALIBUT	113.0	36.3	0.0	19.1	43.0	6.6	37.7	33.5	56.6	16.1	14.0
OTHER FLTFISH	593.1	109.1	3.0	27.0	22.0	2.1	15.2	50.6	19.0	8.5	14.0
TOT FLATFISH	2311.0	897.7	206.1	445.1	501.0	1513.6	929.7	854.2	1046.6	623.1	380.0
SKATES	767.6	809.2	143.5	56.0	52.0	309.2	45.7	401.7	119.0	130.0	19.7
TOT ELASMOBRH	767.6	809.2	143.5	56.0	58.0	309.2	45.7	401.7	126.5	130.0	19.7
RED KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	5.0	84.0	4.3	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	0.3	2.8	2.0	36.5	21.0	32.5	38.5	26.5	1.2	2.0	12.0
TANNER, OPILIO	0.0	3.0	6.1	3.5	0.4	1.0	1.0	19.0	11.0	0.5	3.5
TANNER, HYBRID	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
OTHER CRAB	36.3	15.0	0.3	4.8	10.9	28.0	39.4	71.3	20.0	1.9	4.0
SNAILS	14.0	36.3	1.5	3.8	32.8	3.2	38.7	67.8	6.5	0.6	3.6
SHRIMP	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.2	0.0	0.0
STARFISH	0.0	0.0	0.0	0.0	1.1	707.0	17.8	111.8	0.1	0.0	1.1
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	31.5	0.0	0.0	0.0	101.0	0.0	0.1	0.0	0.0
OTHER INVERTS	0.0	5.9	88.2	42.0	54.2	334.9	520.1	69.9	0.2	108.0	32.5
TOTAL INVERTS	50.6	63.0	129.6	90.6	121.7	1106.9	761.5	450.3	43.6	113.0	56.7
EMPTY SHELLS	7.0	0.0	0.2	0.0	2.9	19.9	24.4	58.0	3.0	0.0	0.0
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	8500.2	5259.9	556.3	1680.7	695.7	4160.1	3300.0	2660.0	1981.2	1054.2	967.6

Appendix (continued)

STATION ID	2730	2732	2916	2918	2920	2922	2924	2926	2928	2930	2932
MONTH/DAY/YEAR	6/25/87	6/25/87	6/ 7/87	6/14/87	6/15/87	6/19/87	6/19/87	6/24/87	6/24/87	6/26/87	6/25/87
LATITUDE START	55 19.9	55 19.5	55 40.3	55 40.6	55 41.0	55 39.5	55 38.5	55 40.2	55 41.0	55 40.3	55 39.3
LONGITUDE START	166 57.6	167 32.0	162 48.2	163 23.5	164 1.1	164 35.7	165 9.8	165 48.8	166 23.1	166 58.4	167 35.0
LATITUDE END	55 21.5	55 19.9	55 39.9	55 39.2	55 39.7	55 40.8	55 39.9	55 39.3	55 39.8	55 41.7	55 40.8
LONGITUDE END	166 57.6	167 34.5	162 50.3	163 24.7	164 0.1	164 34.2	165 9.7	165 50.9	166 23.6	166 57.6	167 35.2
LORAN START	34796.50	34879.20	34077.20	34169.20	34269.10	34368.60	18493.70	34568.70	34661.50	34759.30	34856.40
LORAN START	48732.60	48925.70	47198.70	47428.10	47670.90	47891.80	48107.90	48355.30	48569.10	48782.30	48994.40
LORAN END	34793.50	34884.40	34084.10	34177.60	34270.80	34360.30	18498.60	34577.00	34666.10	34754.10	34854.30
LORAN END	48736.50	48940.50	47212.30	47435.10	47663.80	47883.10	48109.00	48367.10	48570.40	48780.60	48999.50
GEAR DEPTH	76	82	29	43	52	52	60	63	69	73	74
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.64	1.52	1.25	1.62	1.39	1.52	1.45	1.49	1.26	1.50	1.54
PERFORMANCE / GEAR	0 / 38	0 / 43	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 43	0 / 38	0 / 43
POLLOCK	0.0	1116.0	233.5	1154.1	1853.2	1324.0	1029.0	400.0	4.0	24.0	0.5
PAC COD	74.0	135.0	223.6	36.5	475.5	55.0	48.0	83.5	23.0	157.0	62.0
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROCKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	3.0	0.0	0.0	0.0	0.0	5.0	3.5	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	0.2	0.0	12.4	18.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9
EELPOUTS	0.0	0.2	0.0	0.0	0.5	0.4	0.0	0.0	0.2	9.5	2.0
OTHER RNDFISH	8.2	0.8	12.4	2.7	0.0	0.1	2.2	6.4	2.1	6.5	5.0
TOT ROUNDFISH	82.4	1255.0	481.9	1262.2	2329.2	1379.5	1084.2	493.4	29.3	197.0	70.4
YELLOW SOLE	0.0	0.0	280.7	627.0	43.2	19.0	1.0	0.0	0.0	0.0	0.0
ROCK SOLE	0.0	0.0	747.7	294.6	151.3	27.0	0.0	0.0	0.0	0.0	0.0
FLATHEAD SOLE	227.0	149.0	126.7	200.0	189.1	110.5	522.0	139.0	196.0	251.0	159.0
ALASKA PLAICE	0.0	0.0	74.5	148.6	5.4	0.0	0.0	0.0	0.0	0.0	0.0
GREENLAND TBT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2	0.0
ARROWTOOTH FL	332.0	151.0	82.0	373.0	194.5	180.0	192.0	231.0	137.0	226.0	378.0
PAC HALIBUT	0.0	0.0	21.1	11.6	11.9	27.6	63.7	54.9	11.4	41.2	49.7
OTHER FLTFISH	35.0	3.0	14.9	13.5	10.8	6.0	3.0	7.5	12.0	12.5	17.0
TOT FLATFISH	594.0	303.0	1347.6	1668.3	606.2	370.1	781.7	432.4	356.4	544.9	603.7
SKATES	73.0	6.0	69.6	491.9	0.0	78.0	0.0	47.0	114.1	110.0	0.0
TOT ELASMOBRH	73.0	6.0	69.6	491.9	0.0	78.0	0.0	47.0	114.1	110.0	0.0
RED KING CRAB	0.0	0.0	4.0	12.5	5.5	0.0	5.0	0.0	0.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	8.7	5.0	7.5	49.0	37.0	12.0	5.0	0.3	6.0	8.5	3.8
TANNER, OPILIO	8.0	0.8	0.0	8.0	6.0	14.5	5.0	4.5	3.4	4.0	2.2
TANNER, HYBRID	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0
OTHER CRAB	6.0	6.3	9.5	78.6	48.6	89.5	45.9	10.6	4.5	0.7	6.8
SNAILS	17.4	20.0	5.5	86.5	43.2	76.9	12.5	7.4	6.3	5.8	16.9
SHRIMP	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2
STARFISH	1.5	0.3	414.8	81.1	0.0	0.0	0.0	0.0	7.5	1.0	1.0
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	291.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	58.0	64.0	1107.3	255.2	75.6	21.7	0.9	138.3	53.1	132.5	20.0
TOTAL INVERTS	100.2	56.5	1548.6	862.8	215.9	214.8	74.3	161.1	80.8	154.0	50.9
EMPTY SHELLS	1.0	0.9	2.5	64.9	48.6	40.0	6.1	2.0	0.0	0.0	0.0
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	850.6	1661.4	3450.2	4350.1	3199.9	2082.4	1946.3	1135.9	580.6	1005.9	725.0

Appendix (continued)

STATION ID	2934	3114	3116	3118	3120	3122	3124	3126	3128	3130	3132
MONTH/DAY/YEAR	7/17/87	6/ 7/87	6/ 8/87	6/14/87	6/14/87	6/19/87	6/19/87	6/24/87	6/24/87	6/26/87	6/26/87
LATITUDE START	55 41.3	56 0.3	55 59.1	56 0.8	56 1.4	55 59.3	55 58.9	56 0.1	56 1.3	56 2.0	55 59.7
LONGITUDE START	168 9.9	162 12.9	162 48.7	163 23.9	164 0.3	164 34.8	165 10.4	165 47.9	166 25.1	167 0.1	167 38.3
LATITUDE END	55 42.7	56 0.6	56 0.8	55 59.3	55 59.9	56 0.9	56 0.5	55 58.9	55 59.9	56 3.6	56 0.8
LONGITUDE END	168 10.0	162 15.4	162 48.8	163 25.0	164 0.6	164 34.4	165 10.0	165 50.0	166 25.5	167 1.2	167 37.1
LORAN START	18363.10	33906.00	34005.50	34093.30	34191.40	34296.70	18561.50	34505.00	34609.60	34710.30	34825.40
LORAN START	49195.60	46992.60	47204.20	47435.70	47675.00	47899.60	48130.70	48373.80	48612.40	48833.80	49063.40
LORAN END	18371.10	33911.50	33998.70	34102.40	34197.90	34289.40	18566.60	34515.00	34615.70	34709.10	34819.40
LORAN END	49200.60	46984.50	47204.70	47442.70	47676.10	47898.10	48129.20	48385.90	48613.50	48843.60	49058.50
GEAR DEPTH	74	38	44	47	49	50	53	59	68	72	73
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.45	1.48	1.71	1.64	1.49	1.67	1.61	1.66	1.48	1.73	1.33
PERFORMANCE / GEAR	0 / 38	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 43	0 / 38	0 / 43
POLLOCK	4.0	810.7	697.6	90.3	210.0	771.7	203.0	290.0	69.0	133.0	1.5
PAC COD	139.4	162.1	158.2	73.5	328.0	205.6	63.0	151.0	23.0	6.5	48.0
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROCKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	0.0	0.0
PAC HERRING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.5	0.6
EELPOUTS	0.0	0.0	0.0	0.5	4.0	1.6	2.8	0.1	0.2	0.8	1.5
OTHER RNDFISH	0.0	17.2	2.2	0.0	0.4	0.7	1.6	9.0	1.5	25.5	7.6
TOT ROUNDFISH	150.3	950.0	858.0	164.3	542.4	979.6	270.4	450.1	109.2	166.3	59.2
YELLOW SOLE	0.0	476.1	456.9	195.1	154.0	102.8	3.5	0.0	0.0	0.0	0.0
ROCK SOLE	16.8	627.8	481.4	122.8	190.0	119.1	93.0	0.0	0.0	0.0	0.0
FLATHEAD SOLE	74.2	66.2	93.6	61.4	224.0	597.2	75.0	289.0	155.0	291.0	189.0
ALASKA PLAICE	0.0	29.3	75.8	16.9	20.0	0.0	0.0	0.0	0.0	0.0	0.0
GREENLAND TBT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARROWTOOTH FL	110.8	51.7	120.4	81.9	181.0	151.7	247.0	106.0	146.0	213.0	397.0
PAC HALIBUT	52.4	20.0	11.4	10.8	57.0	76.9	77.5	82.5	8.4	58.4	27.1
OTHER FLTFISH	11.9	5.2	17.8	6.0	4.2	0.0	18.0	0.0	2.8	12.0	3.5
TOT FLATFISH	266.1	1296.3	1257.3	494.9	830.2	1047.7	514.0	477.5	312.2	574.4	616.6
SKATES	91.0	22.4	26.7	0.0	49.0	195.8	77.0	24.0	23.0	111.0	87.0
TOT ELASMOBRH	91.0	22.4	26.7	0.0	49.0	195.8	77.0	27.0	23.0	111.0	87.0
RED KING CRAB	0.0	430.5	228.0	14.0	10.5	0.0	0.0	0.0	0.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	0.0	7.0	35.0	18.0	3.0	12.2	2.3	3.6	3.5	4.8	9.0
TANNER, OPILIO	1.3	3.0	6.0	4.5	3.5	4.0	3.0	0.6	0.0	0.5	2.5
TANNER, HYBRID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER CRAB	6.0	26.1	53.6	58.4	65.7	305.1	139.0	38.8	16.3	19.1	14.0
SNAILS	11.3	0.0	8.9	39.2	102.6	140.9	85.0	29.0	23.5	14.9	8.2
SHRIMP	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2
STARFISH	2252.7	2392.1	40.1	9.6	0.0	0.7	1.5	38.0	7.5	2.0	0.1
SQUID	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	17.4	155.2	57.9	597.5	99.0	36.5	17.5	185.1	124.4	111.2	34.0
TOTAL INVERTS	2288.9	3013.9	429.5	744.2	284.3	499.4	248.3	295.1	175.3	152.5	68.0
EMPTY SHELLS	4.0	17.2	3.3	544.4	90.0	67.5	25.0	7.1	2.3	1.0	1.5
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
TOTAL CATCH	2800.3	5339.8	2574.8	1947.8	1795.9	2810.0	1134.7	1256.8	622.0	1005.2	833.8

Appendix (continued)

STATION ID	3134	3310	3312	3314	3316	3318	3320	3322	3324	3326	3328
MONTH/DAY/YEAR	7/17/87	6/ 6/87	6/ 7/87	6/ 7/87	6/ 8/87	6/14/87	6/14/87	6/19/87	6/19/87	6/24/87	6/24/87
LATITUDE START	55 59.9	56 20.8	56 20.7	56 22.2	56 19.6	56 20.7	56 21.6	56 19.5	56 18.7	56 20.4	56 21.0
LONGITUDE START	168 12.1	161 0.0	161 37.0	162 13.0	162 47.9	163 23.7	164 0.0	164 35.0	165 11.5	165 47.8	166 25.3
LATITUDE END	56 1.3	56 19.2	56 19.2	56 23.6	56 20.9	56 19.3	56 20.0	56 20.9	56 19.9	56 19.1	56 19.4
LONGITUDE END	168 12.0	160 59.8	161 37.2	162 13.7	162 47.9	163 23.5	164 0.6	164 34.2	165 11.5	165 49.6	166 25.6
LORAN START	18463.80	33633.10	33725.10	33811.00	33915.10	34007.30	34105.50	34215.50	34327.00	34429.60	34542.60
LORAN START	45262.70	46479.80	46726.20	46965.80	47198.10	47436.20	47677.70	47909.20	48150.60	48390.40	48636.10
LORAN END	18471.20	33639.80	33732.70	33806.30	33909.00	34013.60	34114.30	34207.20	34321.70	34440.10	34549.30
LORAN END	45265.50	46479.40	46728.00	46970.30	47198.00	47435.30	47681.70	47904.70	48150.70	48401.30	48636.80
GEAR DEPTH	82	28	37	44	43	46	46	47	48	49	56
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.36	1.55	1.55	1.48	1.35	1.49	1.61	1.48	1.22	1.61	1.52
PERFORMANCE / GEAR	0 / 38	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42
POLLOCK	258.0	3156.3	452.1	785.4	846.8	183.5	54.0	1870.7	1054.3	6147.0	958.0
PAC COD	93.5	216.6	186.9	48.4	195.1	13.4	315.0	513.6	586.4	645.1	95.0
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROCKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	5.2	17.1	7.8	0.0	0.0	0.0	0.0	14.7	0.0	0.0	0.0
EELPOUTS	0.0	0.0	0.0	0.0	0.0	0.0	5.0	21.3	1.5	0.0	1.5
OTHER ROUNDFISH	0.8	4.6	14.5	1.8	3.3	1.7	0.0	0.3	1.2	2.1	8.0
TOT ROUNDFISH	357.5	3434.6	661.3	836.3	1045.2	198.6	374.0	2420.6	1643.4	6794.2	1062.5
YELLOW SOLE	0.0	551.0	362.6	496.7	416.7	870.7	598.0	1335.8	44.4	0.0	0.0
ROCK SOLE	20.5	1358.7	1376.5	918.0	543.1	197.0	129.0	133.1	14.8	13.1	0.0
FLATHEAD SOLE	99.5	30.4	80.6	104.0	170.7	197.0	124.0	556.2	65.2	251.8	132.0
ALASKA PLAICE	0.0	361.1	9.0	96.8	59.9	13.4	2.0	53.2	5.9	0.0	0.0
GREENLAND TOT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARROWTOOTH FL	69.0	1.9	20.1	46.6	66.5	53.7	18.0	39.9	56.3	272.7	42.0
PAC HALIBUT	23.2	0.0	42.5	68.0	9.4	0.0	9.0	0.0	3.8	69.0	50.4
OTHER FLTFISH	1.0	11.4	47.0	1.8	11.1	2.2	0.0	0.0	0.0	0.0	4.5
TOT FLATFISH	213.2	2354.5	1958.3	1731.9	1277.4	1334.0	880.0	2118.2	190.4	606.6	228.9
SKATES	239.0	212.8	73.0	0.0	0.0	91.8	56.0	71.8	62.2	78.7	23.0
TOT ELASMOBRH	239.0	212.8	73.0	0.0	0.0	91.8	56.0	71.8	62.2	78.7	23.0
RED KING CRAB	0.0	32.0	20.0	263.5	73.0	160.5	13.0	11.5	4.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	0.5	1.3	11.2	24.2	3.7	2.5	8.5	9.5	3.9	5.0	2.0
TANNER, OPILIO	6.0	0.0	1.1	3.6	0.3	3.5	14.5	5.0	6.3	4.9	3.5
TANNER, HYBRID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER CRAB	1.0	28.2	7.3	12.4	7.8	169.3	48.2	127.7	254.1	932.1	55.3
SNAILS	0.9	5.7	0.0	6.3	6.7	40.4	123.7	409.6	652.9	1030.6	52.6
SHRIMP	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2
STARFISH	170.4	619.5	1101.3	59.1	0.0	0.0	17.5	1.3	150.1	90.7	26.0
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	38.5	148.2	79.6	49.4	53.2	59.1	32.4	13.6	17.5	19.9	5.1
TOTAL INVERTS	217.3	835.3	1220.5	418.5	144.7	435.3	257.8	578.2	1089.1	2083.2	144.7
EMPTY SHELLS	0.5	22.8	6.7	33.2	7.8	100.3	26.0	21.3	14.8	177.3	14.8
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	1027.5	6860.0	3899.8	3019.9	2475.1	2160.0	1593.8	5210.1	2999.9	9740.0	1473.9

Appendix (continued)

STATION ID	3330	3332	3334	3336	3338	3340	3342	3506	3508	3510	3512
MONTH/DAY/YEAR	6/26/87	6/26/87	7/ 2/87	7/ 2/87	7/ 3/87	7/ 3/87	7/10/87	6/ 3/87	6/ 4/87	6/ 6/87	6/ 7/87
LATITUDE START	56 19.7	56 19.1	56 20.9	56 21.8	56 22.3	56 20.5	56 22.0	56 40.1	56 39.3	56 40.6	56 41.6
LONGITUDE START	167 2.1	167 38.8	168 15.1	168 52.5	169 27.3	170 2.0	170 39.7	159 45.6	160 22.2	160 59.5	161 34.1
LATITUDE END	56 21.3	56 20.5	56 19.7	56 20.4	56 22.0	56 20.6	56 20.8	56 40.5	56 40.7	56 39.1	56 40.2
LONGITUDE END	167 2.6	167 39.1	168 16.8	168 52.2	169 29.8	170 4.7	170 41.0	159 42.8	160 21.3	160 59.1	161 33.9
LORAN START	34661.50	34776.80	34881.70	18544.10	35069.40	18409.60	18286.80	33366.40	18681.10	33537.10	33617.80
LORAN START	48872.80	49105.20	49333.50	49557.20	49746.10	49892.50	50017.00	45975.20	46220.00	46469.20	46700.60
LORAN END	34657.40	34773.60	34889.70	18536.30	35074.70	18402.90	18272.00	33358.10	18683.00	33543.70	33624.20
LORAN END	48878.00	49109.80	49341.20	49551.30	49757.50	49903.50	50014.60	45956.30	46213.60	46467.30	46699.50
GEAR DEPTH	61	72	84	68	73	60	65	18	31	36	48
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.65	1.44	1.57	1.42	1.42	1.52	1.44	1.60	1.50	1.53	1.41
PERFORMANCE / GEAR	0 / 38	0 / 43	0 / 38	0 / 43	0 / 38	0 / 43	0 / 38	0 / 38	0 / 42	0 / 38	0 / 42
POLLOCK	26.0	3.5	3633.7	45.5	0.0	5387.8	0.0	0.0	729.4	174.8	380.8
PAC COD	150.7	88.0	141.5	83.0	469.2	915.2	322.0	263.8	81.7	24.5	100.8
PAC OC PERCH	0.0	0.0	0.0	0.0	12.3	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROCKFISH	0.0	0.0	0.0	0.0	378.5	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.4	0.0	0.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	67.2	9.5	29.1	80.1	42.0	40.0	43.0	26.9	2.8	6.1	0.0
EELPOUTS	0.0	1.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROUNDFISH	24.6	20.1	8.7	0.6	111.6	0.0	0.1	1.5	17.3	7.7	145.6
TOT ROUNDFISH	268.5	122.1	3829.4	209.2	1013.6	6343.0	365.1	330.6	831.2	213.1	627.2
YELLOW SOLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1777.1	226.4	479.8	4586.6
ROCK SOLE	0.0	0.0	112.3	91.5	20.0	0.0	0.0	1375.1	842.6	2032.8	548.8
FLATHEAD SOLE	350.0	229.0	348.1	33.0	17.5	101.4	150.0	19.2	18.9	125.7	184.8
ALASKA PLAICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.9	212.8
GREENLAND TRT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARROWTOOTH FL	184.0	359.0	278.5	152.0	473.0	88.1	189.0	0.0	3.1	3.1	28.0
PAC HALIBUT	58.4	115.5	5.3	20.1	48.4	14.6	85.7	13.8	62.2	11.7	23.0
OTHER FLTFISH	2.8	1.0	26.9	6.0	3.5	42.7	19.0	98.9	3.1	3.1	5.6
TOT FLATFISH	595.2	704.5	771.1	302.6	562.4	246.8	443.7	3283.9	1156.3	2719.1	5589.6
SKATES	108.0	170.5	274.0	54.7	40.0	0.0	84.0	87.1	0.0	128.8	0.0
TOT ELASMOBRH	108.0	170.5	274.0	54.7	40.0	0.0	84.0	87.1	0.0	128.8	0.0
RED KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	17.0	98.5	351.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	1.9	9.5	12.5	2.8	3.2	5.8	5.7	0.0	14.2	33.0	131.5
TANNER, OPILIO	1.0	2.0	17.2	6.4	0.0	0.5	1.0	0.0	2.0	0.0	8.5
TANNER, HYBRID	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0
OTHER CRAB	31.2	42.4	102.1	7.2	7.4	8.0	83.9	2.9	32.7	25.5	182.8
SNAILS	25.6	17.1	46.6	24.4	12.4	4.3	24.9	0.5	7.9	6.2	40.4
SHRIMP	0.0	0.7	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STARFISH	189.0	0.0	5.2	11.7	3.5	0.0	512.5	481.9	1256.3	64.4	50.4
SQUID	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	79.3	52.7	18.6	27.6	58.8	40.1	73.5	6.1	111.8	198.9	1128.4
TOTAL INVERTS	328.0	164.4	202.4	85.9	85.5	58.7	701.9	494.9	1441.9	426.5	1893.0
EMPTY SHELLS	8.5	3.3	2.7	2.0	3.0	1.6	3.0	3.8	20.4	21.5	90.2
OTHER	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	1308.2	1165.8	5079.6	654.4	1704.5	6650.1	1597.7	4200.3	3449.8	3509.0	8200.0

Appendix (continued)

STATION ID	3514	3516	3518	3520	3522	3524	3526	3528	3530	3532	3534
MONTH/DAY/YEAR	6/ 7/87	6/ 9/87	6/14/87	6/14/87	6/20/87	6/20/87	6/24/87	6/24/87	6/26/87	6/26/87	7/ 2/87
LATITUDE START	56 39.7	56 40.8	56 40.5	56 40.9	56 42.3	56 41.6	56 39.2	56 40.1	56 39.7	56 38.8	56 40.4
LONGITUDE START	162 11.2	162 44.8	163 22.1	163 59.9	164 32.5	165 8.1	165 53.5	166 28.6	167 4.2	167 40.0	168 17.4
LATITUDE END	56 41.4	56 40.0	56 39.0	56 39.3	56 43.7	56 40.6	56 38.1	56 40.3	56 41.4	56 40.2	56 39.3
LONGITUDE END	162 10.5	162 46.9	163 21.7	164 0.1	164 31.6	165 10.0	165 55.2	166 26.0	167 4.8	167 40.3	168 15.7
LORAN START	33722.00	33805.30	33909.00	34013.40	34101.60	34212.20	34369.10	34472.60	34590.10	34712.70	34831.00
LORAN START	46949.30	47173.90	47424.10	47676.80	47895.30	48132.90	48436.00	48669.30	48905.00	49139.70	49384.20
LORAN END	33711.60	33815.00	33915.10	34022.50	34092.00	34223.10	34374.70	34463.00	34565.10	34706.10	34829.40
LORAN END	46944.50	47188.30	47421.50	47678.60	47886.80	48145.90	48446.90	48652.30	48910.20	49142.80	49371.90
GEAR DEPTH	37	39	40	41	40	41	43	47	51	58	57
DURATION IN HOURS	0.62	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.78	1.42	1.48	1.70	1.48	1.47	1.46	1.45	1.66	1.39	1.45
PERFORMANCE / GEAR	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38
POLLOCK	99.1	232.6	184.5	514.7	1080.3	137.3	1657.7	1198.2	4835.8	1677.1	5148.2
PAC COD	38.0	50.7	143.5	135.0	36.6	188.2	279.7	372.7	367.5	341.5	970.6
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROCKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	13.2	0.0	2.5	0.0	0.0	11.8	0.0	0.7	0.0	30.6	29.9
EELPOUTS	0.0	0.0	2.0	0.0	0.9	13.1	9.2	2.4	0.0	1.2	0.0
OTHER ROUNDFISH	0.3	0.7	0.1	0.0	0.6	0.4	0.0	3.5	0.5	2.3	3.1
TOT ROUNDFISH	150.6	284.0	332.6	653.9	1118.4	350.8	1946.6	1577.5	5203.8	2052.7	6151.8
YELLOW SOLE	272.6	1476.2	957.0	2092.6	1871.3	1588.2	78.5	8.7	8.0	0.0	0.0
ROCK SOLE	408.1	145.1	82.0	371.3	234.4	429.4	51.2	38.3	13.3	0.0	3.8
FLATHEAD SOLE	52.5	59.9	65.0	75.9	527.3	182.3	6.1	76.6	266.3	119.3	107.4
ALASKA PLAICE	282.5	92.1	134.0	42.2	1140.7	276.5	23.9	17.4	21.3	0.0	0.0
GREENLAND TBT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARROWTOOTH FL	8.3	0.0	3.0	33.8	3.8	6.9	34.1	83.6	111.8	122.8	64.4
PAC HALIBUT	33.0	0.7	0.0	0.0	42.5	0.0	23.5	0.0	10.9	38.0	18.4
OTHER FLTFISH	9.9	0.5	0.0	0.0	0.0	0.0	0.3	0.0	4.3	2.3	3.5
TOT FLATFISH	1106.9	1774.5	1241.0	2615.8	3020.0	2483.3	217.6	224.6	435.9	282.4	197.5
SKATES	46.3	20.7	4.0	0.0	2.7	72.5	32.1	0.0	167.8	170.7	95.9
TOT ELASMOBRH	46.3	20.7	4.0	0.0	2.7	72.5	32.1	0.0	167.8	170.7	95.9
RED KING CRAB	89.5	4.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	13.0	18.0	12.5	13.5	4.0	7.0	22.1	4.5	3.5	0.5	0.1
TANNER, OPILIO	10.0	4.5	8.0	2.5	6.0	9.0	16.1	12.8	8.5	2.5	39.3
TANNER, HYBRID	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.2	0.0	4.3
OTHER CRAB	8.2	103.0	44.7	29.6	10.4	37.7	664.7	665.5	645.5	274.8	128.6
SNAILS	16.5	52.5	206.3	270.8	119.1	173.0	221.6	255.9	200.9	48.0	42.2
SHRIMP	0.3	0.0	0.2	0.0	0.0	0.4	0.0	0.6	1.6	1.2	0.0
STARFISH	1054.1	110.5	0.0	67.5	11.0	1036.7	216.6	128.5	387.7	14.1	9.6
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	634.5	65.7	22.5	8.4	42.3	4.4	3.4	15.5	27.2	4.7	0.4
TOTAL INVERTS	1826.1	358.2	318.2	392.3	192.9	1268.2	1144.8	1083.3	1275.1	345.8	224.5
EMPTY SHELLS	9.9	12.7	32.7	38.0	5.7	17.6	88.7	64.1	67.6	58.5	10.4
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	3139.8	2450.1	1928.5	3700.0	5139.7	4192.4	3429.8	2949.5	7150.2	2910.1	6680.1

Appendix (continued)

STATION ID	3536	3538	3540	3542	3544	3546	3548	3704	3706	3708	3710
MONTH/DAY/YEAR	7/ 2/87	7/ 3/87	7/ 3/87	7/10/87	7/11/87	7/11/87	7/19/87	5/28/87	6/ 4/87	6/ 4/87	6/ 6/87
LATITUDE START	56 40.7	56 38.9	56 38.8	56 39.9	56 41.8	56 39.0	56 40.7	57 0.5	56 59.5	56 58.5	57 0.1
LONGITUDE START	168 55.7	169 29.9	170 6.8	170 44.1	171 21.4	171 55.0	172 34.5	159 7.8	159 42.3	160 20.0	160 54.5
LATITUDE END	56 39.9	56 38.8	56 40.1	56 38.6	56 40.2	56 40.3	56 41.7	56 59.3	57 1.0	56 59.9	56 58.8
LONGITUDE END	168 53.6	169 31.9	170 7.6	170 43.4	171 22.1	171 56.6	172 36.8	159 10.0	159 42.3	160 20.7	160 53.4
LORAN START	34955.30	35059.10	18535.00	18397.50	18203.90	17983.60	17741.50	33181.00	33261.50	18704.40	33425.00
LORAN START	49626.80	49822.50	49997.50	35127.60	35066.20	50161.30	50173.20	45713.30	45944.80	46157.50	46428.60
LORAN END	34951.10	35064.30	18543.00	18391.90	18190.40	17979.90	17731.50	33191.90	33253.60	18705.90	33429.30
LORAN END	49612.30	49833.50	50007.40	35129.00	35068.50	50164.10	50174.50	45728.10	45943.90	46201.60	46421.40
GEAR DEPTH	53	39	54	61	54	70	80	17	30	33	39
DURATION IN HOURS	0.50	0.33	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.41	1.12	1.44	1.37	1.70	1.63	1.66	1.70	1.50	1.45	1.47
PERFORMANCE / GEAR	0 / 42	0 / 38	0 / 42	0 / 38	0 / 43	0 / 38	0 / 43	0 / 38	0 / 38	0 / 42	0 / 38
POLLOCK	955.5	0.0	3588.6	1756.0	1677.5	358.0	615.0	0.0	287.6	192.7	54.0
PAC COD	56.0	9.4	201.1	173.0	87.4	234.0	322.0	278.2	189.1	117.7	1458.2
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	17.9	1352.1	31.1	13.0	25.2	24.3	0.0	51.1	38.0	1.3	135.0
EELPOUTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER RNDFISH	0.5	17.5	11.0	3.2	0.0	1.0	0.1	2.8	20.0	20.1	13.5
TOT ROUNDFISH	1029.9	1379.0	3831.8	1945.2	1790.1	617.3	937.1	332.1	534.7	331.8	1660.7
YELLOW SOLE	0.0	7.4	0.0	0.0	0.0	0.0	0.0	1101.5	729.7	960.7	4131.6
ROCK SOLE	182.5	1461.3	12.1	0.0	1.7	2.3	4.0	1260.5	1294.2	648.9	1431.2
FLATHEAD SOLE	374.0	0.0	126.0	113.0	304.9	38.0	10.0	0.0	32.0	74.9	222.8
ALASKA PLAICE	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	13.4	243.0
GREENLAND TRT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARROWTOOTH FL	118.0	28.0	101.9	53.0	99.9	60.0	36.0	0.0	0.0	0.0	13.5
PAC HALIBUT	0.0	139.0	163.0	37.7	110.9	0.0	11.9	0.5	12.8	14.7	0.0
OTHER FLTFISH	1.8	0.0	0.0	16.0	3.1	41.0	7.0	96.5	0.0	2.7	0.0
TOT FLATFISH	682.3	1635.7	403.0	219.7	520.5	141.3	68.9	2459.0	2070.0	1715.3	6042.1
SKATES	41.0	0.0	268.1	76.0	147.8	0.5	22.0	0.0	71.9	53.5	0.0
TOT ELASMOBRH	41.0	0.0	268.1	76.0	147.8	0.5	22.0	0.0	71.9	53.5	0.0
RED KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	18.0	13.0	423.5
BLUE KING CRAB	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	55.4	2.3	54.5	7.0	3.3	5.5	0.5	0.0	30.0	44.0	76.5
TANNER, OPILIO	156.8	0.0	3.8	3.6	15.6	0.0	0.0	0.0	0.0	0.0	0.5
TANNER, HYBRID	1.5	0.2	0.0	0.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0
OTHER CRAB	38.6	603.8	71.0	69.0	75.2	25.3	2.1	6.2	31.3	21.4	33.8
SNAILS	2.0	68.0	20.3	27.3	36.8	26.5	6.8	0.0	0.0	2.7	0.0
SHRIMP	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.6	0.5	0.0	0.0
STARFISH	44.6	46.3	30.3	63.5	89.6	300.3	56.4	1728.9	1082.0	1418.3	499.6
SQUID	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	51.5	0.0	0.0	0.0	34.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	0.8	555.6	14.0	3.0	13.5	6.4	0.2	9.1	148.9	141.8	263.3
TOTAL INVERTS	299.7	1327.8	193.9	173.9	234.0	398.5	66.2	1748.8	1310.7	1641.2	1297.2
EMPTY SHELLS	3.5	307.4	3.2	0.0	4.2	4.6	1.0	0.0	2.7	8.0	0.0
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	2056.4	4649.9	4700.0	2414.8	2696.6	1162.2	1095.2	4539.9	3990.0	3749.8	9000.0

Appendix (continued)

STATION ID	3712	3714	3716	3718	3720	3722	3724	3726	3728	3730	3732
MONTH/DAY/YEAR	6/ 6/87	6/ 7/87	6/ 9/87	6/14/87	6/14/87	6/20/87	6/20/87	6/23/87	6/23/87	6/26/87	6/26/87
LATITUDE START	57 0.5	56 59.6	56 58.6	57 0.5	57 1.1	56 59.0	56 58.4	57 0.7	57 1.4	57 1.0	56 58.7
LONGITUDE START	161 33.1	162 10.1	162 47.3	163 22.1	153 59.3	164 36.9	165 13.1	165 51.0	166 27.9	167 5.1	167 41.8
LATITUDE END	56 59.6	57 1.1	57 0.1	56 59.0	56 59.8	57 0.4	56 59.9	56 59.1	57 0.2	57 2.6	57 0.2
LONGITUDE END	161 35.0	162 10.5	162 47.4	163 22.3	163 56.8	164 35.8	165 13.6	165 51.0	166 28.0	167 6.3	167 42.5
LORAN START	33516.80	33615.60	33718.50	33803.10	33904.60	34026.70	34139.60	34245.80	34380.90	34487.60	34626.70
LORAN START	46687.30	46935.70	47185.20	47418.50	47667.40	47920.70	48164.00	48417.10	48664.00	48913.50	49159.70
LORAN END	33526.70	33608.30	33710.90	33812.10	33910.90	34015.60	34132.80	34254.50	34368.40	34483.00	34620.90
LORAN END	46700.30	46937.50	47185.40	47420.20	47664.70	47913.00	48166.20	48417.90	48665.30	48920.70	49164.20
GEAR DEPTH	37	31	33	35	37	37	39	38	40	39	42
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.41	1.52	1.44	1.55	1.41	1.54	1.47	1.54	1.27	1.66	1.60
PERFORMANCE / GEAR	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42
POLLOCK	389.1	110.0	31.0	214.0	20.0	370.2	59.4	2788.4	613.7	2018.4	9504.8
PAC COD	46.8	31.0	21.0	68.5	53.3	88.9	135.4	55.8	259.3	282.1	817.8
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROCKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	57.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.5	0.0
EELPOUTS	0.0	0.0	0.4	0.0	1.3	2.9	19.8	0.0	8.6	0.0	10.0
OTHER ROUNDFISH	7.6	8.0	0.2	0.8	3.3	0.2	1.0	0.4	5.2	1.8	3.0
TOT ROUNDFISH	500.5	153.0	53.1	283.3	77.9	462.2	215.6	2844.6	886.8	2351.8	10339.6
YELLOW SOLE	3036.5	238.5	725.0	507.0	2750.2	1342.8	1093.0	703.6	2878.3	505.5	269.3
ROCK SOLE	646.5	121.5	113.0	48.0	239.7	30.0	118.9	543.5	82.1	249.1	289.2
FLATHEAD SOLE	181.4	65.5	62.0	47.0	86.6	162.3	338.8	195.4	47.5	20.1	24.9
ALASKA PLAICE	49.7	11.5	21.0	19.0	1877.9	397.9	617.5	141.5	21.6	65.9	0.0
GREENLAND TBT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARROWTOOTH FL	0.0	0.1	2.0	0.0	0.0	0.0	0.0	0.4	13.0	69.6	99.7
PAC HALIBUT	66.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER FLTFISH	35.1	38.6	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
TOT FLATFISH	4015.4	475.7	925.0	621.0	4954.4	1933.0	2166.2	1584.4	3042.5	910.2	688.1
SKATES	0.0	9.0	9.0	32.5	113.2	28.9	0.0	111.7	121.0	6.6	0.0
TOT ELASMOBRH	0.0	9.0	9.0	32.5	113.2	28.9	0.0	111.7	121.0	6.6	0.0
RED KING CRAB	112.0	123.5	294.0	201.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	17.0	56.0	57.0	109.5	34.5	3.3	2.0	3.3	4.5	18.3	5.6
TANNER, OPILIO	5.0	2.0	5.0	9.5	2.0	11.5	6.5	52.0	7.5	28.2	16.1
TANNER, HYBRID	0.0	0.0	0.0	2.0	0.0	0.3	0.0	0.5	0.0	2.4	0.0
OTHER CRAB	8.8	5.3	25.1	43.4	33.3	12.2	22.1	70.4	257.7	583.2	341.1
SNAILS	1.2	2.0	62.0	126.1	79.9	133.6	163.2	213.4	299.1	207.2	73.9
SHRIMP	0.0	0.1	0.0	0.3	0.0	0.0	0.3	0.0	0.9	0.0	0.0
STARFISH	23.4	84.0	28.0	0.0	66.6	91.6	400.1	284.8	354.3	822.4	93.8
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	113.5	281.0	15.7	6.8	16.7	2.2	11.0	27.1	120.2	4.0	172.6
TOTAL INVERTS	280.9	553.9	486.8	498.6	256.0	254.7	605.2	651.5	1044.2	1665.7	703.1
EMPTY SHELLS	3.2	2.5	12.0	71.3	86.6	1.1	12.9	17.9	90.8	195.6	269.3
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	4800.0	1194.1	1485.9	1506.7	5488.1	2679.9	2999.9	5210.1	5185.3	5129.9	12000.1

Appendix (continued)

STATION IC	3734	3736	3738	3740	3742	3744	3746	3748	3750	3902	3904
MONTH/DAY/YEAR	7/ 1/87	7/ 2/87	7/ 3/87	7/ 3/87	7/10/87	7/11/87	7/11/87	7/19/87	7/18/87	5/27/87	5/28/87
LATITUDE START	57 0.3	56 58.6	56 59.5	56 59.6	56 60.0	57 1.4	57 1.3	56 58.7	57 1.8	57 20.2	57 20.6
LONGITUDE START	168 20.9	168 57.7	169 35.2	170 12.9	170 47.8	171 23.9	172 0.8	172 38.7	173 17.5	158 23.8	159 2.8
LATITUDE END	56 58.7	56 57.0	57 0.3	57 1.1	56 58.5	56 59.8	57 2.7	57 0.2	57 3.3	57 21.3	57 19.1
LONGITUDE END	168 20.8	168 57.8	169 37.4	170 11.3	170 48.3	171 23.8	172 1.1	172 39.2	173 18.2	158 24.7	159 2.5
LORAN START	34756.90	34898.00	35029.90	18679.90	18502.80	18277.10	18036.00	17781.60	17538.70	32986.90	33064.00
LORAN START	49421.00	49665.00	49911.20	50123.50	35089.70	34993.50	34901.30	34821.50	34713.80	45413.30	45674.00
LORAN END	34764.60	34905.40	35034.80	18696.10	18492.50	18272.20	18038.60	17783.00	17538.60	32982.60	33071.80
LORAN END	49419.90	49664.60	49926.50	50124.70	35093.10	35001.20	34893.20	34813.00	34704.00	45419.20	45672.60
GEAR DEPTH	43	44	33	38	52	59	63	68	79	16	25
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.62	1.58	1.45	1.76	1.51	1.62	1.45	1.47	1.58	1.25	1.54
PERFORMANCE / GEAR	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 43	0 / 38	0 / 43	0 / 38	0 / 38	0 / 38
POLLOCK	0.4	2532.3	0.0	0.6	226.0	280.0	860.0	2895.6	507.0	50.5	64.9
PAC COD	68.3	308.1	46.2	572.3	91.0	62.0	106.5	226.2	60.0	946.3	616.4
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	164.1	102.4	345.1	126.6	113.2	53.5	2.2	7.0	0.4	88.7	13.3
EELPOUTS	0.7	0.0	0.0	0.0	5.1	19.0	1.0	0.0	0.5	0.0	0.0
OTHER RNDFISH	0.7	0.9	46.6	186.7	13.6	23.7	0.4	0.0	0.1	5.6	1.4
TOT ROUNDFISH	234.2	2943.7	437.9	886.2	448.9	438.2	970.1	3128.8	568.0	1105.1	696.0
YELLOW SOLE	17.6	16.3	134.1	31.0	0.0	0.0	0.0	0.0	0.0	1286.1	1805.6
ROCK SOLE	356.9	360.7	562.7	1597.7	6.8	0.0	5.0	0.0	10.0	1521.9	1663.1
FLATHEAD SOLE	13.2	8.2	0.0	6.0	200.0	125.8	150.0	591.6	26.0	0.0	0.0
ALASKA PLAICE	17.6	19.0	0.0	0.0	118.0	0.0	0.0	0.0	0.0	2.8	7.1
GREENLAND TBT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARROWTOOTH FL	39.7	65.3	50.6	90.0	148.0	134.3	67.0	146.2	179.0	0.0	0.0
PAC HALIBUT	0.0	0.0	9.6	64.1	59.9	64.4	18.8	35.1	18.4	0.7	3.4
OTHER FLTFISH	0.0	0.0	0.0	0.0	0.2	1.0	9.0	8.7	31.0	11.2	0.8
TOT FLATFISH	445.0	469.5	757.0	1788.8	532.9	325.5	249.8	781.6	264.4	2822.7	3480.0
SKATES	101.3	79.8	184.6	76.0	147.0	121.0	0.3	170.5	72.5	0.0	180.6
TOT ELASMOBRH	101.3	79.8	184.6	76.0	147.0	121.0	0.3	170.5	72.5	0.0	180.6
RED KING CRAB	0.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
BLUE KING CRAB	0.0	0.0	38.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	6.6	2.0	208.1	13.0	64.0	6.5	5.9	2.6	2.4	0.0	5.5
TANNER, OPILIO	820.0	275.1	2.2	0.0	31.4	41.0	1.8	1.1	0.0	0.0	0.0
TANNER, HYBRID	4.5	1.3	3.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0
OTHER CRAB	67.6	6.7	313.7	222.7	180.8	118.4	73.4	108.6	47.0	5.1	19.7
SNAILS	11.4	0.0	133.7	438.2	94.2	26.2	33.3	47.6	33.3	1.1	0.6
SHRIMP	0.0	0.0	0.0	0.0	0.2	1.8	0.2	0.0	0.1	0.0	0.0
STARFISH	30.8	15.0	841.9	185.9	168.0	52.7	282.1	34.8	145.5	463.3	2391.1
SQUID	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	25.0	0.0	0.0	17.4	15.0	0.0	0.0
OTHER INVERTS	42.7	3.7	323.1	146.9	4.5	4.4	12.5	0.0	44.8	32.6	9.0
TOTAL INVERTS	983.6	303.8	1871.9	1008.2	570.9	251.0	409.2	212.1	289.1	502.1	2433.4
EMPTY SHELLS	56.0	3.3	568.9	90.6	434.0	21.5	15.7	7.0	14.4	0.0	0.0
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	1820.1	3800.1	3820.3	3849.8	2133.7	1157.2	1645.1	4300.0	1208.4	4429.9	6790.0

Appendix (continued)

STATION IC	3906	3908	3910	3912	3914	3916	3918	3920	3922	3924	3926
MONTH/DAY/YEAR	6/ 4/87	6/ 4/87	6/ 5/87	6/ 6/87	6/ 7/87	6/ 9/87	6/13/87	6/14/87	6/20/87	6/20/87	6/23/87
LATITUDE START	57 19.4	57 19.0	57 20.2	57 21.7	57 19.4	57 20.5	57 20.4	57 21.5	57 19.6	57 18.6	57 19.5
LONGITUDE START	159 39.5	160 16.2	160 55.2	161 31.7	162 8.5	162 47.0	163 23.0	163 59.4	164 37.3	165 13.7	165 51.5
LATITUDE END	57 20.9	57 20.2	57 18.7	57 20.0	57 21.1	57 19.7	57 19.0	57 20.1	57 21.1	57 20.1	57 19.1
LONGITUDE END	159 40.2	160 17.3	160 55.0	161 32.1	162 7.9	162 46.9	163 23.3	163 59.3	164 36.6	165 14.0	165 51.6
LORAN START	33148.70	18724.00	33315.20	33394.40	33499.10	33592.30	33689.70	33784.60	33906.00	34022.20	34133.50
LORAN START	45920.00	46165.80	46425.80	46665.90	46916.80	47173.50	47414.20	47656.90	47911.40	48156.00	48407.50
LORAN END	33142.00	18725.00	33323.80	33404.90	33488.00	33596.80	33698.90	33793.00	33894.60	34012.90	34143.20
LORAN END	45924.40	46172.50	46425.40	46672.80	46912.10	47173.70	47417.00	47657.40	47906.10	48156.30	48409.80
GEAR DEPTH	29	32	34	30	27	26	27	33	34	36	36
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.25	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.54	1.34	1.57	1.68	1.66	0.77	1.39	1.39	1.57	1.60	1.45
PERFORMANCE / GEAR	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38
POLLOCK	253.4	204.6	72.8	136.2	99.1	770.1	146.4	37.1	358.8	121.3	243.1
PAC COD	54.1	228.8	47.1	136.2	302.1	256.7	238.1	58.4	46.1	193.4	64.2
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROCKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	12.8	22.8	0.6	0.0	9.9	0.0	17.5	0.0	0.0	0.0	0.0
EELPOUTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	8.7	13.8
OTHER ROUNDFISH	4.6	9.7	17.5	13.2	0.0	1.1	15.3	1.3	0.6	0.9	0.5
TOT ROUNDFISH	324.9	465.9	138.0	285.6	411.1	1027.9	417.3	96.8	408.4	324.3	321.6
YELLOW SOLE	556.7	393.0	272.9	2471.1	7998.5	3554.2	2066.7	1180.7	1496.2	1221.2	749.8
ROCK SOLE	992.4	2142.4	504.2	396.5	2624.9	517.0	727.5	161.8	191.2	63.5	73.4
FLATHEAD SOLE	31.3	40.4	119.9	238.3	89.1	12.7	74.3	23.9	56.9	75.1	37.8
ALASKA PLAICE	0.9	53.8	57.8	210.3	346.7	126.5	41.5	82.2	604.9	92.4	14.9
GREENLAND TOT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARROWTOOTH FL	0.0	0.0	2.1	3.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0
PAC HALIBUT	8.8	8.3	10.0	10.7	0.0	6.5	10.0	0.0	8.0	22.0	45.8
OTHER FLTFISH	0.6	61.9	1.1	21.0	9.9	7.2	4.4	0.0	0.0	0.0	0.0
TOT FLATFISH	1590.7	2699.8	968.0	3350.9	11069.1	4224.1	2924.4	1448.6	2357.2	1474.8	921.7
SKATES	0.0	35.0	38.5	70.1	138.7	0.0	0.0	0.0	14.7	106.8	16.1
TOT ELASMOBRH	0.0	35.0	38.5	70.1	138.7	0.0	0.0	0.0	14.7	106.8	16.1
RED KING CRAB	36.0	69.5	61.5	208.0	87.5	265.5	8.0	111.0	122.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	30.0	233.0	57.5	139.0	257.0	205.0	74.0	384.5	82.0	6.5	8.7
TANNER, OPILIO	0.0	0.0	0.0	1.5	2.0	1.0	1.5	13.0	22.0	140.0	82.5
TANNER, HYBRID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	2.9
OTHER CRAB	10.9	48.9	8.6	33.2	14.9	13.3	53.4	186.5	135.9	46.0	80.7
SNAILS	0.0	4.3	5.3	25.2	0.0	27.1	351.8	175.1	61.0	150.3	181.7
SHRIMP	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
STARFISH	1727.0	1055.4	25.7	63.1	0.0	3.6	157.2	144.6	51.4	442.9	257.0
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	84.9	165.8	435.7	615.3	19.8	3.6	17.1	15.1	59.6	65.5	44.0
TOTAL INVERTS	1888.8	1616.9	594.7	1085.3	381.2	519.1	663.0	1029.8	559.9	851.5	657.5
EMPTY SHELLS	5.7	7.2	10.7	8.0	0.0	3.6	65.5	124.7	119.8	43.3	13.1
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	3810.1	4824.8	1749.9	4799.9	12000.1	5774.7	4070.2	2699.9	3460.0	2800.7	1930.0

Appendix (continued)

STATION ID	3928	3930	3932	3934	3936	3938	3940	3942	3944	3946	3948
MONTH/DAY/YEAR	6/23/87	6/27/87	6/26/87	7/ 1/87	7/ 1/87	7/ 5/87	7/ 5/87	7/10/87	7/11/87	7/11/87	7/19/87
LATITUDE START	57 21.2	57 20.9	57 19.0	57 19.7	57 20.7	57 19.4	57 19.5	57 20.8	57 21.1	57 19.8	57 16.1
LONGITUDE START	166 29.2	167 6.2	167 43.8	168 22.6	169 1.1	169 38.0	170 14.4	170 51.1	171 27.5	172 7.0	172 41.9
LATITUDE END	57 19.9	57 22.3	57 20.7	57 18.3	57 19.8	57 20.9	57 20.4	57 19.2	57 19.7	57 21.0	57 17.7
LONGITUDE END	166 30.4	167 5.6	167 45.0	168 22.4	168 59.3	169 37.7	170 12.8	170 51.2	171 27.7	172 8.2	172 43.0
LORAN START	34243.60	34365.30	34511.00	34642.90	34774.00	34916.40	18707.80	18517.40	18289.70	18036.20	17805.50
LORAN START	48657.40	48904.60	49157.70	49414.30	49666.30	49908.50	35010.60	34949.10	34860.80	34773.90	34714.50
LORAN END	34256.60	34357.10	34503.20	34652.20	34774.00	34902.30	18709.00	18516.10	18287.70	18030.20	17801.50
LORAN END	48666.70	48858.20	49162.50	49415.40	49656.30	49901.30	34998.50	34963.30	34871.20	34762.70	34702.00
GEAR DEPTH	37	38	40	40	39	33	29	44	55	58	62
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.50	1.51	1.84	1.42	1.32	1.46	1.26	1.61	1.43	1.35	1.66
PERFORMANCE / GEAR	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 43
POLLOCK	128.7	333.8	1414.7	1044.0	1132.4	47.2	0.0	713.5	446.5	5286.7	9.0
PAC COD	149.0	75.7	123.3	200.5	169.4	258.0	0.0	240.6	31.0	39.5	30.0
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	8.0	10.9	52.8	11.8	53.5	52.8	23.5	764.7	10.8	2.0	52.0
EELPOUTS	2.0	0.0	29.3	0.0	0.0	0.0	0.0	0.0	11.9	2.0	0.0
OTHER RNDFISH	2.0	8.9	8.8	7.7	33.0	3.8	0.0	2.7	0.6	0.0	17.0
TOT ROUNDFISH	289.7	429.3	1628.9	1264.0	1388.3	361.8	23.5	1721.5	500.8	5330.2	108.0
YELLOW SOLE	442.0	984.0	1743.4	200.5	160.5	84.9	0.0	2.1	0.0	0.0	0.0
ROCK SOLE	38.0	153.3	446.1	253.6	441.4	1013.0	3320.2	280.4	1.1	54.2	29.0
FLATHEAD SOLE	21.0	66.0	223.1	57.8	0.0	12.6	0.0	138.1	59.5	83.8	1730.0
ALASKA PLAICE	17.0	157.2	99.8	53.1	26.7	40.9	0.0	83.7	3.5	49.3	0.0
GREENLAND TOT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARROWTOOTH FL	2.0	9.7	47.0	61.9	62.4	22.0	0.0	29.3	32.0	128.2	358.0
PAC HALIBUT	19.6	31.7	6.2	0.0	0.0	0.0	328.7	15.8	24.4	7.6	21.9
OTHER FLTFISH	0.0	5.0	0.0	0.0	0.0	0.0	0.0	1.7	1.5	17.3	2.5
TOT FLATFISH	539.6	1406.9	2565.6	626.9	691.0	1173.4	3648.9	551.1	122.0	340.4	2141.4
SKATES	58.0	11.6	0.0	70.8	196.2	81.8	0.0	154.8	77.5	124.8	57.0
TOT ELASMOBRH	58.0	11.6	0.0	70.8	196.2	81.8	0.0	154.8	77.5	124.8	57.0
RED KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	17.3	45.5	3.5	7.8	0.0	0.0	0.0
TANNER, BAIRDI	0.0	6.2	5.1	5.2	13.0	161.0	0.6	252.6	6.4	5.3	3.4
TANNER, OPILIO	0.0	553.2	446.0	902.9	213.0	1670.3	0.0	63.0	71.4	11.0	1.5
TANNER, HYBRID	0.0	0.0	0.0	1.8	10.0	60.3	0.0	11.1	0.0	1.0	0.0
OTHER CRAB	68.3	269.4	358.7	163.4	364.5	31.3	62.9	140.9	63.3	77.4	37.3
SNAILS	131.2	182.3	318.0	4.7	40.2	0.0	0.0	552.0	32.5	44.4	31.8
SHRIMP	0.0	0.0	0.0	0.0	19.5	0.0	0.0	0.2	2.3	0.0	0.0
STARFISH	60.8	135.5	111.4	38.3	41.0	465.6	560.7	968.8	160.0	133.2	18.6
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	176.9	160.6	17.6	408.7	1657.9	291.7	85.2	24.7	5.8	0.0	0.4
TOTAL INVERTS	437.2	1307.2	1256.8	1525.0	2376.5	2726.0	712.9	2021.1	341.7	272.3	93.0
EMPTY SHELLS	58.9	94.7	148.5	323.2	448.1	96.9	43.1	61.3	8.6	12.3	5.0
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	1383.4	3249.7	5599.8	3809.9	5100.1	4439.9	4428.4	4509.8	1050.6	6080.0	2404.4

Appendix (continued)

STATION ID	3950	4102	4104	4106	4108	4110	4112	4114	4116	4118	4120
MONTH/DAY/YEAR	7/18/87	5/27/87	5/28/87	6/ 4/87	6/ 4/87	6/ 5/87	6/ 6/87	6/ 8/87	6/10/87	6/13/87	6/13/87
LATITUDE START	57 20.9	57 42.3	57 40.2	57 38.6	57 39.5	57 41.2	57 40.7	57 39.7	57 39.7	57 40.8	57 41.1
LONGITUDE START	173 20.3	158 19.3	159 1.1	159 39.5	160 15.1	160 53.0	161 29.8	162 7.2	162 44.9	163 22.3	164 0.8
LATITUDE END	57 22.5	57 40.9	57 38.6	57 39.6	57 41.0	57 39.7	57 39.2	57 41.2	57 41.4	57 39.2	57 39.7
LONGITUDE END	173 20.6	158 18.9	159 1.7	159 41.7	160 15.4	160 52.2	161 30.3	162 8.0	162 45.3	163 23.1	164 0.6
LORAN START	17568.60	32857.40	32951.60	33040.60	18738.30	33186.40	33274.70	33371.70	33467.00	33558.40	33661.30
LORAN START	34594.50	45385.40	45662.50	45917.60	46154.00	46404.90	46649.10	46898.10	47148.00	47395.60	47650.20
LORAN END	17569.70	32864.60	32961.90	33039.10	18739.10	33193.30	33285.50	33364.10	33457.30	33571.10	33669.60
LORAN END	34584.10	45382.30	45666.20	45932.20	46155.40	46400.20	46653.60	46902.30	47149.50	47402.00	47649.80
GEAR DEPTH	66	19	24	26	29	29	28	25	23	24	26
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.51	1.45	1.63	1.59	1.44	1.48	1.55	1.55	1.67	1.66	1.34
PERFORMANCE / GEAR	0 / 38	0 / 38	0 / 38	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42
POLLOCK	0.2	192.0	202.5	502.0	700.2	316.0	2912.4	309.8	462.7	170.4	83.1
PAC COD	103.0	240.5	57.0	91.0	8.0	31.1	95.5	202.1	75.4	65.4	99.7
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROCKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	4.6	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	17.1	21.3	6.3	0.0	9.3	14.4	0.0	4.0	6.9	6.1	22.2
EELPOUTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER RNDFISH	2.6	1.0	0.6	0.2	21.3	13.7	1.2	1.3	1.0	0.9	2.8
TOT ROUNDFISH	122.9	454.8	266.4	593.2	738.8	375.2	3009.1	518.8	546.0	247.4	207.8
YELLOW SOLE	0.0	504.5	417.0	20.0	881.2	1427.8	5037.1	1223.1	670.6	702.8	3401.5
ROCK SOLE	92.5	475.5	201.5	5.0	1126.1	807.8	382.0	563.7	607.4	920.3	592.8
FLATHEAD SOLE	434.5	0.0	0.0	0.0	24.0	71.8	131.3	106.4	34.7	39.6	49.9
ALASKA PLAICE	0.0	0.2	0.2	0.0	16.0	81.4	393.9	79.8	14.3	21.3	144.0
GREENLAND TBT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARROWTOOTH FL	245.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5
PAC HALIBUT	61.5	3.8	3.0	1.8	48.4	3.8	0.0	39.1	48.7	11.4	42.9
OTHER FLTFISH	3.5	29.0	4.5	0.0	0.0	0.0	23.9	13.3	18.3	1.8	0.0
TOT FLATFISH	837.0	1013.0	626.2	26.8	2095.7	2392.6	5968.2	2025.4	1394.0	1697.2	4236.6
SKATES	70.0	0.0	0.0	0.0	34.6	91.0	214.9	53.2	63.2	0.0	0.0
TOT ELASMOBRH	70.0	0.0	0.0	0.0	34.6	91.0	214.9	53.2	63.2	0.0	0.0
RED KING CRAB	0.0	5.0	4.5	0.0	105.5	19.0	81.0	93.0	37.8	10.5	12.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	1.0	0.0	0.0	0.2	88.0	46.5	31.0	19.0	36.7	5.0	50.0
TANNER, OPILIO	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, HYBRID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER CRAB	41.6	1.5	1.7	1.1	32.0	49.0	96.6	16.0	20.4	63.3	649.8
SNAILS	18.4	0.0	0.3	0.0	38.6	102.4	107.4	27.1	10.2	205.6	296.4
SHRIMP	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.0
STARFISH	67.0	292.0	249.0	166.0	229.0	237.0	95.5	519.6	440.3	675.4	133.0
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	2.9	29.3	4.4	6.5	132.4	276.5	395.1	50.0	0.4	20.1	16.6
TOTAL INVERTS	130.9	328.1	260.0	173.8	625.8	730.4	806.6	725.0	545.8	960.2	1157.8
EMPTY SHELLS	3.0	0.0	0.0	0.0	5.3	91.0	1.2	8.0	0.8	15.2	197.8
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	1163.8	1755.9	1152.6	793.8	3500.2	3680.2	10000.0	3330.4	2549.8	2940.0	5800.0

Appendix (continued)

STATION ID	4122	4124	4126	4128	4130	4132	4134	4136	4138	4140	4142
MONTH/DAY/YEAR	6/20/87	6/20/87	6/23/87	6/23/87	6/27/87	6/27/87	6/30/87	6/30/87	7/ 5/87	7/ 5/87	7/10/87
LATITUDE START	57 39.4	57 38.6	57 40.2	57 41.5	57 39.7	57 40.4	57 40.4	57 40.9	57 39.9	57 39.3	57 39.8
LONGITUDE START	164 38.3	165 14.3	165 54.1	166 30.0	167 7.8	167 45.3	168 26.4	169 4.1	169 38.9	170 18.0	170 52.8
LATITUDE END	57 41.0	57 40.1	57 38.6	57 39.9	57 41.2	57 41.9	57 39.6	57 40.1	57 41.4	57 40.3	57 38.3
LONGITUDE END	164 37.8	165 14.1	165 54.5	166 30.5	167 7.9	167 45.3	168 28.8	169 2.2	169 38.6	170 15.9	170 52.8
LORAN START	33778.50	33890.10	33999.40	34101.80	34236.60	34353.00	34487.80	34600.70	34706.00	18614.10	18465.80
LORAN START	47899.80	48138.50	48398.40	48632.10	48881.90	49122.90	49384.50	49611.90	49810.60	34769.60	34747.90
LORAN END	33766.30	33878.70	34012.40	34115.60	34225.30	34340.90	34502.50	34603.70	34688.20	18616.90	18470.30
LORAN END	47894.60	48135.10	48404.00	48638.40	48879.60	49119.20	49402.10	49604.50	49800.30	34755.90	34765.20
GEAR DEPTH	28	33	34	36	36	37	37	37	38	39	46
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.57	1.53	1.60	1.63	1.50	1.46	1.50	1.35	1.52	1.55	1.55
PERFORMANCE / GEAR	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38
POLLOCK	307.1	241.1	0.7	111.1	230.3	690.1	765.9	1938.4	682.7	463.8	1890.2
PAC COD	155.4	180.8	512.1	249.2	124.2	283.4	234.8	200.9	7.0	18.8	25.0
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROCKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	26.1	8.9	113.3	12.0	36.8	97.1	57.7	254.1	19.2	34.6	53.6
EELPOUTS	0.0	12.4	1.7	4.2	16.9	6.6	0.0	0.0	0.0	4.4	23.6
OTHER RNDFISH	28.8	4.7	0.6	3.0	3.4	3.9	10.8	41.4	4.0	6.9	1.1
TOT ROUNDFISH	557.4	447.9	628.4	379.5	411.6	1081.1	1069.2	2434.8	712.9	528.5	1993.5
YELLOW SOLE	1772.8	1995.9	832.6	480.5	905.4	317.5	560.0	295.5	227.6	6.6	35.7
ROCK SOLE	460.6	762.2	62.7	18.0	103.9	391.0	260.1	413.7	676.7	123.7	275.1
FLATHEAD SOLE	74.4	31.9	73.2	84.1	36.1	11.8	66.8	135.9	45.9	17.7	268.0
ALASKA PLAICE	204.7	336.8	104.5	30.0	126.4	32.8	79.5	461.0	632.4	158.8	107.2
GREENLAND TBT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARROWTOOTH FL	0.0	0.0	0.0	0.0	0.0	9.7	0.0	65.0	20.0	3.3	78.6
PAC HALIBUT	0.0	0.0	0.0	0.0	0.0	40.4	0.0	0.0	2.8	0.0	36.1
OTHER FLTFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.3	0.0
TOT FLATFISH	2512.5	3126.8	1073.0	612.6	1171.8	803.2	966.4	1372.3	1805.4	310.4	800.7
SKATES	0.0	68.6	20.9	0.0	0.0	48.5	140.9	0.0	101.8	137.8	389.5
TOT ELASMOBRH	0.0	88.6	20.9	0.0	0.0	48.5	140.9	0.0	101.8	137.8	389.5
RED KING CRAB	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	10.8	6.5
TANNER, BAIRDI	42.7	3.3	3.2	3.0	4.1	2.0	0.1	11.1	20.3	4.5	8.8
TANNER, OPILIO	0.7	7.3	294.0	450.4	876.8	360.9	61.8	1303.5	511.0	92.2	158.9
TANNER, HYBRID	0.3	0.0	0.0	0.0	3.6	0.0	0.7	8.9	5.5	1.1	2.4
OTHER CRAB	292.3	653.0	176.6	106.0	153.8	154.7	143.4	27.2	253.1	395.5	53.3
SNAILS	208.5	170.9	359.2	100.0	83.3	253.1	96.5	0.0	1.6	29.5	265.1
SHRIMP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
STARFISH	38.2	109.9	292.6	142.9	142.4	113.0	152.8	242.3	297.5	168.8	425.2
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	573.3	76.6	28.6	25.2	298.0	269.8	194.5	455.1	2.6	11.6	21.1
TOTAL INVERTS	1159.7	1021.0	1154.2	827.5	1562.0	1153.5	649.8	2048.1	1108.2	714.1	941.3
EMPTY SHELLS	260.6	165.9	123.3	10.2	114.4	133.6	43.7	23.6	121.8	1008.6	25.0
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	4490.2	4850.2	2999.8	1829.8	3259.8	3219.9	2870.0	5878.8	3850.1	2699.4	4150.0

Appendix (continued)

STATION ID	4144	4146	4148	4150	4302	4304	4306	4308	4310	4312	4314
MONTH/DAY/YEAR	7/10/87	7/11/87	7/19/87	7/18/87	5/27/87	5/28/87	6/ 4/87	6/ 5/87	6/ 5/87	6/ 6/87	6/ 8/87
LATITUDE START	57 41.6	57 38.7	57 38.9	57 40.5	57 58.8	57 57.9	57 59.2	57 58.6	58 0.6	57 58.6	57 59.5
LONGITUDE START	171 32.2	172 6.4	172 47.8	173 23.9	158 19.2	158 59.5	159 35.7	160 12.4	160 49.8	161 28.2	162 6.3
LATITUDE END	57 40.4	57 40.3	57 40.3	57 41.9	58 0.3	57 56.3	58 0.7	58 0.2	57 59.3	58 0.0	58 0.9
LONGITUDE END	171 31.2	172 6.4	172 47.8	173 23.7	158 19.5	159 1.5	159 36.3	160 11.8	160 51.9	161 28.0	162 7.8
LORAN START	18249.90	18049.50	17797.40	17576.30	32762.50	32844.60	32909.10	18746.70	33057.30	33156.40	33239.80
LORAN START	34668.40	34627.30	34538.50	34450.10	45391.20	45655.10	45893.30	46134.20	46379.00	46631.80	46881.30
LORAN END	18257.00	18045.50	17798.10	17578.80	32754.50	32858.80	32901.30	18747.20	33069.90	33146.60	33234.20
LORAN END	34682.30	34613.30	34527.10	34439.30	45393.80	45667.90	45897.00	46129.70	46353.20	46629.80	46889.90
GEAR DEPTH	54	57	66	80	17	20	21	27	23	28	19
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.35	1.62	1.43	1.48	1.47	2.00	1.48	1.67	1.67	1.42	1.54
PERFORMANCE / GEAR	0 / 42	0 / 38	0 / 43	0 / 38	0 / 38	0 / 38	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38
POLLOCK	720.2	5594.7	7.0	0.2	234.0	23.2	129.3	497.3	89.6	2220.8	119.8
PAC COD	94.7	123.8	1291.0	127.0	893.5	351.0	246.4	321.8	281.8	277.6	28.9
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROCKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.0	0.0	0.0	0.3	13.4	0.0	0.9	0.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	36.6	2.1	16.5	32.5	14.0	12.4	19.0	63.9	34.9	9.2	35.3
EELPOUTS	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0
OTHER RNCFISH	0.2	2.9	8.5	3.0	0.3	1.2	1.1	11.3	0.9	12.1	2.2
TOT ROUNCFISH	855.1	5723.5	1323.0	162.7	1141.8	388.1	409.2	894.3	408.1	2525.7	186.2
YELLOW SOLE	0.0	0.0	0.0	0.0	1042.5	1640.8	956.7	2520.6	856.2	1074.8	398.6
ROCK SOLE	1.0	35.4	9.0	142.5	442.0	1886.7	836.3	1389.5	502.4	1686.9	1067.8
FLATHEAD SOLE	49.0	42.7	145.0	405.0	0.0	0.0	44.6	126.8	16.4	42.7	6.2
ALASKA PLAICE	16.3	0.0	15.0	0.0	0.7	0.8	2.2	14.6	12.0	24.9	0.0
GREENLAND TBT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARROWTOOTH FL	32.7	73.7	181.0	185.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HALIBUT	9.6	47.5	28.6	26.0	36.0	18.0	13.9	6.6	34.8	12.1	15.5
OTHER FLTFISH	0.0	0.0	1.5	12.5	6.0	12.4	27.9	48.8	18.6	7.1	55.8
TOT FLATFISH	108.6	199.3	380.1	771.0	1527.2	3558.7	1881.6	4106.9	1440.4	2848.5	1543.9
SKATES	126.2	70.7	70.0	47.0	0.0	0.0	0.0	0.0	21.8	0.0	80.6
TOT ELASMOBRH	126.2	70.7	70.0	47.0	0.0	0.0	0.0	0.0	21.8	0.0	80.6
RED KING CRAB	0.0	0.0	0.0	0.0	0.0	9.5	2.5	22.0	17.5	22.0	13.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	2.2	3.2	0.7	7.0	0.0	0.0	0.3	3.0	8.0	1.5	0.5
TANNER, OPILIO	376.1	21.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, HYBRID	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER CRAB	57.2	31.2	129.3	158.9	1.7	1.1	2.4	65.8	44.5	54.7	22.1
SNAILS	118.0	34.9	35.5	14.2	0.8	0.5	6.5	69.7	56.1	42.7	4.2
SHRIMP	2.5	0.3	0.2	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.2
STARFISH	127.3	28.0	18.3	3.0	559.5	238.9	452.7	316.9	1058.2	501.8	1429.2
SQUID	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	3.6	8.8	1.5	2.5	10.3	3.1	3.5	119.4	33.4	195.8	12.7
TOTAL INVERTS	687.6	127.6	185.5	194.1	572.3	253.3	468.1	596.8	1217.7	818.5	1481.9
EMPTY SHELLS	22.1	8.8	0.0	59.2	0.0	0.0	0.9	12.2	12.0	7.1	7.2
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	1799.6	6129.9	1958.6	1234.0	3241.3	4200.1	2759.8	5610.2	3100.0	6199.8	3299.8

Appendix (continued)

STATION ID	4316	4318	4320	4322	4324	4326	4328	4330	4332	4334	4336
MONTH/DAY/YEAR	6/10/87	6/13/87	6/13/87	6/20/87	6/20/87	6/23/87	6/23/87	6/27/87	6/27/87	6/30/87	6/30/87
LATITUDE START	57 58.9	58 0.6	58 1.2	57 59.6	57 57.9	58 0.7	58 1.0	57 59.9	57 59.2	58 1.1	58 1.6
LONGITUDE START	162 45.1	163 22.3	164 0.1	164 37.4	165 14.4	165 54.0	166 31.5	167 9.9	167 47.0	168 25.8	169 4.9
LATITUDE END	58 0.2	57 59.1	57 59.3	58 0.8	57 59.4	57 59.1	57 59.5	58 1.3	58 0.7	57 59.6	58 0.2
LONGITUDE END	162 45.2	163 22.3	164 0.6	164 35.4	165 14.2	165 54.2	166 31.8	167 10.8	167 47.5	168 25.6	169 4.4
LORAN START	33339.10	33421.00	33516.30	33630.20	33747.50	33840.50	18745.10	34074.10	34191.70	34285.40	34382.60
LORAN START	47135.60	47377.10	47623.40	47867.90	48110.60	48360.60	48599.20	48844.10	49075.60	49259.10	49512.90
LORAN END	33330.30	33432.00	33531.40	33615.50	33735.60	33853.50	18746.00	34063.80	34179.60	34300.00	34396.20
LORAN END	47135.40	47379.10	47628.80	47852.90	48106.50	48364.70	48604.70	48845.40	49073.40	49304.10	49517.60
GEAR DEPTH	22	22	24	23	27	29	33	34	36	37	38
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.32	1.52	1.90	1.62	1.45	1.56	1.53	1.54	1.46	1.52	1.34
PERFORMANCE / GEAR	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42
POLLOCK	256.7	780.1	97.7	29.0	66.3	426.8	247.5	82.1	83.0	291.1	211.7
PAC COD	144.2	185.2	436.7	45.0	80.5	106.7	607.2	327.2	272.1	198.5	255.2
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROCKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	19.3	63.7	57.7	14.2	27.5	13.3	48.2	21.5	12.4	163.2	38.0
EELPOUTS	0.0	0.0	0.0	0.0	0.0	0.0	4.6	16.7	2.8	0.0	0.0
OTHER ROUNDFISH	2.9	2.1	2.2	3.6	0.9	18.3	2.8	1.6	0.0	30.9	0.9
TOT ROUNDFISH	423.1	1031.1	595.2	91.8	175.2	565.1	910.3	449.1	370.3	683.7	505.8
YELLOW SOLE	928.6	1479.7	1186.5	797.0	1368.7	523.5	1191.4	871.7	529.3	2721.2	672.7
ROCK SOLE	868.1	529.8	810.1	264.0	284.2	303.5	333.4	60.9	123.7	754.2	34.8
FLATHEAD SOLE	34.6	53.2	5.7	1.5	9.5	5.7	34.4	5.3	17.0	22.1	10.1
ALASKA PLAICE	288.4	250.3	439.5	52.0	99.5	173.4	176.4	397.4	839.2	251.4	263.9
GREENLAND TBT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARROWTOOTH FL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	6.6	0.0
PAC HALIBUT	37.3	15.2	87.9	52.5	13.4	0.0	61.6	5.6	10.0	10.1	2.2
OTHER FLTFISH	11.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.0
TOT FLATFISH	2168.5	2331.6	2529.7	1167.0	1775.3	1006.1	1797.2	1340.9	1933.3	3778.8	983.7
SKATES	0.0	0.0	0.0	16.0	52.1	10.0	0.0	11.1	0.0	19.0	0.0
TOT ELASMOBRH	0.0	0.0	0.0	16.0	52.1	10.0	0.0	11.1	0.0	19.0	0.0
RED KING CRAB	5.0	1.5	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
TANNER, BAIRDI	0.5	0.3	2.2	3.8	2.1	0.3	0.7	0.0	6.5	23.0	6.6
TANNER, OPILIO	0.0	0.0	0.0	0.0	0.5	2.0	3.9	21.2	28.0	956.2	221.8
TANNER, HYBRID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	1.0
OTHER CRAB	27.1	28.8	311.3	70.9	571.6	639.9	597.8	440.8	219.8	426.9	330.3
SNAILS	11.8	78.2	114.3	87.1	327.2	221.3	62.4	393.5	50.1	199.3	229.9
SHRIMP	0.3	1.0	0.3	0.1	0.0	0.0	3.2	0.0	0.0	0.0	0.0
STARFISH	608.5	1265.4	741.2	98.0	10.9	305.8	224.9	42.3	69.6	178.6	125.0
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	3.8	5.1	158.3	31.0	3399.0	433.8	538.8	381.9	167.4	499.6	250.8
TOTAL INVERTS	657.0	1380.3	1336.6	290.9	4311.3	1603.1	1431.7	1279.7	541.4	2296.1	1165.4
EMPTY SHELLS	1.4	6.9	37.9	52.1	286.1	335.5	248.8	78.7	54.8	112.5	65.2
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	112.0	0.0	0.0	0.0	0.0
TOTAL CATCH	3250.0	4749.9	4499.4	1617.8	6600.0	3519.8	4500.0	3159.5	2899.8	6890.1	2720.1

Appendix (continued)

STATION ID	4338	4340	4342	4344	4346	4348	4350	4506	4510	4512	4514
MONTH/DAY/YEAR	7/ 6/87	7/ 6/87	7/ 9/87	7/10/87	7/19/87	7/19/87	7/18/87	6/ 4/87	6/ 5/87	6/ 5/87	6/ 8/87
LATITUDE START	57 59.3	57 58.7	58 0.1	58 0.7	57 60.0	57 59.3	58 0.5	58 18.5	58 12.6	58 11.4	58 18.1
LONGITUDE START	169 42.3	170 21.2	170 59.8	171 35.8	172 13.2	172 51.5	173 29.0	159 33.2	160 38.7	161 30.6	162 5.4
LATITUDE END	58 0.8	58 0.0	57 58.7	57 59.4	58 0.1	58 0.6	58 1.9	58 19.9	58 12.5	58 11.3	58 19.1
LONGITUDE END	169 42.5	170 20.2	170 58.5	171 36.4	172 10.4	172 51.6	173 29.8	159 34.3	160 36.0	161 27.2	162 7.6
LORAN START	34489.70	18526.40	34509.70	18195.70	17996.20	17778.30	17559.70	32782.90	32954.30	33075.90	33107.80
LORAN START	49707.60	34532.20	49541.30	34466.90	34418.80	34358.80	34280.00	45880.70	46304.80	46642.30	46863.60
LORAN END	34466.90	18524.80	34526.50	18195.50	18011.20	17777.90	17555.90	32776.40	32949.50	33069.30	33106.00
LORAN END	49699.10	34516.10	49947.10	34479.90	34422.00	34347.00	34266.70	45888.40	46287.00	46620.20	46877.40
GEAR DEPTH	37	40	46	53	57	60	64	12	20	26	24
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.51	1.39	1.55	1.33	1.46	1.32	1.48	1.48	1.46	1.81	1.53
PERFORMANCE / GEAR	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 43	0 / 38	0 / 38	0 / 38	0 / 42	0 / 38
POLLOCK	350.8	150.4	3074.9	391.3	2509.2	4497.2	7897.9	0.0	15.5	303.8	225.7
PAC COD	58.1	6.3	315.7	202.8	214.8	677.6	281.2	97.5	234.5	192.5	230.7
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.3	0.0	21.4	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	48.3	16.2	75.7	14.3	79.1	31.7	120.1	202.1	29.5	70.6	37.4
EELPOUTS	0.8	5.1	46.2	6.0	19.2	1.2	0.0	0.0	0.0	0.0	0.0
OTHER RNDFISH	0.8	0.4	0.0	0.0	0.0	0.4	0.0	2.1	2.7	12.7	1.9
TOT ROUNDFISH	458.8	178.4	3512.5	614.4	2822.3	5208.1	8299.2	340.0	282.2	601.0	495.7
YELLOW SOLE	331.9	20.2	205.3	0.0	0.0	0.0	0.0	2365.5	964.5	2130.7	665.8
ROCK SOLE	150.9	13.3	279.8	29.3	64.0	39.6	263.7	351.9	485.5	372.2	781.2
FLATHEAD SOLE	8.7	2.5	87.3	222.6	45.7	87.2	126.0	0.0	7.0	17.1	2.2
ALASKA PLAICE	392.3	84.7	533.9	54.7	89.1	11.9	0.0	163.7	6.0	30.0	7.7
GREENLAND TBT	0.0	0.0	0.0	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARROWTOOTH FL	5.7	0.0	100.1	49.1	68.6	99.1	433.6	0.0	0.0	0.0	0.0
PAC HALIBUT	1.9	13.0	25.1	13.6	51.7	0.0	673.8	0.0	44.7	0.0	56.7
OTHER FLTFISH	0.0	0.0	0.0	0.0	0.0	0.0	11.7	83.6	65.5	21.4	63.7
TOT FLATFISH	891.4	133.7	1231.5	376.9	319.1	237.8	1508.8	2964.7	1573.2	2571.4	1577.3
SKATES	183.0	32.9	213.0	162.4	98.3	431.9	492.1	0.0	0.0	89.9	0.0
TOT ELASMOBRH	183.0	32.9	213.0	162.4	98.3	431.9	492.1	0.0	0.0	89.9	0.0
RED KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	16.5	8.5	7.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	13.0	108.4	3.7	3.3	6.1	5.4	9.0	0.0	0.0	0.0	0.0
TANNER, OPILIO	1388.5	1360.6	322.1	45.2	1247.4	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, HYBRID	6.7	27.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER CRAB	422.9	332.0	81.1	107.2	140.4	220.7	249.5	10.5	14.0	24.7	28.4
SNAILS	434.8	88.1	136.9	101.7	112.3	337.6	152.9	0.0	4.1	15.0	14.7
SHRIMP	0.0	2.7	0.0	0.4	0.9	0.4	0.0	0.0	0.1	0.0	0.2
STARFISH	203.7	358.6	69.3	48.0	52.6	240.0	15.9	508.6	374.0	145.5	855.9
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.9	0.8	0.6	0.0	0.0	0.0	0.0
OTHER INVERTS	157.4	31.3	0.0	10.2	3.6	4.0	2.9	18.8	7.7	39.9	8.8
TOTAL INVERTS	2627.0	2309.4	613.1	316.0	1564.2	808.9	430.8	545.3	416.4	233.6	915.0
EMPTY SHELLS	130.1	95.5	20.0	30.6	26.1	56.7	69.1	0.0	0.0	4.3	12.1
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	4330.3	2749.9	5590.1	1500.3	4830.0	6743.4	10800.0	3850.0	2271.8	3500.2	3000.1

Appendix (continued)

STATION ID	4516	4518	4520	4522	4524	4526	4528	4530	4532	4534	4536
MONTH/DAY/YEAR	6/10/87	6/13/87	6/13/87	6/21/87	6/21/87	6/23/87	6/23/87	6/27/87	6/27/87	6/30/87	6/30/87
LATITUDE START	58 18.4	58 20.4	58 20.3	58 19.9	58 16.1	58 20.2	58 21.5	58 19.5	58 18.6	58 20.5	58 21.4
LONGITUDE START	162 43.3	163 20.9	163 57.4	164 37.8	165 16.0	165 53.7	166 32.7	167 11.2	167 49.7	168 27.8	169 7.3
LATITUDE END	58 19.8	58 19.1	58 20.3	58 21.0	58 19.5	58 18.8	58 20.2	58 21.0	58 20.2	58 19.0	58 19.9
LONGITUDE END	162 43.2	163 22.2	164 0.5	164 35.8	165 15.6	165 53.4	166 32.3	167 12.4	167 50.0	168 27.9	169 7.0
LORAN START	33194.70	33271.20	33363.30	33471.20	33589.00	33674.40	18725.30	33895.10	34008.30	34084.80	34160.90
LORAN START	47107.70	47346.80	47580.30	47837.80	48082.70	48314.10	48550.40	48788.70	49017.10	49220.30	49415.00
LORAN END	33183.80	33283.90	33371.20	33456.90	33575.80	33685.80	18727.00	33884.10	33953.00	34080.60	34177.50
LORAN END	47105.50	47356.50	47600.00	47822.90	48077.30	48315.60	48551.70	48790.60	49012.40	49225.40	49422.00
GEAR DEPTH	16	20	22	23	24	23	25	27	33	35	36
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.45	1.42	1.63	1.54	1.46	1.41	1.30	1.60	1.58	1.54	1.48
PERFORMANCE / GEAR	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42
POLLOCK	109.4	57.1	36.5	8.9	40.3	41.0	72.3	105.6	70.2	397.8	175.2
PAC COD	64.4	279.5	138.5	281.7	20.1	175.1	91.2	322.5	106.6	248.0	285.3
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROCKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	1.2	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	42.9	40.4	18.2	45.7	42.7	26.0	28.1	51.6	52.3	62.1	55.4
EELPOUTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	6.5
OTHER RNDFISH	2.1	3.6	6.0	4.1	10.4	1.5	7.9	5.4	6.0	3.3	11.4
TOT ROUNDFISH	218.8	420.6	200.4	340.4	117.5	243.6	199.5	485.1	235.1	714.5	533.8
YELLOW SOLE	862.6	1280.7	1443.7	1162.2	1745.9	508.0	618.1	633.7	326.2	620.0	443.4
ROCK SOLE	1379.7	974.3	887.2	370.5	110.8	326.0	205.0	510.5	65.0	154.4	91.3
FLATHEAD SOLE	6.4	14.9	4.9	6.3	11.8	0.0	0.0	5.4	16.1	31.6	4.1
ALASKA PLAICE	10.7	61.3	391.3	182.7	70.5	19.0	86.9	260.5	496.4	731.3	219.3
GREENLAND TBT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARROWTOOTH FL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HALIBUT	78.2	1.3	23.1	6.9	48.9	41.7	0.0	7.2	3.3	0.0	18.4
OTHER FLTFISH	60.0	9.0	2.4	0.0	2.0	4.5	2.4	0.0	0.0	15.0	4.9
TOT FLATFISH	2357.6	2341.5	2752.6	1728.6	1989.9	899.2	912.4	1417.3	507.0	1552.3	781.4
SKATES	0.0	58.3	72.9	46.9	62.1	40.0	22.5	12.0	0.0	5.1	48.9
TOT ELASMOBRH	0.0	58.3	72.9	46.9	62.1	40.0	22.5	12.0	0.0	5.1	48.9
RED KING CRAB	0.0	3.5	0.0	5.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.9	0.7
TANNER, OPILIO	0.0	0.0	0.0	0.0	0.0	0.0	0.2	8.6	3.4	12.9	54.9
TANNER, HYBRID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4
OTHER CRAB	9.3	34.7	55.9	60.9	66.7	70.9	102.4	139.1	395.6	343.8	248.2
SNAILS	3.2	6.0	64.2	62.9	75.8	101.1	69.8	160.1	124.2	187.6	75.7
SHRIMP	0.0	0.3	0.0	0.0	0.6	0.2	0.6	0.0	0.9	0.0	0.0
STARFISH	566.5	732.3	639.2	790.4	574.2	363.0	811.3	339.6	135.5	220.2	45.9
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	2.3	3.0	56.9	74.1	87.6	44.8	134.9	184.5	250.4	348.2	191.9
TOTAL INVERTS	581.3	779.8	816.2	993.3	805.1	581.3	1119.3	831.9	910.0	1113.8	617.7
EMPTY SHELLS	2.2	0.0	7.8	20.8	25.1	56.7	66.3	583.7	48.3	44.5	38.5
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	3199.9	3600.2	3849.9	3130.0	2999.7	1820.8	2320.0	3330.0	2100.4	3430.2	2020.3

Appendix (continued)

STATION IC	4538	4540	4542	4544	4546	4548	4550	4552	4716	4718	4720
MONTH/DAY/YEAR	7/ 6/87	7/ 6/87	7/ 9/87	7/10/87	7/19/87	7/20/87	7/30/87	7/30/87	6/10/87	6/11/87	6/11/87
LATITUDE START	58 20.1	58 20.7	58 20.4	58 21.3	58 20.0	58 19.0	58 19.6	58 18.6	58 41.2	58 40.3	58 39.0
LONGITUDE START	169 44.8	170 23.8	171 0.8	171 39.7	172 18.5	172 54.3	173 35.4	174 16.5	162 39.4	163 22.5	163 57.7
LATITUDE END	58 21.6	58 22.3	58 19.1	58 19.9	58 21.6	58 20.3	58 19.6	58 17.8	58 42.4	58 39.0	58 40.1
LONGITUDE END	169 45.3	170 24.1	171 2.3	171 40.0	172 19.4	172 54.9	173 37.1	174 14.2	162 40.5	163 21.1	163 59.9
LORAN START	34237.70	18435.00	18301.50	18128.80	17940.30	17751.70	17525.40	17293.90	33011.70	33117.90	33212.20
LORAN START	49587.60	49720.80	34270.00	34237.20	34209.20	34170.10	49993.90	50014.20	47062.00	47332.40	47554.00
LORAN END	34219.50	18428.30	18299.80	18130.90	17932.90	17747.80	17516.10	17306.50	33005.00	33124.90	33208.10
LORAN END	49579.80	49711.40	34285.30	34252.70	34192.20	34157.50	49994.80	50016.00	47067.70	47325.30	47565.60
GEAR DEPTH	37	40	45	52	55	59	63	82	13	16	18
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.50	0.30	0.50	0.50
DISTANCE FISHED	1.57	1.60	1.54	1.42	1.61	1.26	0.88	1.44	1.29	1.46	1.58
PERFORMANCE / GEAR	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 43	0 / 38	0 / 38	0 / 38	0 / 38	0 / 42
POLLOCK	402.6	83.4	1618.9	3708.1	1587.4	16115.1	12433.6	0.0	101.0	115.4	43.2
PAC COD	369.8	0.0	560.5	454.0	427.1	1500.3	822.6	6.0	152.0	147.4	771.0
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
OTHER ROKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	156.2	26.6	24.1	53.7	123.4	3.5	0.0	2.0	116.5	138.4	43.2
EELPOUTS	11.1	27.8	8.1	10.4	20.2	17.7	0.0	0.0	0.0	0.0	0.0
OTHER RNDFISH	1.2	0.4	1.2	0.0	1.7	3.5	0.0	34.3	1.4	2.5	2.9
TOT ROUNDFISH	940.9	138.2	2212.8	4226.2	2159.8	17640.1	13256.2	43.3	370.9	413.3	860.3
YELLOW SOLE	332.8	40.2	26.2	53.7	0.0	0.0	0.0	0.0	350.0	2538.7	3185.0
ROCK SOLE	102.7	14.2	76.6	232.2	7.4	238.3	188.5	38.5	453.0	698.8	180.1
FLATHEAD SOLE	20.5	4.5	72.6	31.2	25.9	158.9	85.7	2.5	0.0	0.0	0.0
ALASKA PLAICE	398.5	71.4	439.5	485.2	129.6	776.6	0.0	0.0	0.0	93.0	21.6
GREENLAND TOT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARROWTOOTH FL	6.2	0.0	20.2	46.8	108.6	317.7	154.2	289.0	0.0	0.0	0.0
PAC HALIBUT	13.5	0.0	62.4	30.8	0.0	317.7	9.5	0.0	4.9	6.1	15.0
OTHER FLTFISH	0.0	0.1	0.0	0.0	0.0	0.0	42.8	0.0	38.5	19.2	21.6
TOT FLATFISH	874.2	130.4	697.5	879.9	271.5	1809.2	480.7	330.0	846.4	3355.8	3423.3
SKATES	30.8	59.8	116.9	239.1	134.6	529.5	205.7	89.5	0.0	0.0	136.9
TOT ELASMOBRH	30.8	59.8	116.9	239.1	134.6	529.5	205.7	89.5	0.0	0.0	136.9
RED KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	2.2	24.3	9.0	1.8	10.7	0.0	3.1	4.2	0.0	0.0	0.0
TANNER, OPILIO	123.7	1080.5	213.2	42.5	76.2	0.0	0.2	0.0	0.0	0.0	0.0
TANNER, HYBRID	0.3	6.9	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER CRAB	40.2	115.1	58.2	21.8	137.3	1.8	26.7	2.4	2.0	41.6	12.3
SNAILS	89.9	200.5	77.1	45.0	217.2	14.2	21.6	4.2	0.0	0.0	7.2
SHRIMP	0.0	0.0	0.0	0.3	3.7	0.0	0.0	0.0	0.1	0.0	0.0
STARFISH	41.1	87.0	106.4	56.2	39.4	0.0	0.0	8.0	24.0	288.5	302.6
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	31.6	10.2	2.0	1.4	1.0	0.0	0.9	3.0	2.5	0.6	7.2
TOTAL INVERTS	329.0	1524.5	465.9	169.6	485.5	16.0	52.5	21.8	37.6	330.7	329.3
EMPTY SHELLS	4.9	27.2	16.5	5.2	48.4	5.3	5.1	1.2	0.0	0.0	0.0
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	2179.8	1880.1	3509.6	5520.0	3099.8	20000.1	14000.2	485.8	1254.9	4099.8	4749.8

Appendix (continued)

STATION ID	4722	4724	4726	4728	4730	4732	4734	4736	4738	4740	4742
MONTH/DAY/YEAR	6/21/87	6/21/87	6/22/87	6/22/87	6/27/87	6/27/87	6/30/87	6/30/87	7/ 6/87	7/ 6/87	7/ 9/87
LATITUDE START	58 39.5	58 38.4	58 39.6	58 40.7	58 39.8	58 39.7	58 39.3	58 40.5	58 39.4	58 39.4	58 39.8
LONGITUDE START	164 40.0	165 17.9	165 55.7	166 34.9	167 13.4	167 52.5	168 29.2	169 6.9	169 47.0	170 25.5	171 8.0
LATITUDE END	58 41.1	58 35.8	58 38.1	58 39.5	58 41.4	58 41.3	58 37.8	58 40.0	58 41.0	58 40.9	58 38.6
LONGITUDE END	164 39.8	165 18.2	165 55.7	166 35.0	167 14.4	167 53.2	168 29.4	169 9.4	169 46.9	170 25.5	171 9.5
LORAN START	33311.70	33416.70	33502.00	18695.70	33697.60	33792.10	33877.60	33935.00	34005.00	18362.00	34028.50
LORAN START	47814.80	48049.30	48274.50	48502.40	48726.60	48941.40	49133.20	49304.90	49476.70	49607.40	49707.00
LORAN END	33297.60	33405.40	33516.70	18697.70	33683.70	33776.60	33895.20	33945.70	33985.40	18356.70	34053.30
LORAN END	47810.60	48048.20	48278.70	48507.50	48725.80	48938.30	49142.10	49319.20	49466.50	49558.00	49728.20
GEAR DEPTH	19	22	19	22	22	25	28	33	35	40	44
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.57	1.36	1.58	1.23	1.64	1.61	1.51	1.43	1.60	1.51	1.49
PERFORMANCE / GEAR	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38
POLLOCK	190.6	14.0	51.6	53.0	44.0	23.0	229.7	171.9	2326.8	740.5	522.0
PAC COD	83.4	147.3	39.2	31.5	52.6	205.5	93.8	126.3	284.4	82.0	59.0
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROCKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	1.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	30.8	25.7	34.6	16.0	27.0	0.6	38.5	37.3	63.3	42.4	107.5
EELPOUTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	26.0	3.3
OTHER RNDFISH	3.9	7.5	0.3	1.6	1.8	1.2	36.8	1.4	5.1	4.7	1.0
TOT ROUNDFISH	310.2	195.8	125.7	102.1	125.4	230.3	398.8	336.9	2680.3	895.6	692.8
YELLOW SOLE	1942.5	1863.8	1389.1	649.0	440.0	584.3	132.1	160.2	215.9	125.0	34.0
ROCK SOLE	256.6	71.1	220.1	52.0	239.0	831.2	176.1	68.3	47.3	72.5	54.0
FLATHEAD SOLE	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.1	16.4	3.5	8.0
ALASKA PLAICE	54.1	142.2	76.5	52.0	120.0	365.0	162.7	352.1	92.5	229.8	172.0
GREENLAND TBT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARROWTOOTH FL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
PAC HALIBUT	34.0	0.0	37.1	0.0	0.0	14.6	0.0	2.2	0.0	0.0	0.0
OTHER FLTFISH	4.8	0.0	6.0	1.3	0.0	0.0	8.8	10.4	11.3	1.0	3.8
TOT FLATFISH	2292.0	2077.1	1728.8	754.3	799.0	1795.1	480.3	615.3	383.4	432.1	271.8
SKATES	123.4	39.4	79.1	4.2	25.0	36.8	82.3	35.2	61.7	31.0	93.0
TOT ELASMOBRH	123.4	39.4	79.1	4.2	25.0	36.8	82.3	35.2	61.7	31.0	93.0
RED KING CRAB	0.0	0.0	0.0	0.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.9	0.8	4.5
TANNER, OPILIO	0.0	0.0	0.0	0.0	0.2	0.3	1.5	136.0	207.8	158.5	303.0
TANNER, HYBRID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	1.5
OTHER CRAB	8.9	14.3	6.7	13.9	102.0	89.6	296.1	407.0	119.6	25.1	58.6
SNAILS	1.0	12.2	3.3	36.9	136.9	123.1	65.9	175.0	61.3	179.8	154.2
SHRIMP	0.0	0.3	0.0	0.6	0.0	0.3	0.2	0.0	0.0	5.3	0.0
STARFISH	453.6	551.0	297.4	769.5	315.0	477.9	421.7	77.4	27.5	16.5	37.8
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	0.6	5.0	8.8	17.5	23.6	55.9	339.4	514.6	22.3	14.9	1.8
TOTAL INVERTS	464.1	582.8	316.2	838.4	600.7	747.1	1124.8	1312.5	439.4	400.9	561.4
EMPTY SHELLS	0.0	12.7	0.3	4.5	26.3	30.8	63.9	140.0	15.1	10.4	11.9
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	3189.7	2907.8	2250.1	1703.5	1576.4	2840.1	2150.1	2439.9	3579.9	1770.0	1630.9

Appendix (continued)

STATION ID	4744	4746	4748	4750	4752	4754	4756	4918	4920	4922	4924
MONTH/DAY/YEAR	7/10/87	7/19/87	7/20/87	7/30/87	7/30/87	7/30/87	7/30/87	6/10/87	6/10/87	6/21/87	6/21/87
LATITUDE START	58 41.1	58 39.9	58 38.5	58 39.1	58 40.6	58 45.6	58 45.8	58 58.5	59 0.2	58 59.3	58 58.4
LONGITUDE START	171 42.9	172 22.0	172 59.3	173 37.5	174 20.2	174 56.3	175 29.0	163 17.8	163 59.4	164 40.3	165 19.2
LATITUDE END	58 39.7	58 41.4	58 40.0	58 37.7	58 40.5	58 45.7	58 44.5	58 59.4	58 59.0	59 0.9	58 59.8
LONGITUDE END	171 42.8	172 22.2	172 59.9	173 37.1	174 19.1	174 54.8	175 27.0	163 20.3	163 57.5	164 40.6	165 19.6
LORAN START	18064.10	17888.10	17705.90	17507.70	17280.30	17088.10	16912.90	32955.50	33033.70	33134.90	33234.50
LORAN START	34010.50	33995.60	33970.40	49517.40	49937.30	49936.80	49949.30	47279.40	47528.40	47775.00	48007.50
LORAN END	18068.20	17884.40	17701.30	17510.30	17286.30	17096.20	16922.40	32953.90	33040.00	33120.90	33221.90
LORAN END	34027.20	33978.40	33954.90	49923.30	49937.40	49935.80	49952.70	47293.20	47519.40	47773.40	48006.20
GEAR DEPTH	50	55	61	68	87	77	73	11	13	13	14
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.25	0.25	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.46	1.59	1.50	1.49	0.61	0.79	1.62	1.51	1.52	1.61	1.44
PERFORMANCE / GEAR	0 / 42	0 / 38	0 / 43	0 / 38	0 / 43	0 / 43	0 / 43	0 / 38	0 / 38	0 / 38	0 / 42
POLLOCK	2129.0	2336.9	1971.7	3590.0	4385.8	5028.6	19.0	0.0	0.0	94.6	860.8
PAC COD	144.1	551.1	546.3	288.4	107.8	247.1	147.0	123.5	34.5	246.0	326.3
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROCKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	43.1	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.6	0.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	33.4	147.4	99.1	6.9	0.0	0.0	3.8	35.3	122.2	174.1	54.0
EELPOUTS	43.8	26.5	49.8	10.5	0.0	0.0	1.3	0.0	0.0	0.0	0.0
OTHER ROUNDFISH	9.0	1.5	1.7	1.2	4.3	0.0	0.0	3.0	12.5	0.9	1.6
TOT ROUNDFISH	2359.3	3063.4	2668.6	3897.0	4541.0	5275.7	171.1	164.2	170.8	515.6	1242.7
YELLOW SOLE	71.5	0.0	0.0	0.0	0.0	0.0	0.0	2394.0	1087.1	1807.2	1076.0
ROCK SOLE	89.9	16.2	11.4	108.1	0.0	271.3	81.0	711.7	753.5	1242.6	458.5
FLATHEAD SOLE	127.3	14.7	65.4	120.2	280.3	19.4	41.0	0.0	0.0	0.0	0.0
ALASKA PLAICE	736.2	45.7	136.6	0.0	0.0	0.0	0.0	2.9	11.0	50.5	32.7
GREENLAND TBT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARROWTOOTH FL	27.7	57.5	74.0	150.2	159.6	251.9	290.0	0.0	0.0	0.0	0.0
PAC HALIBUT	17.4	0.0	4.2	41.0	14.1	21.7	38.9	1.1	141.9	44.8	0.0
OTHER FLTFISH	2.3	0.0	0.0	0.0	0.0	14.5	1.0	58.8	14.1	10.5	1.9
TOT FLATFISH	1072.3	134.1	291.6	419.5	454.0	578.8	451.9	3168.5	2007.6	3155.6	1569.1
SKATES	179.4	207.8	264.6	177.2	0.0	0.0	118.0	0.0	0.0	223.9	0.0
TOT ELASMOBRH	179.4	207.8	264.6	177.2	0.0	0.0	118.0	0.0	0.0	223.9	0.0
RED KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	6.0	8.5	10.3	9.0	3.2	15.0	61.8	0.0	0.0	0.0	0.0
TANNER, OPILIO	58.0	84.5	61.0	0.0	0.0	1.0	3.6	0.0	0.0	0.0	0.0
TANNER, HYBRID	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER CRAB	35.5	72.8	27.2	63.6	0.4	9.2	15.0	14.7	7.8	5.3	3.9
SNAILS	158.2	165.7	42.2	72.4	0.9	11.2	12.9	0.0	0.0	0.0	0.0
SHRIMP	0.7	1.5	7.1	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.5
STARFISH	123.3	66.9	56.9	16.5	0.0	2.9	4.6	150.0	513.8	268.1	103.1
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	2.4	7.3	2.6	3.3	0.4	1.5	0.8	0.6	0.0	1.5	0.8
TOTAL INVERTS	424.7	407.2	207.3	165.1	4.9	40.8	98.8	167.3	521.6	274.9	108.3
EMPTY SHELLS	4.2	17.7	17.1	21.0	0.0	4.8	0.0	0.0	0.0	0.0	0.7
OTHER	0.0	0.0	34.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	4039.9	3830.2	3483.3	4679.8	4999.9	5900.1	839.8	3500.0	2700.0	4170.0	2920.8

Appendix (continued)

STATION ID	4926	4928	4930	4932	4934	4936	4938	4940	4942	4944	4946
MONTH/DAY/YEAR	6/22/87	6/22/87	6/28/87	6/27/87	6/29/87	6/29/87	7/ 6/87	7/ 6/87	7/ 9/87	7/10/87	7/19/87
LATITUDE START	59 0.8	59 1.3	59 0.1	58 58.8	59 0.6	59 1.3	58 59.0	58 58.3	59 0.9	59 1.0	59 3.1
LONGITUDE START	165 56.4	166 36.0	167 14.3	167 54.0	168 32.0	169 11.5	169 49.5	170 28.6	171 8.4	171 45.9	172 26.5
LATITUDE END	58 59.4	58 59.7	59 1.5	59 0.4	58 59.2	58 60.0	59 0.4	58 59.8	58 59.3	58 59.6	59 1.7
LONGITUDE END	165 56.3	166 36.3	167 14.6	167 54.6	168 32.3	169 11.6	169 47.8	170 28.4	171 8.7	171 45.3	172 25.6
LORAN START	33298.40	18655.50	33485.00	33584.60	33637.40	33692.80	33767.40	18286.70	33787.00	18000.50	17822.20
LORAN START	48216.00	48438.00	48650.60	48862.50	49037.40	49206.90	49367.40	49500.60	49591.80	33781.20	33738.10
LORAN END	33312.50	18658.90	33470.10	33567.20	33655.00	33709.30	33749.30	18282.40	33806.10	18006.20	17829.30
LORAN END	48219.80	48444.70	48646.40	48857.50	49046.60	49215.00	49353.40	49491.00	49602.00	33797.20	33754.10
GEAR DEPTH	15	17	20	22	24	29	33	39	41	47	53
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.45	1.53	1.46	1.67	1.46	1.36	1.60	1.49	1.61	1.40	1.49
PERFORMANCE / GEAR	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38
POLLOCK	63.1	32.0	32.0	72.0	60.0	572.4	1700.0	576.3	602.3	3783.1	1296.8
PAC COD	67.0	165.0	148.0	59.5	132.0	150.3	332.7	253.5	140.9	173.0	271.0
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROCKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	42.6	20.1	44.0	38.9	16.0	59.6	33.6	37.0	3.0	88.0	16.1
EELPOUTS	0.0	0.0	0.0	0.0	0.0	0.0	1.1	10.0	13.7	23.7	30.1
OTHER RNDFISH	0.2	1.3	2.3	4.8	0.3	17.9	5.0	2.0	4.8	2.4	2.0
TOT ROUNDFISH	172.9	218.4	226.3	175.2	208.3	800.2	2072.4	878.8	764.7	4070.2	1616.0
YELLOW SOLE	1832.7	1141.6	310.5	537.1	375.0	193.2	293.6	65.0	125.0	33.4	0.0
ROCK SOLE	344.4	209.4	61.5	282.4	276.0	90.6	83.9	53.8	84.1	74.3	24.1
FLATHEAD SOLE	0.0	0.0	0.0	0.0	0.0	4.8	8.4	6.5	9.1	66.1	18.5
ALASKA PLAICE	142.4	155.7	67.0	210.4	271.0	844.3	173.4	98.5	150.0	104.7	22.1
GREENLAND TOT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	0.0
ARROWTOOTH FL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	92.3
PAC HALIBUT	0.0	12.4	17.8	3.3	0.9	0.0	0.0	0.0	29.6	4.2	5.6
OTHER FLTFISH	14.5	0.0	3.0	0.8	0.0	11.9	9.2	6.8	4.5	1.8	0.0
TOT FLATFISH	2334.0	1519.1	459.8	1034.0	922.9	1144.8	568.5	250.6	402.3	298.1	162.6
SKATES	29.8	58.0	46.0	0.0	17.0	81.1	19.6	35.5	63.6	239.7	142.5
TOT ELASMCBRH	29.8	58.0	46.0	0.0	17.0	81.1	19.6	35.5	63.6	239.7	142.5
RED KING CRAB	0.0	0.0	6.4	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	10.6	2.8	6.9
TANNER, OPILIO	0.0	0.0	0.0	0.1	0.5	2.4	104.0	158.8	589.5	195.8	128.0
TANNER, HYBRID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.3	0.0	0.0
OTHER CRAB	8.2	5.6	17.6	28.2	82.7	323.9	266.5	26.0	48.4	15.2	0.4
SNAILS	1.6	6.0	28.2	69.9	100.0	163.1	96.0	79.6	291.7	87.9	0.0
SHRIMP	0.2	0.2	0.1	0.3	0.0	0.0	0.0	0.2	0.0	0.3	0.0
STARFISH	104.0	199.4	741.8	355.9	351.0	118.1	47.0	25.2	100.7	86.7	46.2
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	19.5	2.7	10.8	28.1	45.9	500.9	135.9	10.7	7.2	16.4	267.4
TOTAL INVERTS	133.5	213.9	804.9	488.0	580.1	1108.4	649.6	302.1	1049.4	405.1	448.9
EMPTY SHELLS	0.0	0.6	8.7	3.1	24.2	265.5	50.1	5.1	39.8	16.7	0.0
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	2670.2	2050.0	1545.7	1700.3	1752.5	3400.0	3360.2	1472.1	2319.8	5029.8	2370.0

Appendix (continued)

STATION ID	4948	4950	4952	4954	4956	5120	5122	5124	5126	5128	5130
MONTH/DAY/YEAR	7/20/87	7/29/87	7/29/87	7/29/87	7/30/87	6/10/87	6/21/87	6/21/87	6/22/87	6/22/87	6/28/87
LATITUDE START	58 59.1	58 59.4	59 4.5	59 5.6	59 0.4	59 19.3	59 18.1	59 19.1	59 20.9	59 20.8	59 19.3
LONGITUDE START	173 4.8	173 42.7	174 23.1	174 52.2	175 35.9	164 0.3	164 41.3	165 19.9	165 57.0	166 36.1	167 15.6
LATITUDE END	59 0.3	58 57.9	59 3.2	59 5.9	58 59.1	59 17.8	59 19.2	59 20.7	59 19.3	59 19.1	59 20.7
LONGITUDE END	173 5.9	173 42.2	174 22.6	174 55.2	175 35.6	164 1.5	164 43.6	165 20.3	165 57.8	166 36.3	167 16.7
LORAN START	17652.50	17467.80	17263.40	17116.30	16888.90	32863.10	32960.70	33035.00	33056.40	33179.80	33277.20
LORAN START	33753.20	49834.50	49844.60	49860.20	49902.60	47499.60	47739.30	47956.60	48156.90	48367.60	48578.30
LORAN END	17645.60	17471.50	17266.30	17101.10	16889.20	32878.90	32955.30	33019.90	33114.10	33197.90	33263.30
LORAN END	33738.90	49840.30	49850.00	49860.80	49907.10	47508.90	47749.90	47954.30	48166.50	48375.00	48577.80
GEAR DEPTH	58	64	68	70	74	11	10	10	12	15	16
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.40	1.45	1.39	1.58	1.34	1.57	1.59	1.61	1.60	1.64	1.55
PERFORMANCE / GEAR	0 / 43	0 / 38	0 / 43	0 / 43	0 / 43	0 / 38	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38
POLLOCK	779.2	18046.0	7009.2	2599.7	1496.0	26.8	11.5	6.7	4.0	0.0	15.0
PAC COD	631.8	797.6	272.5	128.2	84.4	357.4	51.5	53.3	45.0	103.6	140.0
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROCKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.0	0.0	0.0	2.1	1.0	0.0	0.0	0.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	127.5	0.0	9.5	0.0	0.8	45.2	35.6	24.4	22.0	65.1	44.1
EELPOUTS	14.1	0.0	6.4	1.2	9.8	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROUNDFISH	0.9	0.0	0.0	0.0	1.4	6.2	0.5	12.5	5.3	12.0	2.6
TOT ROUNDFISH	1553.5	18843.6	7297.6	2729.1	1592.4	437.7	100.1	96.9	76.3	180.7	201.7
YELLOW SOLE	0.0	0.0	0.0	0.0	0.0	5174.2	1222.0	2020.3	739.0	1735.6	536.0
ROCK SOLE	21.1	0.0	95.1	2.4	15.7	24.6	58.0	196.5	149.0	233.1	251.0
FLATHEAD SOLE	9.4	0.0	57.0	31.4	60.9	0.0	0.0	0.0	0.0	0.0	0.0
ALASKA PLAICE	79.6	87.2	76.0	0.0	0.0	6.2	7.0	6.7	10.0	42.1	102.0
GREENLAND TBT	51.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARROWTOOTH FL	105.3	249.3	126.7	72.5	137.4	0.0	0.0	0.0	0.0	0.0	0.0
PAC HALIBUT	0.0	0.0	13.0	6.9	0.0	7.6	4.4	0.0	8.0	46.3	31.0
OTHER FLTFISH	0.0	0.0	0.0	0.0	0.0	10.3	20.2	14.2	5.5	15.2	0.0
TOT FLATFISH	266.9	336.5	367.8	113.2	214.0	5222.9	1311.6	2237.7	911.5	2072.3	920.0
SKATES	203.6	0.0	76.0	38.7	45.2	0.0	0.0	0.0	0.0	64.8	104.0
TOT ELASMOBRH	203.6	0.0	76.0	38.7	45.2	0.0	0.0	0.0	0.0	64.8	104.0
RED KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	8.5	0.0	1.0	6.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, OPILIO	193.0	19.9	18.7	15.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, HYBRID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER CRAB	18.0	0.0	21.5	11.3	70.9	0.8	4.3	3.4	1.4	2.6	5.7
SNAILS	119.4	0.0	48.7	42.9	35.4	0.0	0.0	0.3	0.2	0.0	2.2
SHRIMP	4.7	0.0	0.0	0.2	0.4	0.0	0.1	0.2	0.0	0.6	0.2
STARFISH	15.8	0.0	36.7	72.6	468.6	254.7	248.0	46.0	70.0	68.0	240.2
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	4.0	0.0	12.6	5.2	24.1	2.1	0.2	12.1	1.2	0.6	0.6
TOTAL INVERTS	363.4	19.9	139.2	154.1	609.0	257.6	252.6	62.0	72.8	71.8	249.9
EMPTY SHELLS	12.9	0.0	19.0	14.5	39.5	0.0	0.5	0.9	2.0	0.6	0.5
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	2400.3	19200.0	7899.6	3049.6	2500.1	5918.2	1664.8	2397.5	1062.6	2390.2	1476.1

Appendix (continued)

STATION ID	5132	5134	5136	5138	5140	5142	5144	5146	5148	5150	5152
MONTH/DAY/YEAR	6/28/87	6/29/87	6/29/87	7/ 7/87	7/ 7/87	7/ 9/87	7/ 9/87	7/19/87	7/20/87	7/29/87	7/29/87
LATITUDE START	59 19.1	59 20.7	59 20.7	59 19.7	59 18.9	59 27.1	59 21.6	59 19.6	59 19.5	59 19.2	59 21.1
LONGITUDE START	167 55.2	168 33.7	169 14.9	169 51.6	170 31.5	171 11.1	171 50.0	172 29.8	173 8.5	173 47.5	174 27.0
LATITUDE END	59 20.4	59 19.3	59 19.4	59 21.2	59 20.3	59 20.5	59 20.3	59 21.0	59 21.0	59 17.6	59 19.8
LONGITUDE END	167 56.6	168 33.8	169 13.7	169 52.2	170 31.6	171 10.8	171 50.3	172 30.2	173 8.5	173 47.4	174 26.7
LORAN START	33355.20	33402.60	33463.10	33516.70	18209.80	33533.40	17931.20	17775.10	17606.30	17427.60	17238.40
LORAN START	48773.50	48941.80	49113.00	49254.40	49386.70	49475.10	33540.70	33553.90	33534.40	49749.80	49778.70
LORAN END	33343.30	33420.60	33477.70	33499.40	18204.87	33552.30	17933.40	17770.40	17604.20	17429.70	17240.50
LORAN END	48774.50	48949.70	49115.60	49248.20	49379.10	49483.50	33555.70	33537.90	33518.80	49756.90	49784.00
GEAR DEPTH	21	22	27	32	37	40	44	47	55	59	67
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.47	1.50	1.47	1.50	1.39	1.59	1.30	1.44	1.46	1.59	1.33
PERFORMANCE / GEAR	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 43
POLLOCK	93.9	55.0	172.6	710.6	564.0	172.0	180.3	2666.5	1286.0	3975.7	5057.0
PAC COD	47.6	17.5	350.0	317.5	306.0	57.0	55.0	406.0	549.6	246.9	166.9
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROCKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.0	0.0	0.0	0.4	0.0	82.3	0.0	0.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	38.1	36.0	28.2	105.2	28.0	44.8	30.0	0.0	26.8	62.8	22.1
EELPOUTS	0.0	0.0	0.0	5.2	9.5	5.8	12.5	27.4	28.6	6.9	0.0
OTHER ROUNDFISH	4.0	1.9	2.8	4.2	2.5	1.3	2.3	1.1	3.7	4.3	0.0
TOT ROUNDFISH	183.6	110.4	553.6	1142.7	910.0	281.3	280.1	3183.3	1894.7	4296.6	5246.0
YELLOW SOLE	617.4	351.0	308.0	147.7	155.0	30.0	20.0	13.7	0.0	0.0	0.0
ROCK SOLE	171.6	136.0	107.3	243.6	30.0	14.0	65.5	16.5	22.0	23.8	29.5
FLATHEAD SOLE	0.0	0.0	7.0	0.0	1.5	1.5	7.5	19.2	4.4	19.5	4.9
ALASKA PLAICE	324.4	131.0	685.9	265.8	45.0	23.0	126.5	21.9	19.8	134.3	0.0
GREENLAND TOT	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	22.0	28.2	2.0
ARROWTOOTH FL	0.0	0.0	0.0	0.0	0.3	0.0	0.0	54.9	55.0	173.2	117.8
PAC HALIBUT	14.0	0.0	0.0	0.0	2.8	0.0	0.0	7.2	0.0	0.0	0.0
OTHER FLTFISH	0.0	0.5	14.0	19.4	14.0	12.5	13.0	21.9	0.0	0.0	0.0
TOT FLATFISH	1127.4	618.5	1122.2	676.5	248.6	81.0	234.5	155.3	123.2	379.0	154.2
SKATES	42.6	10.0	72.3	24.0	53.0	22.0	30.0	109.7	235.2	45.5	309.3
TOT ELASMOBRH	42.6	10.0	72.3	24.0	53.0	22.0	30.0	109.7	235.2	45.5	309.3
RED KING CRAB	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	0.0	0.0	0.0	0.3	1.1	0.2	0.7	0.6	9.3	20.2	2.6
TANNER, OPILIO	0.0	1.1	0.0	104.7	261.0	459.0	255.8	499.1	44.3	165.9	82.3
TANNER, HYBRID	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0
OTHER CRAB	28.1	80.2	503.2	126.5	24.3	32.6	26.7	0.0	6.8	37.3	8.8
SNAILS	39.3	94.4	314.7	84.9	85.6	72.6	81.8	0.0	70.0	207.5	45.7
SHRIMP	0.7	0.1	0.0	0.0	0.3	0.0	0.7	0.0	1.3	1.7	1.0
STARFISH	538.5	448.0	440.9	31.4	14.4	32.0	77.8	107.0	101.1	123.4	27.0
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	33.2	8.9	656.7	52.4	1.3	18.6	9.1	54.9	9.9	0.0	5.9
TOTAL INVERTS	641.8	632.7	1915.5	400.2	389.1	615.0	454.6	661.6	242.7	556.0	173.3
EMPTY SHELLS	4.6	14.7	336.2	16.8	7.8	12.6	11.4	0.0	4.4	13.0	2.5
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	2000.0	1386.3	3999.8	2260.2	1608.5	1011.9	1010.6	4109.9	2500.2	5290.1	5885.3

Appendix (continued)

STATION ID	5154	5156	5326	5328	5330	5332	5334	5336	5338	5340	5342
MONTH/DAY/YEAR	7/29/87	7/30/87	6/22/87	6/22/87	6/28/87	6/28/87	6/29/87	6/29/87	7/ 7/87	7/ 7/87	7/ 8/87
LATITUDE START	59 18.4	59 18.2	59 37.8	59 36.6	59 39.0	59 38.8	59 40.6	59 41.4	59 38.9	59 38.9	59 40.8
LONGITUDE START	174 59.5	175 36.9	165 57.8	166 38.3	167 16.9	167 56.7	168 36.8	169 18.9	169 55.3	170 34.3	171 14.5
LATITUDE END	59 20.0	59 16.7	59 36.5	59 35.3	59 40.5	59 40.4	59 39.0	59 40.0	59 40.3	59 40.3	59 39.3
LONGITUDE END	175 0.2	175 37.0	165 56.6	166 37.3	167 17.6	167 56.7	168 36.5	169 18.8	169 54.6	170 34.9	171 14.2
LORAN START	17090.60	16895.40	32920.30	33011.90	33058.20	33129.80	33170.80	33216.50	33284.80	18138.30	33310.90
LORAN START	45814.50	45839.20	48107.00	48320.30	48502.60	48689.40	48854.50	45016.40	49158.60	33315.10	49378.20
LORAN END	17077.30	16894.10	32931.70	33024.70	33041.90	33111.20	33188.80	33233.50	33267.30	18132.40	33329.00
LORAN END	45809.00	45844.60	48104.50	48320.30	48499.50	48682.10	48860.90	49023.60	49148.70	33298.90	49385.90
GEAR DEPTH	72	76	13	15	15	19	20	25	29	36	39
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.65	1.45	1.47	1.43	1.58	1.59	1.55	1.41	1.43	1.40	1.53
PERFORMANCE / GEAR	0 / 43	0 / 43	1 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38
POLLOCK	1120.3	978.0	33.2	75.0	39.0	245.6	172.0	118.6	182.0	171.0	688.0
PAC COD	475.5	417.0	80.4	105.0	211.0	79.8	62.0	259.7	278.4	74.0	248.5
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	76.9	19.5	25.8	25.3	109.0	51.1	70.0	16.5	182.0	74.0	73.3
EELPOUTS	4.9	17.1	0.0	0.0	0.0	0.0	0.0	0.0	9.6	4.0	0.0
OTHER RNDFISH	1.0	0.3	18.1	18.5	16.1	2.4	3.0	0.2	7.0	2.0	1.1
TOT ROUNDFISH	1678.6	1431.9	157.9	223.8	375.1	379.3	307.0	395.0	659.0	325.0	1011.3
YELLOW SOLE	0.0	0.0	634.0	998.0	476.0	382.9	377.0	219.2	149.9	52.0	29.0
ROCK SOLE	84.7	11.0	179.0	138.0	606.0	165.7	139.0	108.1	91.0	28.0	23.0
FLATHEAD SOLE	195.4	13.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	3.0	0.0
ALASKA PLAICE	550.4	0.0	2.0	18.0	237.0	173.6	125.0	536.0	979.6	117.0	26.0
GREENLAND TOT	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARROWTOOTH FL	101.0	127.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HALIBUT	0.0	0.0	74.6	12.3	47.9	0.0	15.3	4.5	0.0	0.0	0.0
OTHER FLTFISH	0.0	0.0	6.5	23.0	8.3	0.5	1.1	4.5	23.0	8.5	23.0
TOT FLATFISH	931.5	151.4	896.1	1189.3	1375.2	722.7	657.4	872.3	1250.5	208.5	101.0
SKATES	120.5	107.0	0.0	0.0	62.0	58.1	62.0	15.0	42.8	19.0	25.0
TOT ELASMOBRH	120.5	107.0	0.0	0.0	62.0	58.1	62.0	15.0	42.8	19.0	25.0
RED KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	2.7	29.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
TANNER, OPILIO	55.1	16.0	0.0	0.0	0.0	0.0	0.2	1.7	1165.2	283.7	727.8
TANNER, HYBRID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
OTHER CRAB	15.0	15.0	0.4	1.0	6.3	15.2	56.6	176.0	197.5	13.0	14.1
SNAILS	47.3	18.3	0.2	0.0	1.2	12.6	44.9	259.7	301.4	40.5	26.4
SHRIMP	1.3	16.3	0.1	0.3	0.1	0.6	0.4	0.4	0.0	0.2	0.1
STARFISH	141.7	142.1	295.0	112.2	300.0	408.9	296.5	168.4	112.4	13.3	55.5
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	0.0	12.1	3.9	1.7	0.8	0.9	3.4	107.4	190.0	7.2	13.7
TOTAL INVERTS	263.1	249.3	299.6	115.2	308.4	438.2	402.0	713.6	1966.5	358.9	837.7
EMPTY SHELLS	6.5	18.8	0.2	0.2	0.6	1.5	10.9	84.4	101.2	6.2	7.5
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0
TOTAL CATCH	3000.2	1958.4	1353.8	1528.5	2121.3	1599.8	1439.3	2080.3	4020.0	919.1	1982.5

Appendix (continued)

STATION ID	5344	5346	5348	5350	5352	5354	5356	5358	5360	5532	5534
MONTH/DAY/YEAR	7/ 9/87	7/20/87	7/21/87	7/29/87	7/29/87	7/28/87	7/28/87	7/28/87	7/28/87	6/26/87	6/29/87
LATITUDE START	59 40.8	59 39.5	59 39.4	59 39.3	59 37.9	59 40.1	59 40.0	59 40.1	59 41.5	59 52.7	60 0.9
LONGITUDE START	171 56.2	172 32.7	173 14.2	173 51.5	174 31.7	175 8.5	175 54.2	176 35.2	177 10.2	167 58.9	168 39.7
LATITUDE END	59 39.8	59 40.6	59 40.7	59 37.8	59 36.6	59 40.3	59 40.0	59 40.1	59 41.4	59 54.1	59 59.4
LONGITUDE END	171 54.2	172 30.8	173 13.5	173 50.9	174 33.4	175 5.8	175 51.4	176 32.1	177 7.3	167 59.5	168 39.2
LORAN START	17860.10	17722.50	17551.60	17389.40	17208.60	17037.40	16822.20	16627.20	16461.70	32969.80	32929.80
LORAN START	33317.20	33328.50	33318.30	49661.90	49710.80	49734.10	49767.90	33177.50	33137.40	48635.10	48765.50
LORAN END	17870.10	17728.10	17552.50	17393.90	17201.70	17049.80	16835.50	16641.60	16475.20	32953.40	32948.00
LORAN END	33329.20	33317.60	33303.90	49668.10	49718.00	49730.90	49766.30	33180.10	33140.50	48631.20	48771.30
GEAR DEPTH	42	43	53	56	64	69	75	74	91	15	20
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.46	1.43	1.41	1.54	1.55	1.37	1.43	1.53	1.45	1.51	1.58
PERFORMANCE / GEAR	0 / 42	0 / 38	0 / 42	0 / 38	0 / 43	0 / 43	0 / 43	0 / 43	0 / 43	0 / 42	0 / 38
POLLOCK	784.5	878.0	1087.9	1214.5	1401.4	698.0	1053.6	1043.0	1040.8	119.9	181.0
PAC COD	130.5	5.8	710.9	314.4	543.1	146.0	223.2	284.0	239.1	118.0	115.0
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	101.8	0.0	3.7	4.0	15.6	221.0	4.5	15.5	0.2	46.4	99.2
EELPOUTS	0.0	13.1	20.6	27.9	6.0	6.3	8.2	6.4	3.0	0.0	0.0
OTHER RNDFISH	3.0	1.2	6.2	0.5	0.9	2.2	0.4	1.3	0.0	1.0	5.3
TOT ROUNDFISH	1019.8	898.1	1829.3	1561.3	1967.0	1073.5	1289.9	1350.2	1283.1	285.3	400.5
YELLOW SOLE	24.6	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	632.4	425.0
ROCK SOLE	14.8	20.4	5.2	33.0	46.0	20.4	4.5	3.0	5.7	427.4	171.0
FLATHEAD SOLE	1.6	11.6	4.1	1.3	36.8	17.0	7.4	30.5	1325.4	2.9	0.0
ALASKA PLAICE	279.0	11.6	7.2	0.0	52.9	28.0	0.0	0.0	0.0	112.2	92.0
GREENLAND TBT	0.0	0.0	0.0	0.0	18.4	29.4	3.0	31.0	0.0	0.0	0.0
ARROWTOOTH FL	0.0	0.0	5.2	96.3	41.4	68.0	29.8	21.0	170.8	0.0	0.0
PAC HALIBUT	0.0	0.0	0.0	9.8	0.0	0.0	0.0	0.0	0.0	3.9	10.8
OTHER FLTFISH	32.8	30.6	0.0	3.8	0.0	0.0	0.0	0.0	0.0	1.5	5.6
TOT FLATFISH	352.8	88.8	21.7	144.2	195.5	162.8	44.7	85.5	1501.9	1180.3	704.4
SKATES	0.0	90.3	261.7	256.1	112.8	115.0	238.1	141.0	216.4	85.1	33.0
TOT ELASMOBRH	0.0	90.3	261.7	256.1	112.8	115.0	238.1	141.0	216.4	85.1	33.0
RED KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	8.6	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	0.0	0.0	7.6	0.9	2.3	3.2	1.6	16.4	2.1	0.0	0.0
TANNER, OPILIO	355.1	632.0	117.6	134.2	184.2	201.6	106.6	81.9	60.1	0.0	0.2
TANNER, HYBRID	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER CRAB	48.4	69.9	0.6	2.3	4.1	17.9	21.9	18.7	15.9	4.4	54.3
SNAILS	180.2	103.1	15.6	44.3	26.6	112.1	40.1	29.1	51.3	6.2	27.4
SHRIMP	0.0	0.0	0.0	0.8	1.3	2.5	1.6	1.6	0.0	0.4	0.3
STARFISH	87.8	29.7	31.0	44.4	76.4	50.5	218.1	130.6	45.6	107.0	265.0
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0
OTHER INVERTS	11.5	7.4	0.2	2.6	4.9	3.5	7.2	2.4	12.2	1.2	33.8
TOTAL INVERTS	684.5	842.1	181.2	237.5	299.8	391.3	397.1	283.4	187.2	119.2	381.0
EMPTY SHELLS	40.7	30.9	6.2	1.0	4.6	20.0	12.2	3.0	11.4	0.2	9.9
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	2097.8	1950.2	2300.1	2200.1	2579.7	1762.6	1982.0	1863.1	3200.0	1670.1	1528.8

Appendix (continued)

STATION ID	5536	5538	5540	5542	5544	5546	5550	5552	5554	5556	5558
MONTH/DAY/YEAR	6/29/87	7/ 7/87	7/ 7/87	7/ 8/87	7/ 9/87	7/20/87	7/29/87	7/29/87	7/28/87	7/26/87	7/28/87
LATITUDE START	60 1.0	59 59.2	59 58.7	60 0.4	60 0.9	60 0.6	59 59.4	59 59.4	59 59.8	59 58.8	59 60.0
LONGITUDE START	169 19.3	169 59.2	170 37.9	171 18.2	171 59.9	172 38.0	173 52.6	174 34.9	175 15.5	175 54.1	176 40.7
LATITUDE END	59 59.6	60 0.8	60 0.1	59 58.8	60 0.7	60 1.1	59 57.9	59 58.6	59 59.9	59 58.9	60 0.1
LONGITUDE END	169 19.4	169 59.5	170 38.2	171 17.8	171 57.4	172 37.3	173 52.6	174 32.7	175 12.6	175 50.9	176 37.8
LORAN START	32977.50	33040.20	18068.60	33077.60	17798.90	17660.10	17362.80	17181.90	17003.30	16830.00	16616.70
LORAN START	48915.10	49061.00	33077.00	49279.70	33083.70	33091.10	49569.20	49619.80	49658.80	49695.30	33001.40
LORAN END	32995.70	33021.20	18063.60	33096.20	17808.30	17661.80	17364.80	17192.20	17015.90	16844.30	16631.90
LORAN END	48923.00	49053.40	33060.40	49287.10	33085.70	33085.40	49576.20	49621.00	49655.60	49692.50	33002.30
GEAR DEPTH	24	28	35	37	36	35	52	59	63	70	77
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.22	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.45	1.63	1.40	1.59	1.29	0.62	1.52	1.40	1.43	1.59	1.45
PERFORMANCE / GEAR	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 38	0 / 38	0 / 38	0 / 38	0 / 38
POLLOCK	31.9	925.0	903.3	119.6	79.6	0.0	2156.8	511.6	2576.7	2734.4	869.1
PAC COD	99.2	498.3	156.0	10.2	39.5	0.0	163.3	212.5	243.0	394.9	278.9
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROCKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	1.3	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	77.9	7.5	53.4	88.7	190.0	1.8	10.0	2.6	102.8	40.3	4.5
EELPOUTS	0.0	0.0	6.4	5.9	2.8	0.0	57.7	4.1	7.4	48.8	19.5
OTHER ROUNDFISH	4.3	0.7	5.1	2.5	15.1	2.0	3.3	2.3	1.9	0.4	1.6
TOT ROUNDFISH	213.3	1432.8	1124.2	226.9	327.0	3.8	2406.1	733.1	2931.8	3218.8	1173.6
YELLOW SOLE	258.5	407.1	157.0	65.5	21.8	0.0	3.3	0.0	0.0	0.0	0.0
ROCK SOLE	35.4	39.1	48.5	47.4	35.4	1.3	18.3	14.4	24.9	14.9	9.7
FLATHEAD SOLE	3.5	9.8	3.8	0.0	0.0	0.0	11.7	3.1	6.2	159.2	170.3
ALASKA PLAICE	194.8	2045.4	425.0	316.0	162.5	2.7	6.7	3.1	18.7	0.0	0.0
GREENLAND TOT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	37.4	0.0	17.8
ARROWTOOTH FL	0.0	0.0	0.0	0.0	0.2	0.0	0.0	35.1	20.3	0.0	21.1
PAC HALIBUT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER FLTFISH	0.0	6.5	53.1	79.0	4.4	0.0	11.7	0.0	0.0	21.2	0.0
TOT FLATFISH	492.2	2507.9	687.4	507.9	224.3	4.0	51.7	62.9	107.5	195.3	218.9
SKATES	0.0	0.0	5.0	0.0	0.0	0.0	246.7	163.0	62.3	27.6	1.6
TOT ELASMOBRH	0.0	0.0	5.0	0.0	0.0	0.0	246.7	163.0	62.3	27.6	1.6
RED KING CRAB	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	7.2	0.0	11.5	0.0	0.0	0.0	0.0
TANNER, BAIRDI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1
TANNER, OPILIO	115.1	269.2	286.5	1131.5	45.5	2.3	162.0	372.5	480.6	285.9	424.0
TANNER, HYBRID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
OTHER CRAB	282.7	287.8	5.6	72.3	89.4	0.2	5.0	3.8	41.1	61.5	48.0
SNAILS	630.8	202.4	36.5	100.1	58.3	0.0	28.9	210.1	103.5	26.4	19.5
SHRIMP	2.8	0.0	0.0	0.0	0.7	0.0	0.0	0.0	4.7	2.9	2.9
STARFISH	184.2	79.8	11.5	119.0	25.9	0.1	33.0	28.3	76.7	259.8	195.9
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	395.6	485.6	2.4	0.9	28.5	0.3	3.7	7.4	2.8	5.9	0.0
TOTAL INVERTS	1617.2	1324.8	342.5	1423.8	255.5	2.9	244.1	622.1	709.4	642.8	693.6
EMPTY SHELLS	327.3	54.5	2.1	41.8	8.1	0.0	1.3	8.7	19.0	15.3	2.3
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	2650.0	5360.0	2161.2	2200.4	814.9	10.7	2949.9	1589.8	3830.0	4099.8	2090.0

Appendix (continued)

STATION ID	5560	5562	5732	5734	5736	5738	5740	5742	5744	5750	5752
MONTH/DAY/YEAR	7/28/87	7/28/87	8/28/87	6/29/87	6/29/87	7/ 7/87	7/ 7/87	7/ 8/87	7/ 8/87	7/22/87	7/22/87
LATITUDE START	59 59.9	60 0.6	60 18.8	60 15.7	60 20.2	60 19.8	60 19.2	60 21.0	60 21.5	60 20.0	60 19.8
LONGITUDE START	177 11.4	177 54.8	168 0.3	168 42.3	169 17.9	170 4.9	170 39.4	171 22.6	172 4.1	174 3.5	174 42.6
LATITUDE END	60 0.0	59 59.3	60 20.3	60 14.3	60 19.1	60 21.3	60 20.9	60 19.4	60 20.1	60 19.6	60 21.1
LONGITUDE END	177 8.4	177 55.6	168 0.2	168 43.1	169 20.5	170 4.8	170 39.4	171 22.5	172 4.1	174 6.6	174 44.5
LORAN START	16478.50	16281.60	32661.40	32754.90	32742.80	32795.00	18005.40	32834.50	17737.20	17295.80	17136.30
LORAN START	32982.60	32948.50	48523.60	48704.70	48813.50	48971.50	32829.70	49181.50	32845.50	32871.90	32866.20
LORAN END	16492.30	16275.80	32643.20	32773.30	32758.60	32775.80	18000.50	32853.40	17740.40	17283.60	17127.60
LORAN END	32983.20	32958.00	48516.40	48714.50	48827.90	48963.00	32809.10	49189.50	32862.30	32875.40	32853.30
GEAR DEPTH	75	78	16	19	22	27	33	35	32	49	55
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.51	1.32	1.51	1.49	1.68	1.57	1.71	1.60	1.45	1.60	1.56
PERFORMANCE / GEAR	0 / 38	0 / 43	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 42	0 / 38	0 / 38
POLLOCK	1445.4	199.0	26.5	176.0	33.1	293.6	136.5	26.8	105.5	169.0	1623.5
PAC COD	824.9	203.0	147.5	261.0	492.6	19.4	9.0	38.0	41.7	41.0	179.1
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	7.6	0.9	20.8	108.0	105.1	37.9	14.1	64.0	189.6	0.0	1.2
EELPOUTS	2.6	11.0	0.0	0.0	0.0	0.0	17.2	12.2	0.0	0.4	23.4
OTHER RNDFISH	22.7	0.5	60.9	17.3	8.1	1.2	5.5	0.9	31.2	0.0	3.9
TOT ROUNDFISH	2303.2	414.4	255.7	562.3	638.9	352.1	182.9	141.9	368.0	210.4	1831.1
YELLOW SOLE	0.0	0.0	1313.8	307.0	768.3	194.1	49.0	43.0	12.1	0.0	0.0
ROCK SOLE	0.8	2.0	31.8	102.0	53.7	21.8	12.5	9.0	4.3	8.0	19.5
FLATHEAD SOLE	26.5	23.5	0.0	0.0	11.0	0.0	2.0	0.0	0.0	0.0	29.2
ALASKA PLAICE	0.0	0.0	37.5	91.0	698.4	266.9	1225.8	941.0	54.0	4.0	0.0
GREENLAND TBT	47.3	97.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7
ARROWTOOTH FL	56.8	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HALIBUT	0.0	0.0	24.0	27.4	15.2	0.0	0.0	0.0	0.0	0.0	0.0
OTHER FLTFISH	0.0	0.0	7.8	4.7	0.0	0.0	42.3	26.5	0.0	6.0	46.7
TOT FLATFISH	131.4	157.5	1414.9	532.1	1546.6	482.8	1331.6	1019.5	70.4	18.0	100.1
SKATES	22.7	98.0	0.0	31.0	58.8	12.1	2.5	10.0	6.1	10.0	31.1
TOT ELASMOBRH	22.7	98.0	0.0	31.0	58.8	12.1	2.5	10.0	6.1	10.0	31.1
RED KING CRAB	0.0	0.0	0.0	3.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	9.1	3.6	7.8
TANNER, BAIRDI	6.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
TANNER, OPILIO	113.2	16.9	0.0	0.1	0.0	521.0	375.5	778.5	131.6	119.0	286.5
TANNER, HYBRID	0.2	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
OTHER CRAB	35.2	32.3	1.7	93.9	404.2	129.5	5.7	22.1	450.8	0.3	5.1
SNAILS	26.7	39.5	0.0	40.0	317.5	96.8	29.8	30.5	165.0	0.1	40.2
SHRIMP	3.4	3.0	0.6	0.1	0.0	0.0	0.2	0.1	6.5	0.1	0.0
STARFISH	160.5	258.0	134.3	186.0	227.9	72.8	31.0	38.2	32.9	4.1	8.2
SQUID	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	0.0	19.9	2.7	32.7	366.1	330.5	3.0	0.9	465.3	0.0	9.0
TOTAL INVERTS	347.2	372.3	139.3	356.7	1318.4	1150.6	447.2	870.3	1261.2	127.3	356.8
EMPTY SHELLS	15.5	22.8	0.3	14.5	397.0	42.2	2.5	3.3	67.7	0.0	1.2
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	2820.0	1065.0	1810.2	1496.6	3959.7	2039.8	1966.7	2045.0	1773.4	365.7	2320.3

Appendix (continued)

STATION ID	5754	5756	5758	5760	5942	5944	5946	5948	5950	5952	5954
MONTH/DAY/YEAR	7/27/87	7/27/87	7/27/87	7/28/87	7/ 8/87	7/ 8/87	7/21/87	7/21/87	7/22/87	7/22/87	7/22/87
LATITUDE START	60 19.8	60 19.9	60 19.9	60 19.0	60 41.0	60 41.3	60 39.9	60 40.0	60 40.1	60 39.8	60 40.0
LONGITUDE START	175 23.9	176 3.1	176 43.9	177 22.7	171 25.6	172 7.0	172 46.8	173 27.3	174 4.7	174 49.3	175 26.4
LATITUDE END	60 20.0	60 20.0	60 19.9	60 17.6	60 39.4	60 39.8	60 40.1	60 38.9	60 40.0	60 41.4	60 39.9
LONGITUDE END	175 27.0	176 6.3	176 47.0	177 21.8	171 26.1	172 6.7	172 43.8	173 26.1	174 7.6	174 49.3	175 29.4
LORAN START	16963.20	16795.50	16618.90	16449.00	32599.00	17684.10	17553.20	17408.80	17268.60	17096.30	16948.00
LORAN START	32854.70	32840.30	32823.60	32813.80	49086.50	32617.90	32649.10	32656.50	32659.90	32663.80	32658.50
LORAN END	16949.50	16781.80	16605.30	16451.40	32617.70	17688.40	17563.30	17415.40	17258.20	17095.40	16936.20
LORAN END	32852.20	32838.30	32822.40	32826.20	49095.50	32634.60	32645.00	32649.30	32661.10	32647.50	32658.50
GEAR DEPTH	60	66	75	81	33	33	23	35	47	53	59
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.56	1.59	1.55	1.47	1.58	1.47	1.54	1.38	1.39	1.62	1.44
PERFORMANCE / GEAR	0 / 38	0 / 38	0 / 38	0 / 38	0 / 38	0 / 42	0 / 38	0 / 38	0 / 42	0 / 38	0 / 38
POLLOCK	1889.4	1694.9	1131.1	522.5	0.5	17.5	27.0	221.0	2161.4	692.0	1744.6
PAC COD	314.3	80.7	183.5	66.2	29.0	8.0	1070.5	76.5	73.3	53.0	327.1
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROCKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	186.8	11.0	0.0
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	46.3	6.7	2.1	20.1	62.5	31.5	51.5	179.5	0.2	0.0	7.7
EELPOUTS	13.0	5.0	11.9	3.4	170.0	32.4	0.0	0.0	0.0	2.1	6.5
OTHER ROUNDFISH	3.6	4.2	0.9	0.7	8.0	7.9	0.6	6.1	0.0	0.0	0.0
TOT ROUNDFISH	2266.6	1793.2	1329.5	612.9	270.0	97.3	1149.6	483.1	2421.7	758.1	2085.9
YELLOW SOLE	0.0	0.0	0.0	0.0	10.0	36.0	8.0	2.5	0.0	0.0	0.0
ROCK SOLE	23.5	21.2	0.0	10.2	0.1	0.8	22.0	21.0	7.1	9.0	27.3
FLATHEAD SOLE	5.4	10.6	21.3	4.1	0.0	0.0	0.0	0.0	0.0	15.5	16.4
ALASKA PLAICE	10.8	0.0	0.0	0.0	27.0	34.0	196.0	27.0	5.9	0.0	27.3
GREENLAND TBT	0.0	0.0	34.1	71.3	0.0	0.0	0.0	0.0	0.0	2.5	54.5
ARROWTOOTH FL	33.6	8.5	21.3	30.5	0.0	0.0	0.0	0.0	0.0	1.5	0.0
PAC HALIBUT	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0
OTHER FLTFISH	5.4	0.0	0.0	0.0	25.0	40.0	9.5	1.0	7.1	51.0	16.4
TOT FLATFISH	78.7	40.3	76.7	116.1	62.1	110.8	238.8	51.5	20.1	79.5	141.9
SKATES	18.1	165.7	0.0	50.9	0.0	0.0	20.0	0.0	2.4	12.0	49.1
TOT ELASMOBRH	18.1	165.7	0.0	50.9	0.0	0.0	20.0	0.0	2.4	12.0	49.1
RED KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	8.0	6.0	5.5	0.0	0.0
TANNER, BAIRDI	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
TANNER, OPILIO	159.0	354.3	562.0	912.0	1050.0	963.9	39.8	639.8	246.2	411.0	580.0
TANNER, HYBRID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER CRAB	41.2	25.9	42.7	24.4	3.0	6.3	11.0	11.6	0.0	2.8	21.8
SNAILS	62.2	115.2	32.9	13.3	2.8	2.0	5.2	26.7	0.0	3.1	99.3
SHRIMP	1.1	0.4	0.4	3.3	0.1	0.1	0.2	0.2	0.0	0.1	0.0
STARFISH	125.8	82.8	133.1	160.2	37.0	158.0	4.6	18.7	4.0	5.0	42.6
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	7.3	3.4	4.7	2.0	0.4	5.0	4.5	8.1	0.0	0.6	8.8
TOTAL INVERTS	356.7	582.0	775.8	1115.2	1093.3	1135.3	73.3	711.1	255.7	422.6	752.6
EMPTY SHELLS	10.1	8.5	7.7	5.1	0.2	0.9	0.0	0.1	0.0	0.2	10.9
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	2770.2	2569.7	2189.7	1900.2	1425.6	1344.3	1481.7	1245.8	2699.9	1272.4	3040.4

Appendix (continued)

STATION ID	5956	5958	5960	5962	6142	6144	6146	6148	6150
MONTH/DAY/YEAR	7/27/87	7/27/87	7/25/87	7/25/87	7/ 8/87	7/ 8/87	7/21/87	7/21/87	7/22/87
LATITUDE START	60 39.5	60 40.2	60 40.0	60 40.0	60 59.7	60 58.9	60 59.7	60 60.0	60 58.1
LONGITUDE START	176 10.7	176 46.6	177 29.7	178 10.3	171 27.1	172 8.3	172 48.7	173 29.7	174 11.2
LATITUDE END	60 38.8	60 40.4	60 39.1	60 40.4	61 0.0	60 57.4	61 1.1	61 0.1	60 59.6
LONGITUDE END	176 8.1	176 43.5	177 27.9	178 7.5	171 30.4	172 7.7	172 50.2	173 32.9	174 11.0
LORAN START	16767.70	16619.70	16440.10	16271.10	32379.20	17642.80	17511.20	17371.30	17225.50
LORAN START	32655.70	32641.10	32630.80	32618.10	48997.70	32415.30	32427.20	32440.30	32471.60
LORAN END	16778.10	16632.30	16446.70	16283.10	32377.90	17647.70	17503.90	17360.00	17224.30
LORAN END	32663.00	32635.60	32639.30	32615.90	49004.10	32431.90	32412.40	32439.70	32456.00
GEAR DEPTH	65	71	80	88	32	35	35	40	45
DURATION IN HOURS	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
DISTANCE FISHED	1.45	1.50	1.28	1.41	1.61	1.50	1.56	1.55	1.49
PERFORMANCE / GEAR	0 / 38	0 / 38	0 / 38	0 / 38	0 / 38	0 / 42	0 / 38	0 / 38	0 / 42
POLLOCK	1873.1	652.0	733.0	1221.0	0.3	3.8	281.0	239.5	2055.6
PAC COD	263.3	305.0	47.0	75.0	0.0	15.2	52.5	27.5	50.2
PAC OC PERCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER ROCKFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SABLEFISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAC HERRING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	67.7
ATKA MACKEREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCULPINS	1.8	4.5	2.5	11.5	71.3	13.9	113.9	69.5	8.7
EELPOUTS	23.9	9.0	8.0	6.5	53.5	5.6	4.0	0.4	0.0
OTHER RNDFISH	12.0	0.8	7.0	1.0	46.8	14.8	6.0	5.1	0.4
TOT ROUNDFISH	2174.1	971.3	797.5	1315.0	171.9	53.3	457.4	342.4	2182.6
YELLOW SOLE	0.0	0.0	0.0	0.0	9.2	3.5	4.0	3.0	4.4
ROCK SOLE	10.5	3.0	4.0	0.8	0.6	1.0	1.0	22.0	29.5
FLATHEAD SOLE	3.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALASKA PLAICE	0.0	0.0	0.0	0.0	22.9	8.0	10.0	15.0	6.6
GREENLAND TBT	6.0	22.0	24.0	4.0	0.0	0.0	0.0	0.0	0.9
ARROWTOOTH FL	13.5	5.0	20.0	42.0	0.0	0.0	0.0	0.0	0.0
PAC HALIBUT	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0
OTHER FLTFISH	1.2	2.0	7.0	1.0	0.3	21.1	63.0	32.4	50.3
TOT FLATFISH	34.2	40.0	55.0	47.8	33.0	35.4	78.0	72.4	91.7
SKATES	19.4	0.0	45.0	53.5	0.0	12.0	0.0	4.0	0.0
TOT ELASMOBRH	19.4	0.0	45.0	53.5	0.0	12.0	0.0	4.0	0.0
RED KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BLUE KING CRAB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TANNER, BAIRDI	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
TANNER, OPILIO	141.5	172.5	176.5	48.2	1703.5	1834.6	452.7	278.5	123.5
TANNER, HYBRID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER CRAB	32.0	24.0	23.4	14.4	7.7	6.0	18.7	8.8	0.0
SNAILS	68.6	27.5	21.3	40.4	24.1	3.0	5.9	10.2	0.0
SHRIMP	0.9	0.6	1.1	0.5	0.0	0.0	0.0	0.1	0.0
STARFISH	132.2	40.7	119.0	23.2	94.9	435.1	8.0	12.5	2.2
SQUID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOPUS	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
OTHER INVERTS	4.8	0.2	2.5	3.4	2.4	11.8	2.1	0.5	0.0
TOTAL INVERTS	380.0	265.5	343.8	130.3	1832.6	2290.5	487.4	310.6	125.7
EMPTY SHELLS	2.4	3.6	0.0	12.0	2.4	1.1	5.1	1.2	0.0
OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL CATCH	2610.1	1280.4	1241.3	1558.6	2039.9	2392.3	1027.9	730.6	2400.0