**Northwest and Alaska Fisheries Center**

National Marine Fisheries Service

U.S DEPARTMENT OF COMMERCE

# NWAFC PROCESSED REPORT 88-15

# Report to Industry: Results of the 1987 U.S.-Japan Coperative Bottom Trawl Survey of the Central and Western Gulf of Alaska

June 1988

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Prepared by

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## INTRODUCTION

During the summer of 1987, the National Marine Fisheries Service's (NMFS), Northwest and Alaska Fisheries Center (NWAFC), Seattle, WA., in cooperation with the Fisheries Agency of Japan's (JFA), Far Seas Fisheries Research Laboratory (FSFRL), Shimizu, Japan, completed the second triennial groundfish resource assessment survey of the Gulf of Alaska (GOA). Survey operations in the central and western GOA were conducted by the NWAFC's Seattle based Resource Assessment and Conservation Engineering Division (RACE) and FSFRL's groundfish section. The eastern GOA was surveyed by the NWAFC's Auke Bay Alaska Laboratory (ABL) groundfish program[1].

From 22 May- 6 September, 828 bottom trawl hauls were attempted between the Islands of Four Mountains (170° W. long.) in the eastern Aleutian Islands and Cape St. Elias (144° 30' W. long.) in the central GOA at depths ranging from 11-411 fathoms, (20- 750 meters (m)) (Figure 1). The purpose of this report is to provide pertinent information collected by the research vessels operating in the central and western GOA to the U.S. fishing industry.

## METHODS

### Vessels and Gear Characteristics

The two U.S. charter vessels, the 24 m Nore-Dick and 26 m Lets Go are both house-forward style commercial stern trawlers powered with 500 and 565 horsepower (hp) main engines while the 50 m Taisei Maru No. 35, chartered by the Fisheries Agency of Japan, is a commercial stern trawler powered with a 3,400 hp main engine (Table 1). The Taisei Maru No. 35 had the highest average towing speed, 4.4 nautical miles per hour (nm/h), with the Lets Go and Nore-Dick being considerably slower with average towing speeds of 3.2 and 2.3 nm/h respectively.

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[1] Reports describing the fishing results of the 1984 or 1987 triennial surveys in the eastern Gulf of Alaska are available by contacting: Dr. George Snyder, NOAA, NMFS, Auke Bay Laboratory, P.O. Box 210155, Auke Bay, Alaska, 99821

All bottom trawling by the U.S. vessels was conducted with four seam, high-opening polyethylene Noreastern trawls equipped with rubber bobbin roller gear (Table 2, Appendix). This standard survey trawl has a 27.2 m headrope and 36.7 m footrope consisting of a 24.9 m center section with adjacent 5.9 m "flying wing" extensions. Accessory gear for the Noreastern trawl included 54.9 m triple dandylines and 1.8 X 2.7 m steel V-doors weighing approximately 700 kg each.

The Japanese trawl was also constructed of polyethylene webbing but had headrope-footrope dimensions of 55.6 and 65.0 m respectively and roller gear consisting of steel bobbins and automobile tires (Table 2, Appendix). This trawl was connected to 2.6 X 3.9 m curved steel doors, weighing approximately 3,200 kg each with a single and double dandyline arrangement totaling 156 m.

An acoustic net mensuration system consisting of a headrope unit and two wing units was used to measure the horizontal and vertical dimensions of the Noreastern trawl on the U.S. vessels while on the Japanese vessel, a headrope mounted transducer was used to measure the vertical opening of the trawl while a second transducer mounted sideways on the trawl wing was used to measure the horizontal trawl opening. Trawl width generally increased with increasing depth. The wingspread of the U.S. Noreastern trawl varied between 14.1- 15.5 m with the Lets Go exhibiting a larger spread by depth than the Nore-Dick. The wingspread of the Japanese trawl varied from 26.6 m at depths shallower than 100 m to 30.0 m at depths greater than 200 m.

Survey design and operations

The central and western Gulf of Alaska survey area was divided into 38 subareas based on bottom depth and geographical area (e.g. banks, gullies, flats, etc.). The sampling density assigned to each subarea was based on abundance estimates from the results of the 1984 U.S.-Japan cooperative bottom trawl survey of the central and western GOA. The uneven sampling distribution seen in Figure 1 is a result of assigning the highest sampling densities to subareas of highest estimated abundance.

During survey operations, the first trawlable location encountered near the selected station was sampled. In choosing the exact location, only the bottom conditions indicated by the echo sounder were considered and not the presence or absence of fish sign. Each survey station was scheduled to be towed for

one-half hour, however in cases where there was not enough trawlable bottom for a full one-half hour tow, shorter tows were completed. Net sonde units, mounted on the trawl headrope, were used to determine the on-bottom time of the trawl gear.

Catches weighing less than approximatley 1,000 kg were completly sorted to species and weighed. Larger catches were sampled to obtain a representative portion of approximately 1,000 kg. The numbers of individuals for each species and length distributions for selected species were determined from the total catch or from random samples. Additional biological data, age structures and other special collections were also made.

## Fishing Power Experiment

To estimate the differences in the relative efficiencies between the vessels and trawls used during the survey, a side-by-side trawling experiment was conducted at five locations east of Kodiak Island which were selected on the basis of depth, trawlability and the presence of important groundfish species. The experimental design called for each vessel to fish simultaneously in the same direction for 15 minutes in one of three side-by-side positions then return to the starting point, change positions relative to the other vessels and complete another tow, repeating this process until each vessel had completed each relative position twice at each site. The Taisei Maru No. 35 completed 45 comparison tows followed by the Nore-Dick and Lets Go with 44 and 43 tows respectively.

The results of the experiment indicate that, with only the exception of shortraker rockfish, the U.S. vessels equipped with Noreastern trawls had a higher fishing efficiency than the Japanese vessel/trawl combination (Table 3). Also, the catch rates obtained during the experiment by the U.S. vessels were very similar for most species except Pacific halibut, rock sole and sablefish which may be partially due to differences in towing speeds.

The relative differences in fishing efficiencies between vessels were only used in the distribution and abundance plots (Section 1) which adjusted the catches for each species to the catch predicted for the most efficient trawl. For example, in the case of arrowtooth flounder, the Japanese survey catches were multiplied by 1.50 which is the mean CPUE for arrowtooth flounder obtained by the U.S. vessels during the fishing power experiment divided by the CPUE obtained by the Japanese vessel. The smallest multiplier used to expand the Japanese survey catches

was for sablefish (1.21) while the largest multiplier was for Dover sole (7.06).

## ORGANIZATION OF REPORT AND DATA STANDARDIZATIONS

This report focuses on the catch data collected at individual stations and includes information for the principal species encountered during the survey. Section 1 contains distribution and relative abundance charts based on the adjusted catches of selected species at successfully completed survey stations. The fishing results for the Taisei Maru No. 35 are presented in Section 2 which consists of three parts: (1) station charts with haul numbers plotted adjacent to their respective geographical locations, (2) summary listings of species catches by haul, and (3) summary listings of catch rates in descending order of magnitude for selected species of commercial interest. Sections 3 and 4 containing the fishing results for the Lets Go and Nore-Dick respectively are similarly organized.

Explanations of the various adjustments and standardizations to the data are given in the title page of each section.

Explanations of the symbols and codes appearing in the fishing logs are summarized in Table 4.

The Appendix contains specifications and diagrams of the fishing gear used during the survey.

For further information regarding this survey contact:

Dr. Gary Stauffer, Division Director
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7600 Sand Point Way N.E.
BIN C15700, Bld. 4
Seattle, Washington 98115
(206) 526-4170

Table 1.-- Specifications of the research vessels participating in the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

| Vessel Characteristics | Nore-dick | Lets Go | Taisei Maru |
|---|---|---|---|
| Overall length (m) | 23.8 | 25.9 | 49.6 |
| Gross tonnage | -- | -- | 349.7 |
| Shaft horsepower | 500 | 565 | 3,400 |
| Propeller | std | w/nozzle | var. pitch |
| Mean towing speed (nm/h) | 2.31 | 3.20 | 4.38 |
| Crew | 4 | 4 | 24 |
| Scientists | 4 | 4 | 3 |

Table 2.-- Specifications of the fishing gear used during the 1987 triennial U.S.-Japan bottom trawl survey of the central and western Gulf of Alaska.

| Gear Component | U.S. trawl | Japanese trawl |
|---|---|---|
| Material | poly | poly |
| Headrope length (m) | 27.2 | 55.6 |
| Footrope length (m) | | |
| Center section | 24.9 | 65.0 |
| Wing sections (ea) | 5.9 | |
| Overall net length (m) | 45.9 | 89.8 |
| Codend: | single-layer | triple-layer |
| Mesh size of codend (mm) | 89.0 | 100.0 |
| Codend liner (mm) | 38.0 | |
| Diameter of bobbins (mm) | 356-457 | 530 |
| Diameter of tires (mm) | -- | 600 |
| Dandyline length (m) | 55 | 156 |
| Otter doors (m x m) | 1.83 x 2.74 | 2.55 x 3.85 |
| Approximate weight of otter doors (kg) | 727 | 3,200 |
| wingspread (m) | 14.1- 15.5 | 26.6- 30.0 |

Table 3.--Relative differences in fishing efficiencies observed during the 1987 fishing power comparison experiment (value of 1.00 is most efficient) and the resulting multipliers used to adjust survey catch rates shown in species distribution and abundance plots.

| Species | Relative differences between vessels | | | Catch multiplier | | |
|---|---|---|---|---|---|---|
| | U.S. 1 | U.S. 2 | Japan 3 | U.S. 1 | U.S. 2 | Japan 3 |
| Skates | 1.00 | .89 | .52 | -- | -- | 1.82 |
| Arrowtooth flounder | 1.00 | .96 | .65 | -- | -- | 1.50 |
| Pacific halibut | .41 | 1.00 | .67 | 2.43 | -- | 1.47 |
| Flathead sole | 1.00 | .92 | .46 | -- | -- | 2.08 |
| Dover sole | 1.00 | .88 | .13 | -- | -- | 7.06 |
| Rex sole | 1.00 | .95 | .38 | -- | -- | 2.58 |
| Rock sole | .46 | 1.00 | .15 | -- | -- | 4.96 |
| Walleye pollock | .87 | 1.00 | .43 | -- | -- | 2.20 |
| Pacific cod | 1.00 | .77 | .59 | -- | -- | 1.52 |
| Sablefish | .53 | 1.00 | .82 | 1.87 | -- | 1.21 |
| Shortspine thornyhead | .83 | 1.00 | .36 | -- | -- | 2.54 |
| Pacific ocean perch | 1.00 | .94 | .38 | -- | -- | 2.55 |
| Rougheye rockfish | .83 | 1.00 | .62 | -- | -- | 1.48 |
| Northern rockfish | 1.00 | .36 | .72 | -- | -- | 1.38 |
| Shortraker rockfish | .55 | .87 | 1.00 | 1.82 | 1.14 | -- |

Table 4.-- Definitions of codes and symbols used in the fishing logs of the 1987 triennial U.S.- Japan cooperative bottom trawl survey.

| | |
|---|---|
| Gear depth- | fathoms |
| Duration of tow- | tenths of an hour (standard tow is one-half hour) |
| Distance fished- | nautical miles |
| Gear performance- | 0 = satisfactory<br>1 = satisfactory tow, net snagged bottom but damage and fish loss were minimal<br>5 = unsatisfactory tow<br>6 = unsatisfactory, net snagged bottom<br>7 = unsatisfactory tow, torn net |
| Gear type- | 717 = Japanese polyethylene bottom trawl with roller gear<br>170/= U.S. polyethylene Noreastern<br>171 bottom trawl with roller gear |
| Catch units- | Section 1: Distribution and abundance plots use catch per unit effort of kilograms of catch per nautical mile trawled<br><br>Sections 2-4: Summary listings of species catches by haul are the catches in kilograms. Summary listings of catch rates for selected species use kilograms of catch per nautical mile trawled |

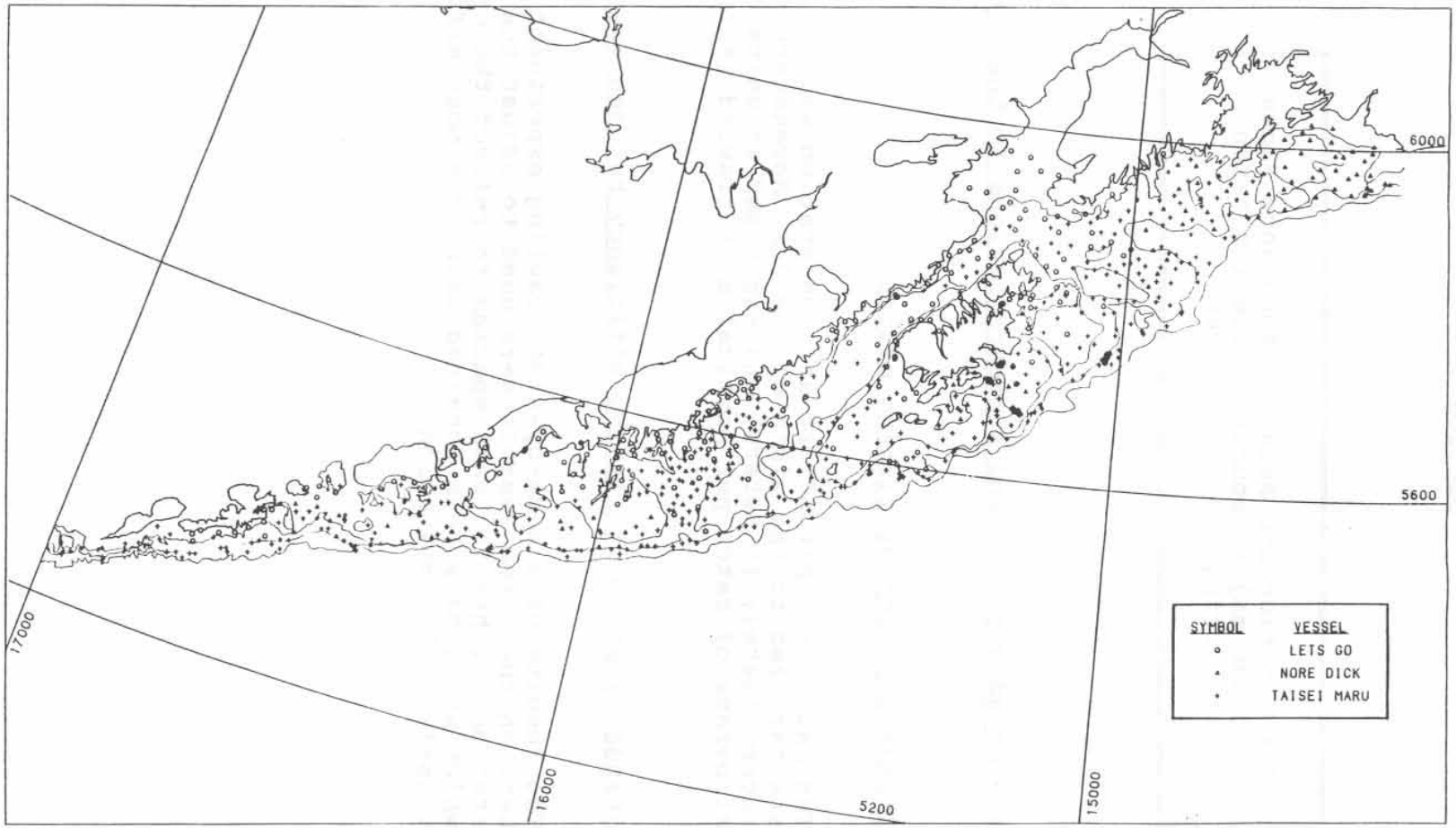


Figure 1.--Total survey stations attempted during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska by vessel, May 31-September 6, 1987.

# SECTION 1

Distribution and Relative Abundance Plots for the major groundfish species taken during the 1987 survey.

## Summary of adjustments and standardizations to the data

- Standardization of fishing effort:

  The catch per unit effort at each station was standardized to the width of the U.S. Noreastern trawl (approximately 15 meters) and expressed in units of kilograms of catch per nautical mile trawled (kg/nm).

- Standardization of fishing efficiency between vessels:

  The results of a side-by-side trawling experiment between the three vessels were used to adjust the station catches for each species to reflect the catch which would have been obtained using the most efficient vessel/trawl combination.

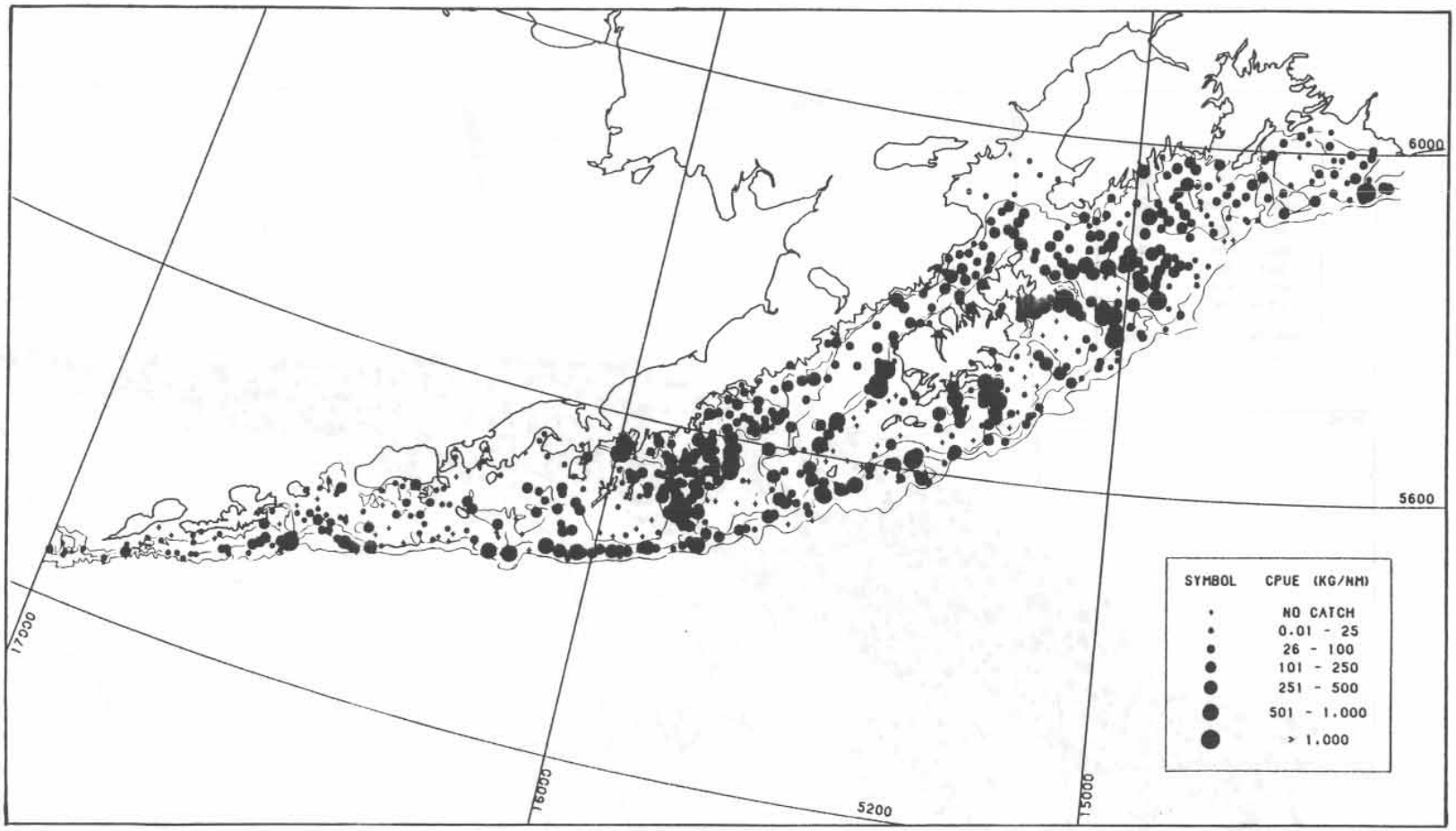


Figure 2.--Catch per unit effort (kilograms/nautical mile) of arrowtooth flounder, during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

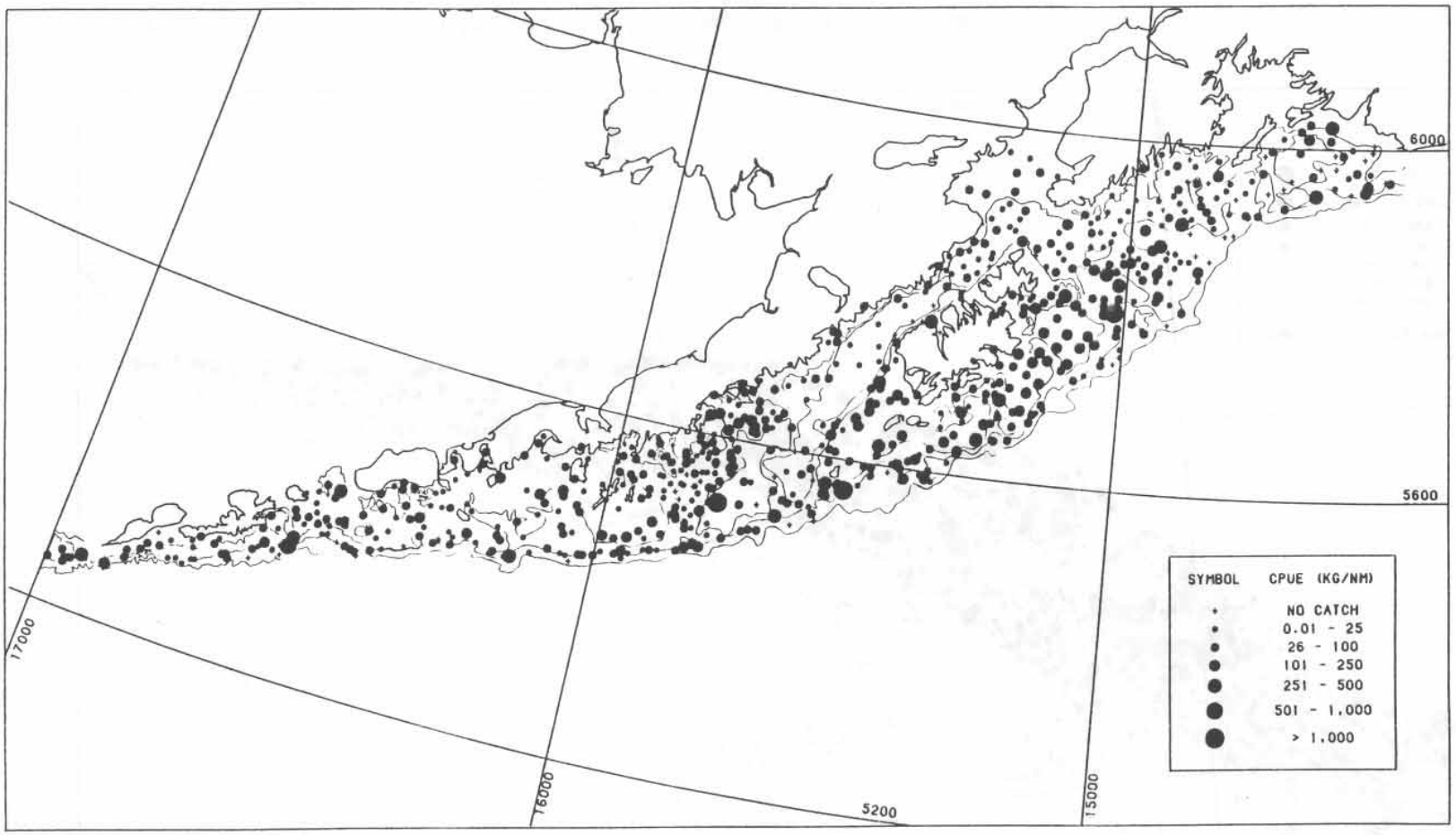


Figure 3.--Catch per unit effort (kilograms/nautical mile) of Pacific halibut, during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

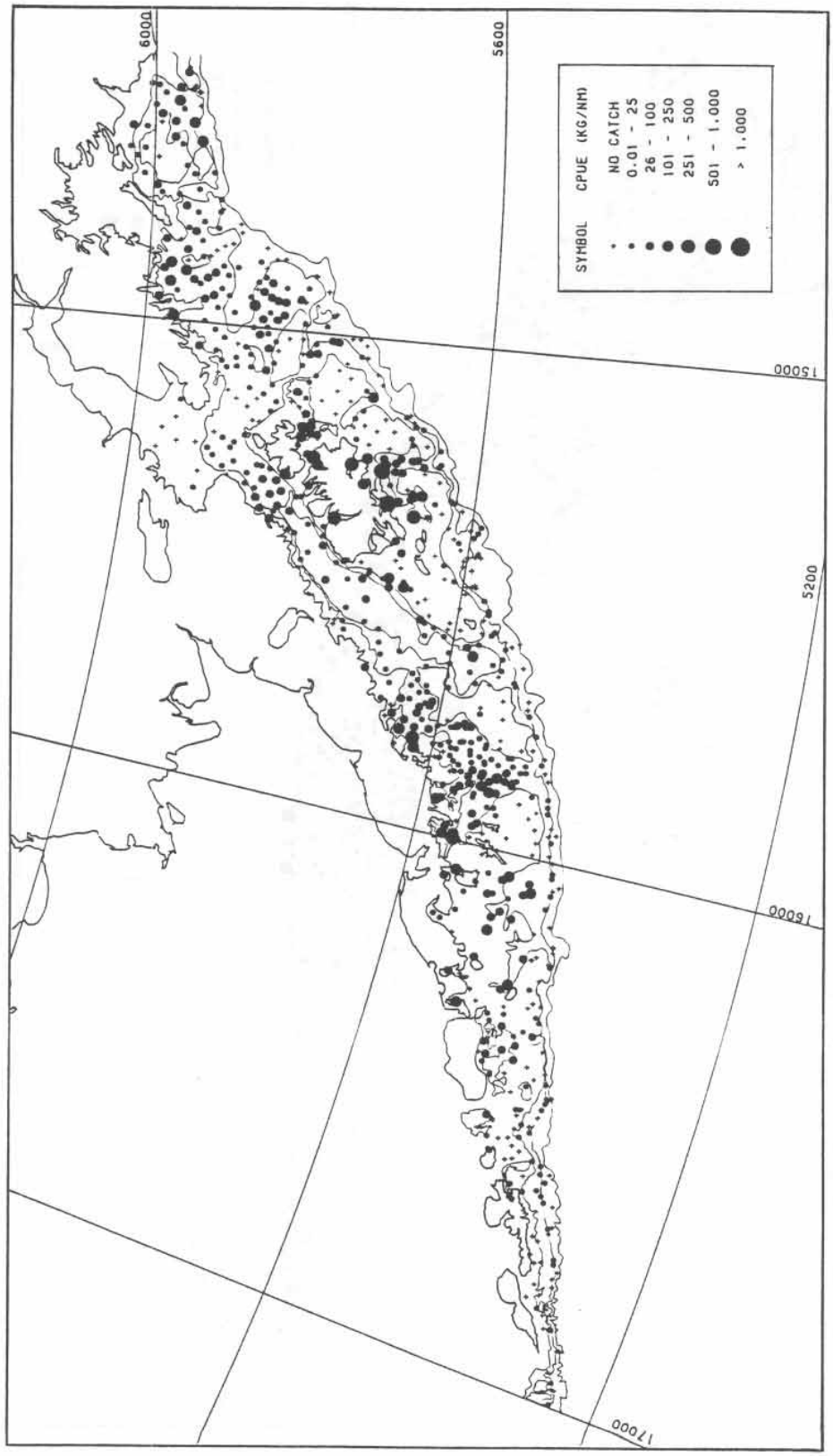


Figure 4.--Catch per unit effort (kilograms/nautical mile) of flathead sole, during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

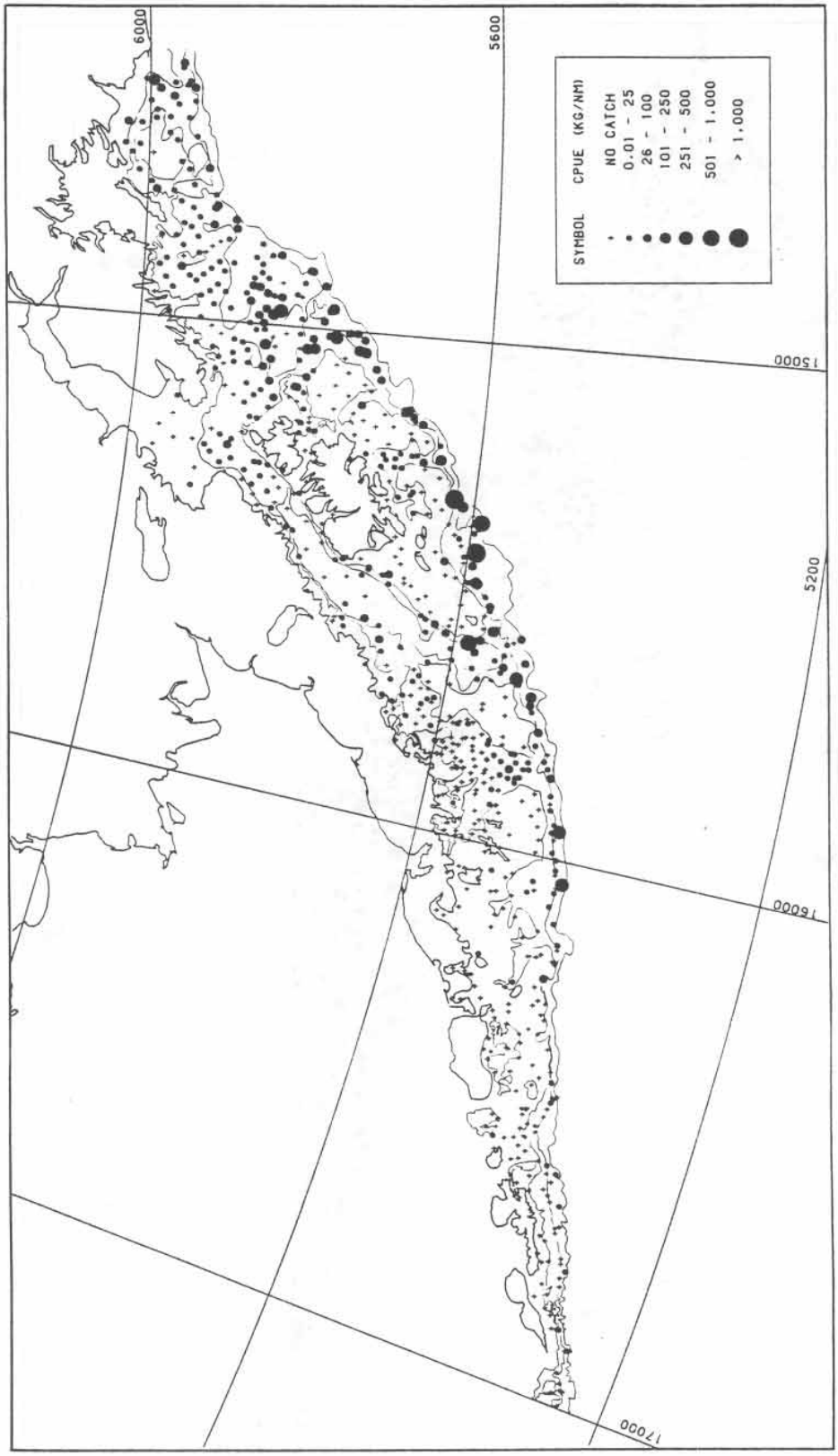


Figure 5.--Catch per unit effort (kilograms/nautical mile) of Dover sole, during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

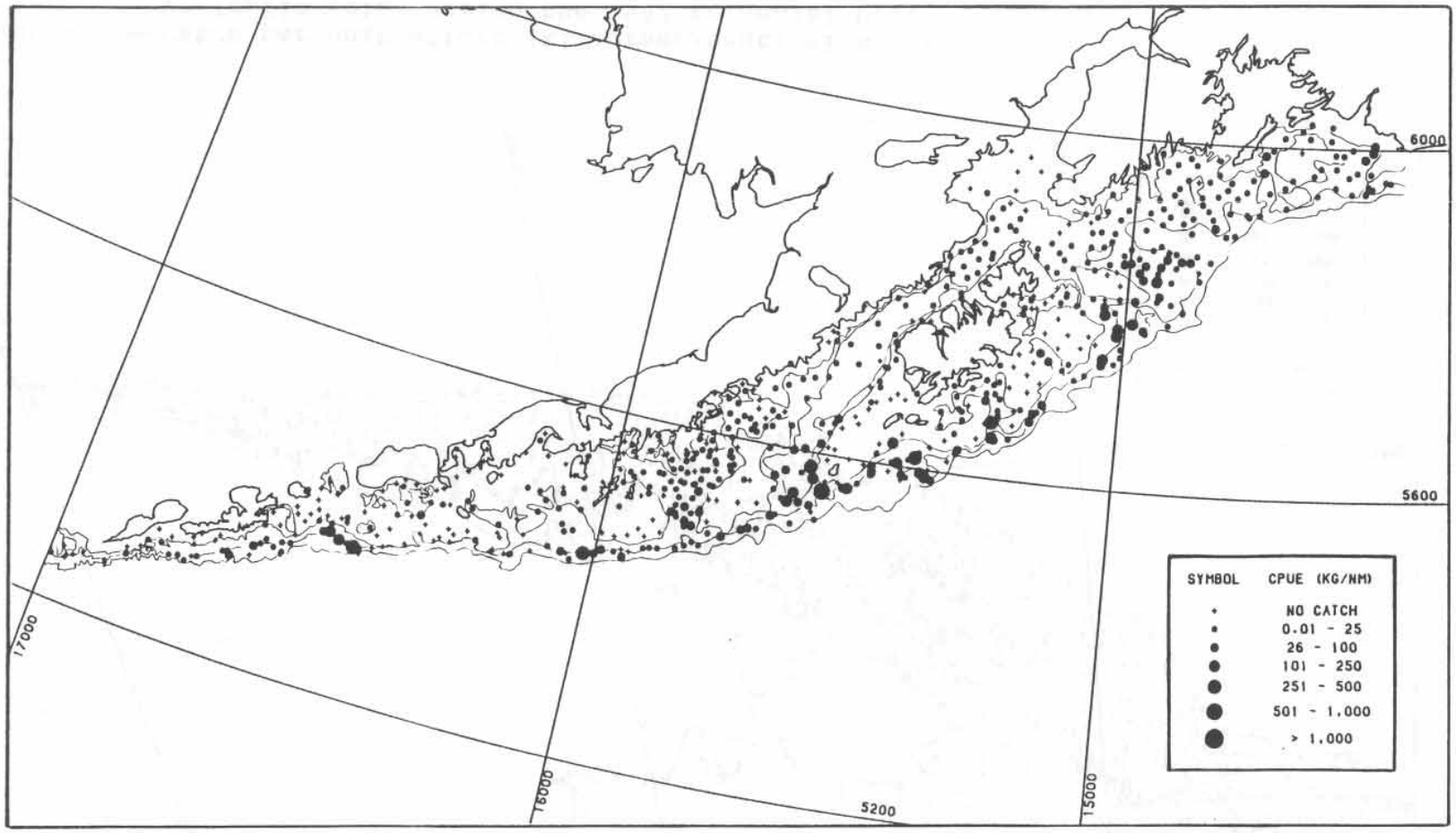


Figure 6.--Catch per unit effort (kilograms/nautical mile) of rex sole, during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

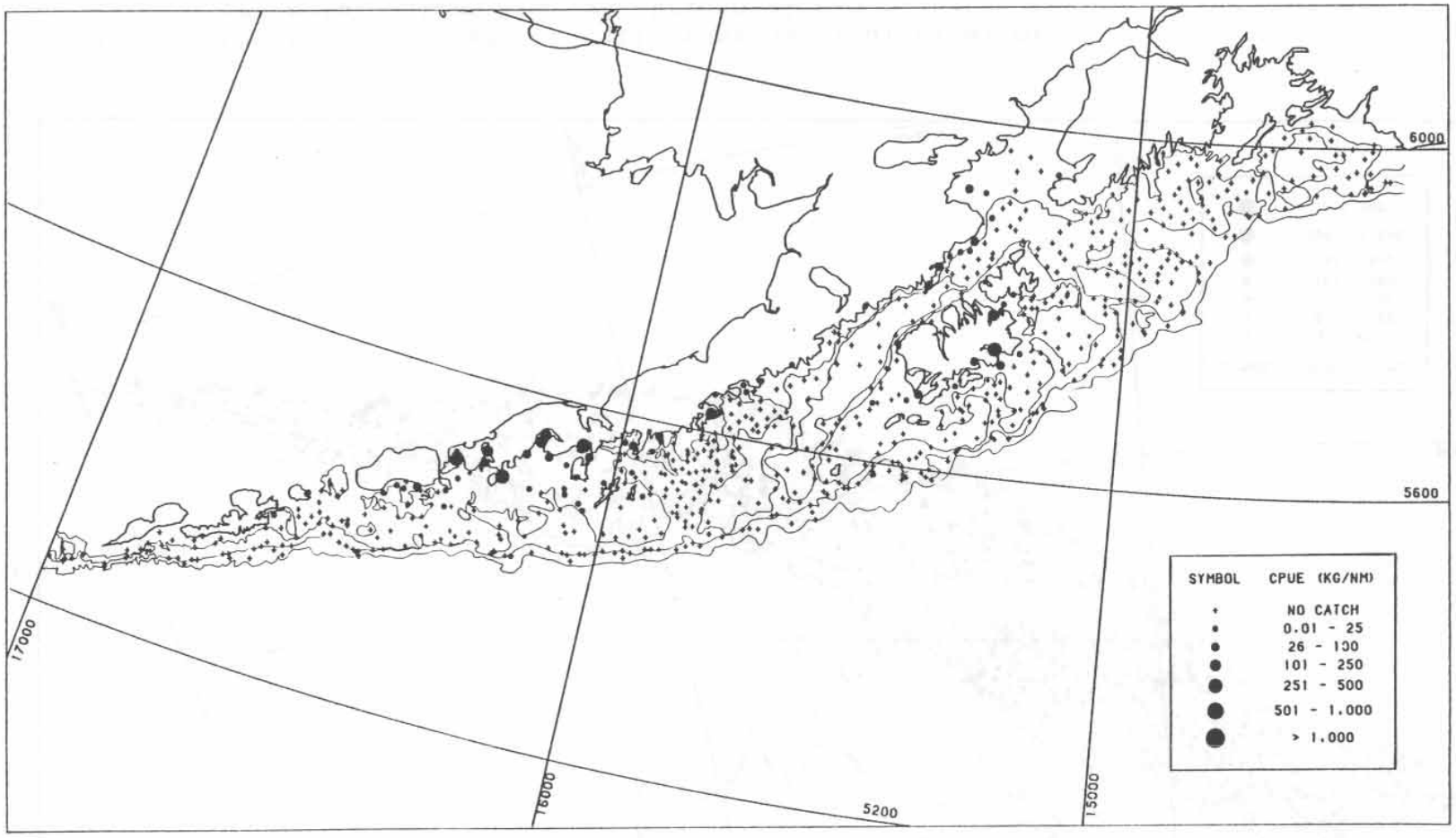


Figure 7.--Catch per unit effort (kilograms/nautical mile) of yellowfin sole, during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

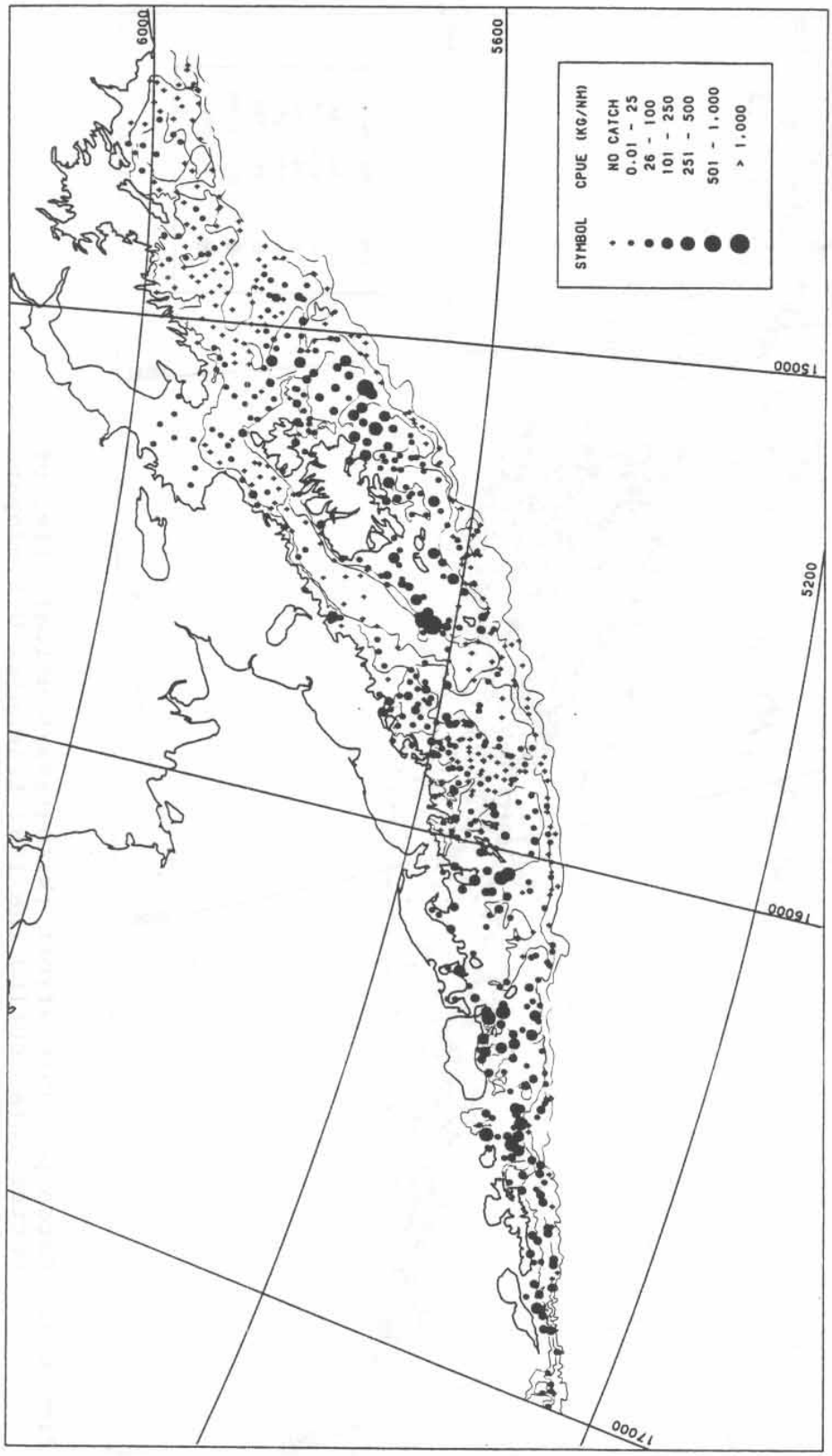


Figure 8.--Catch per unit effort (kilograms/nautical mile) of rock sole, during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the

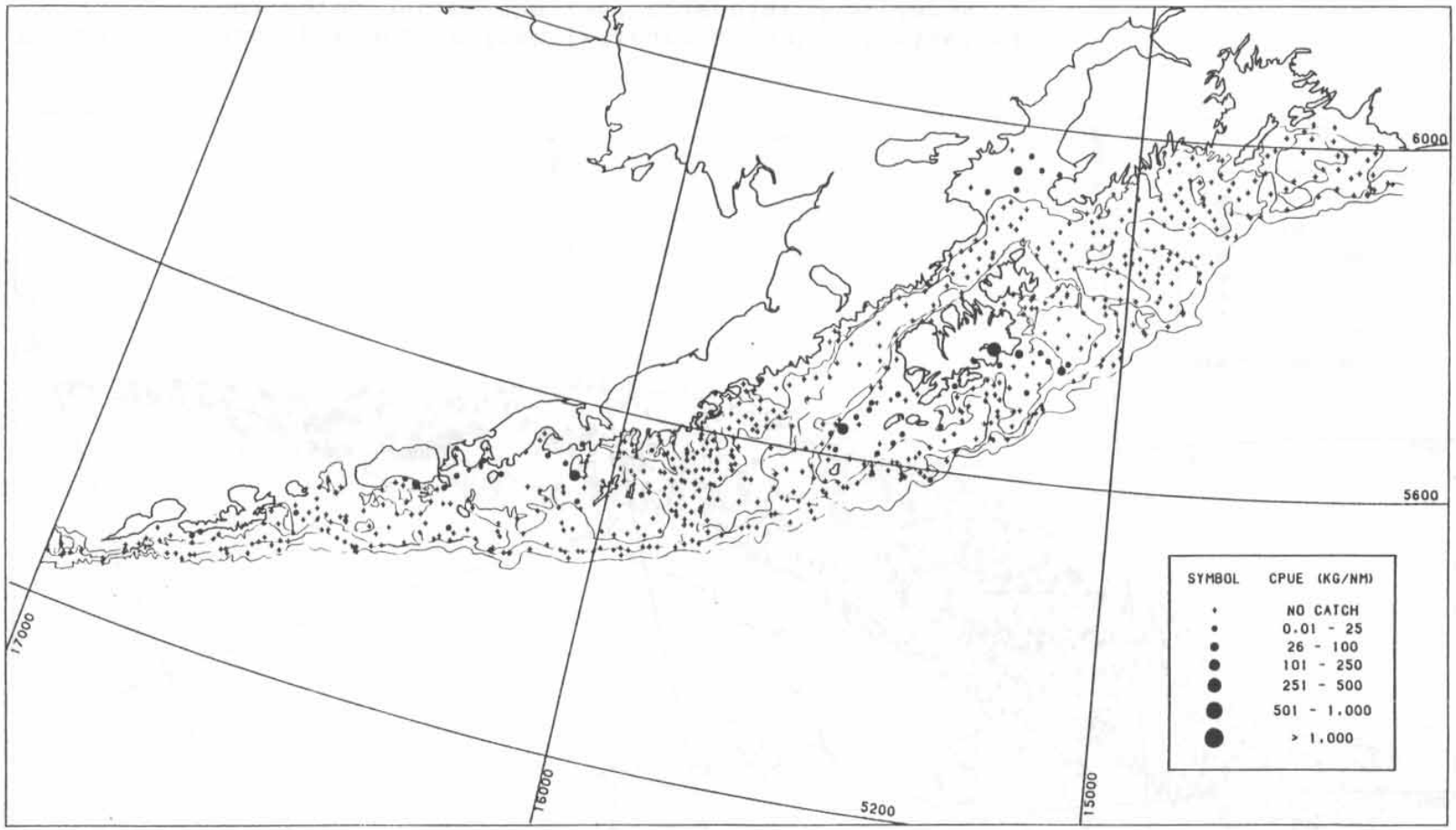


Figure 9.--Catch per unit effort (kilograms/nautical mile) of butter sole, during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

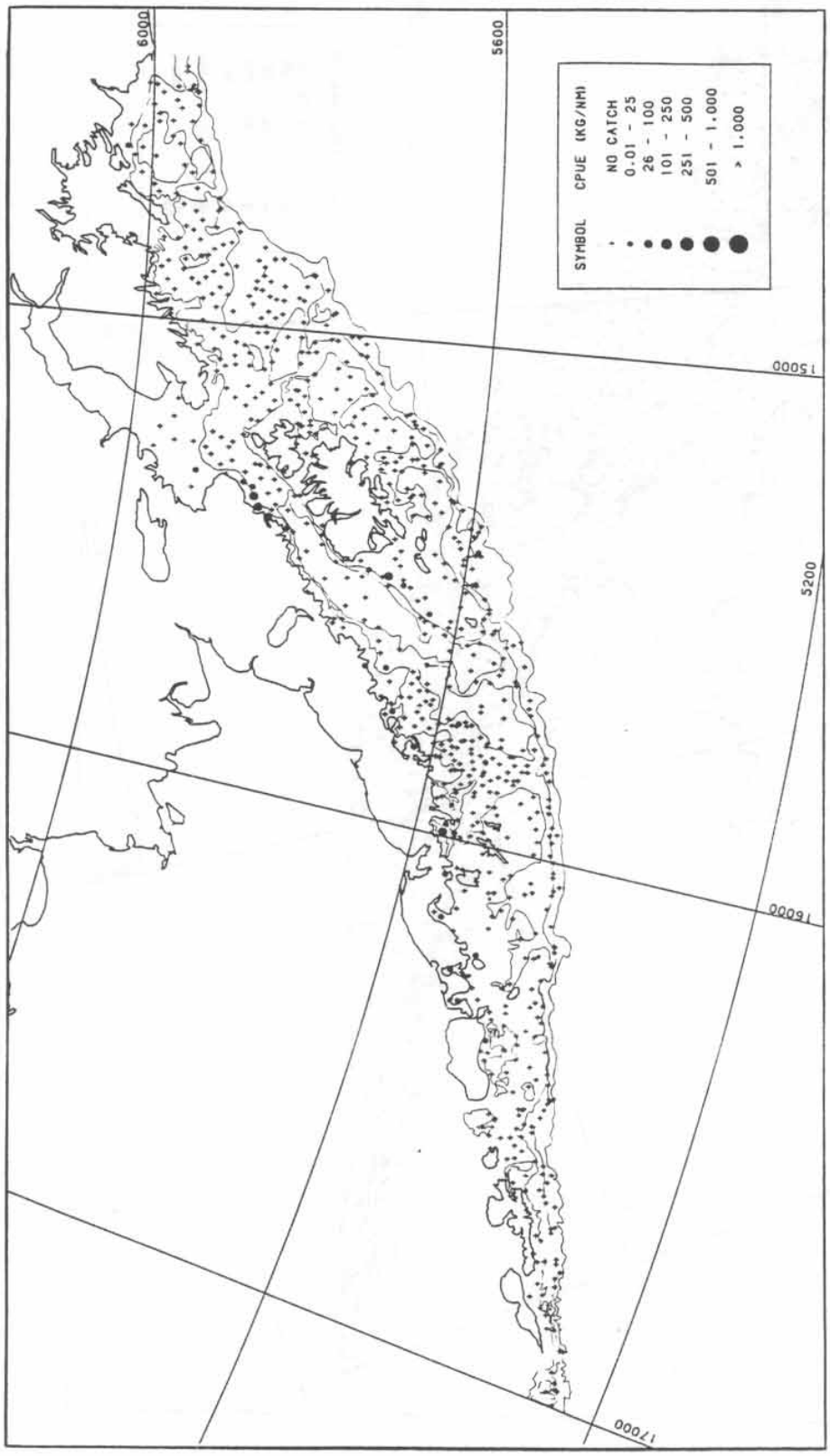


Figure 10.--Catch per unit effort (kilograms/nautical mile) of Alaska plaice, during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

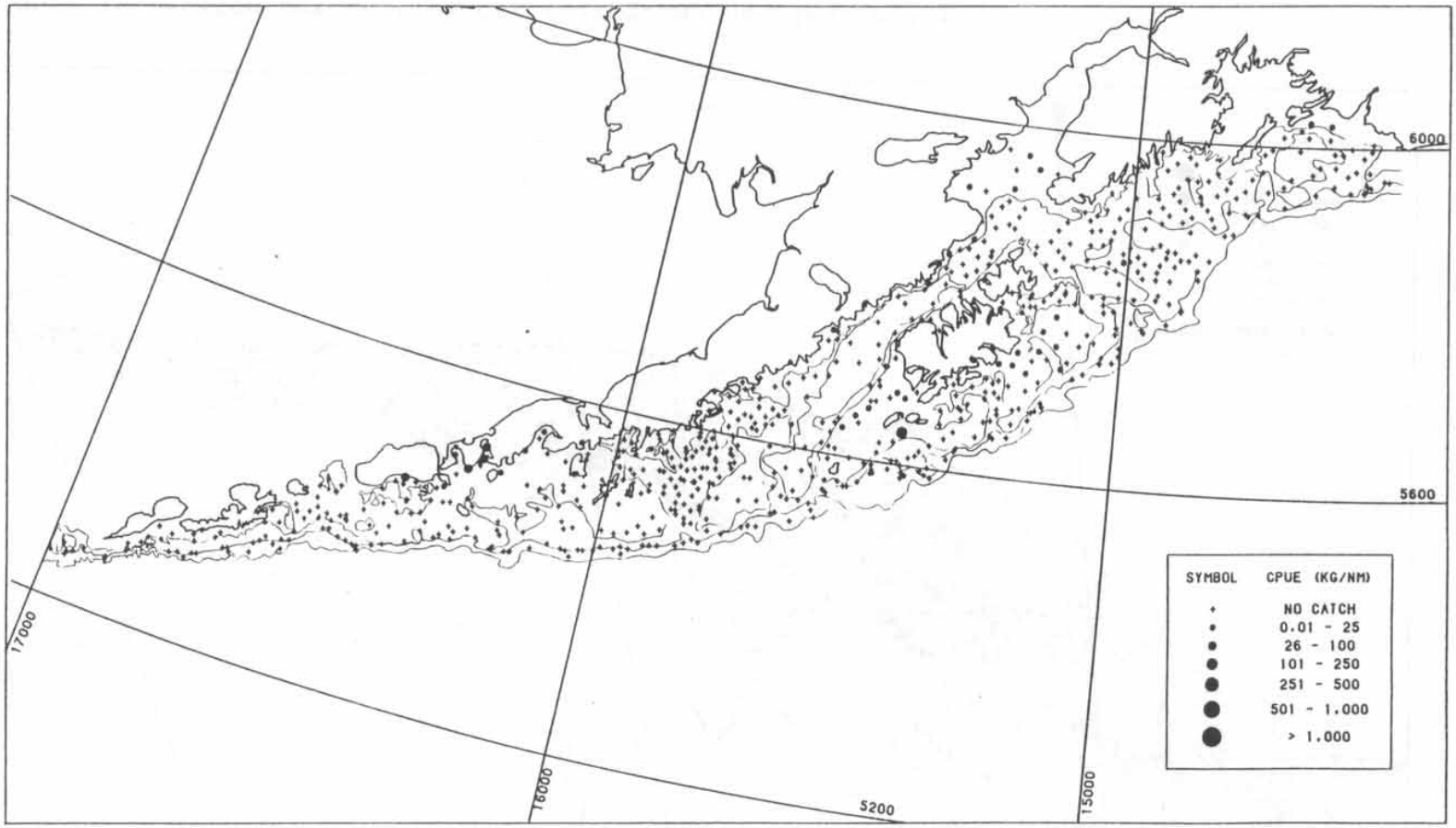


Figure 11.--Catch per unit effort (kilograms/nautical mile) of starry flounder, during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

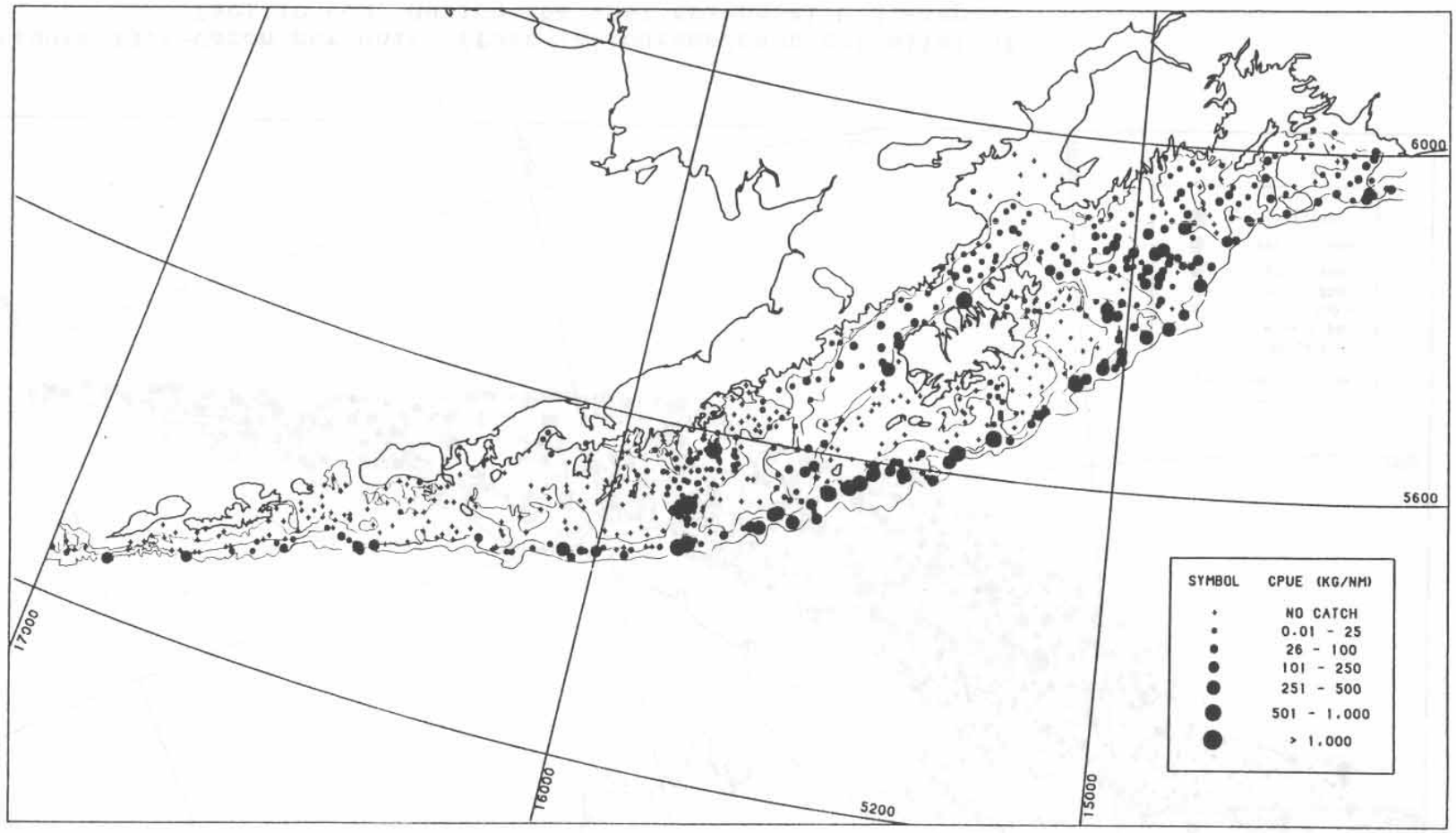


Figure 12.--Catch per unit effort (kilograms/nautical mile) of sablefish, during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

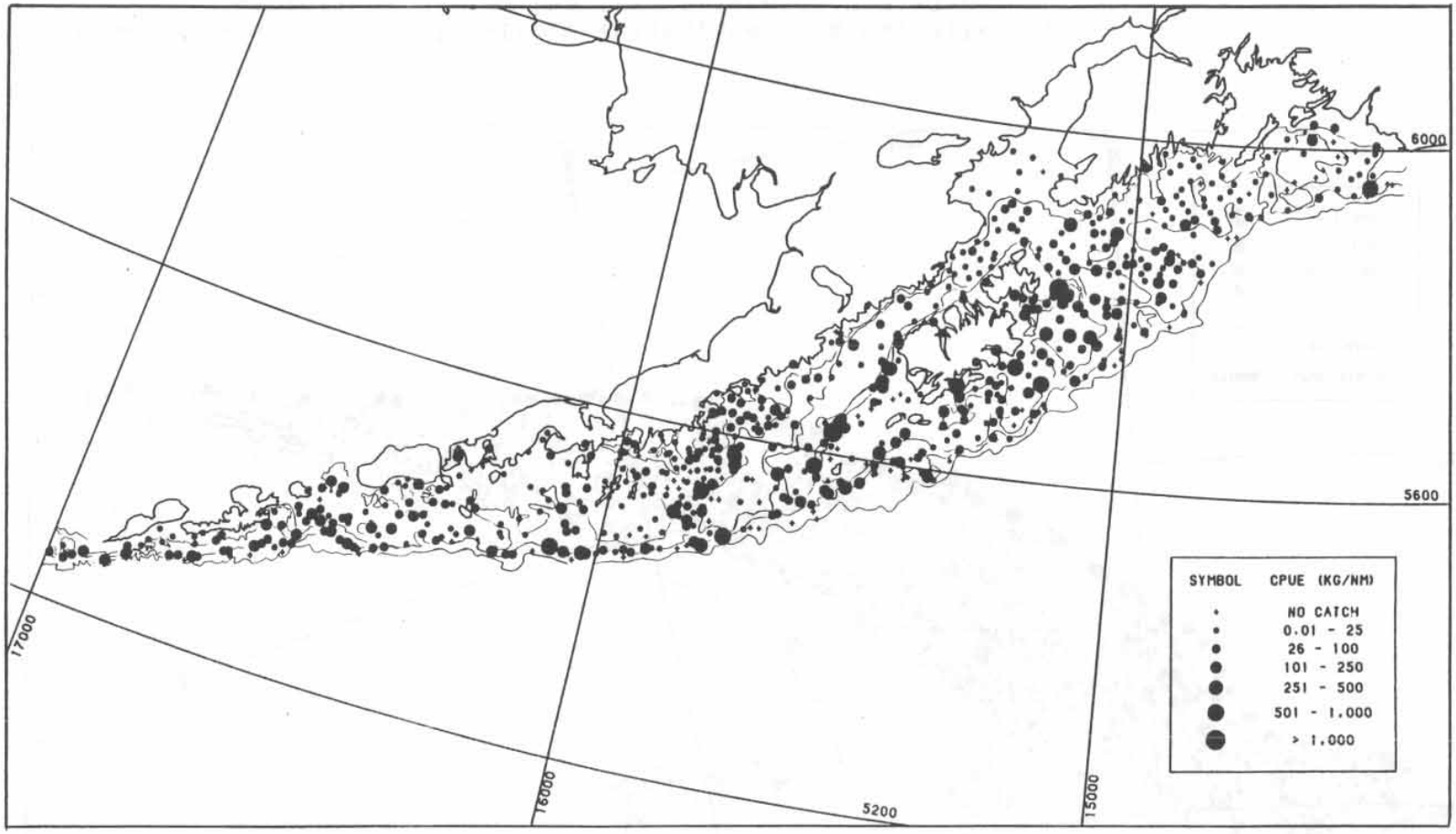


Figure 13.--Catch per unit effort (kilograms/nautical mile) of Pacific cod, during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

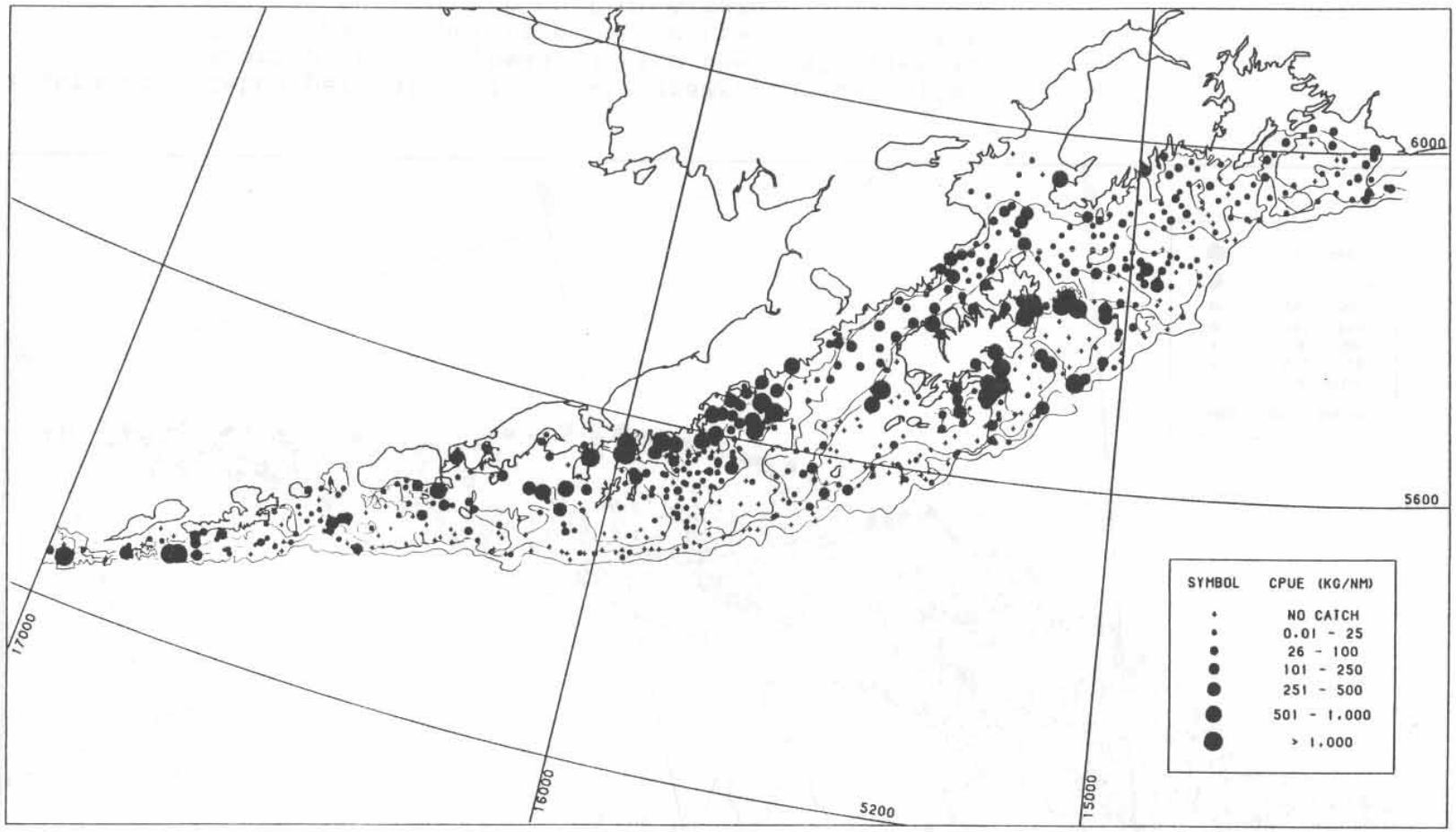


Figure 14.--Catch per unit effort (kilograms/nautical mile) of walleye pollock, during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

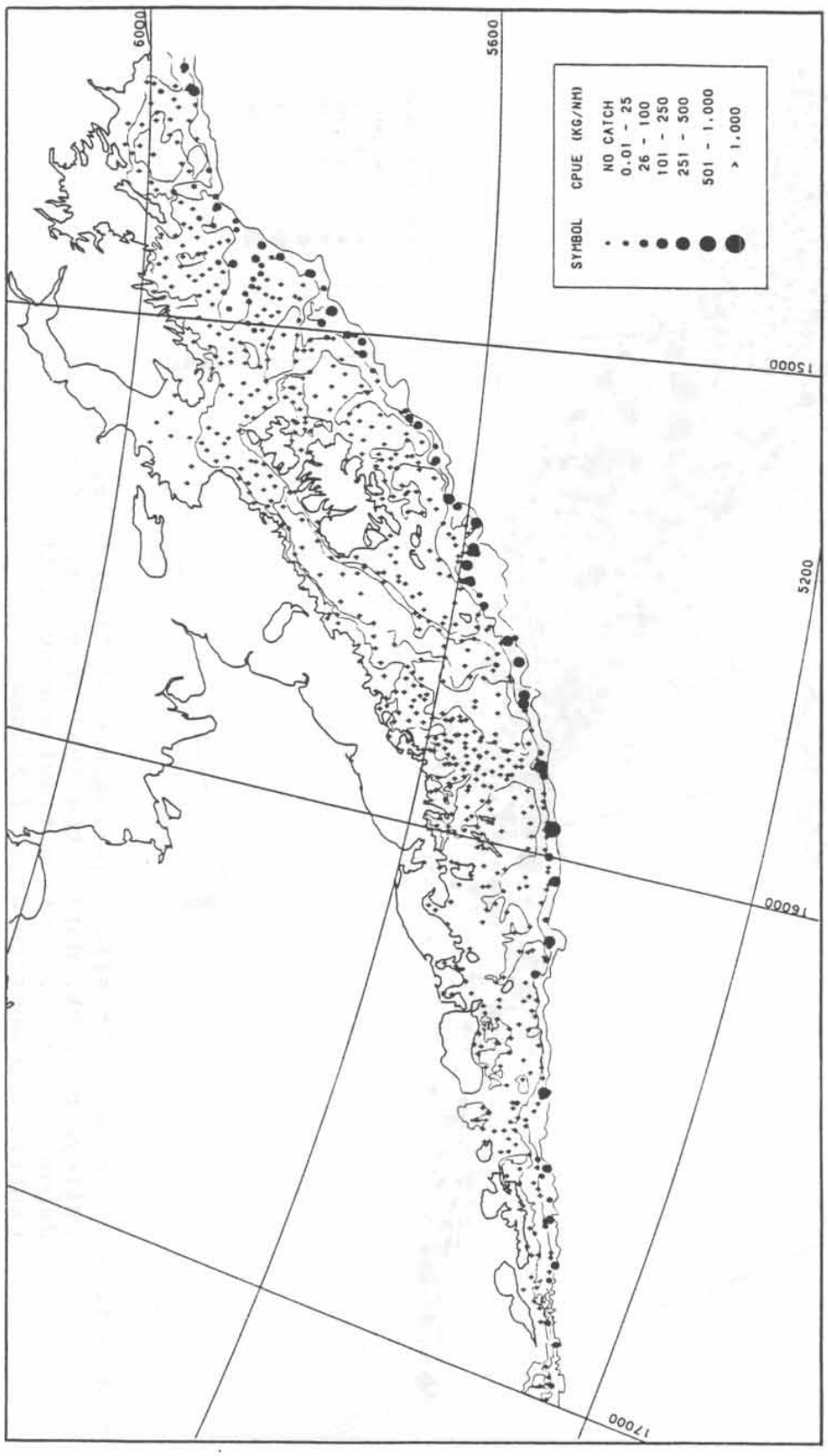


Figure 15.--Catch per unit effort (kilograms/nautical mile) of shortspine thornyhead, during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

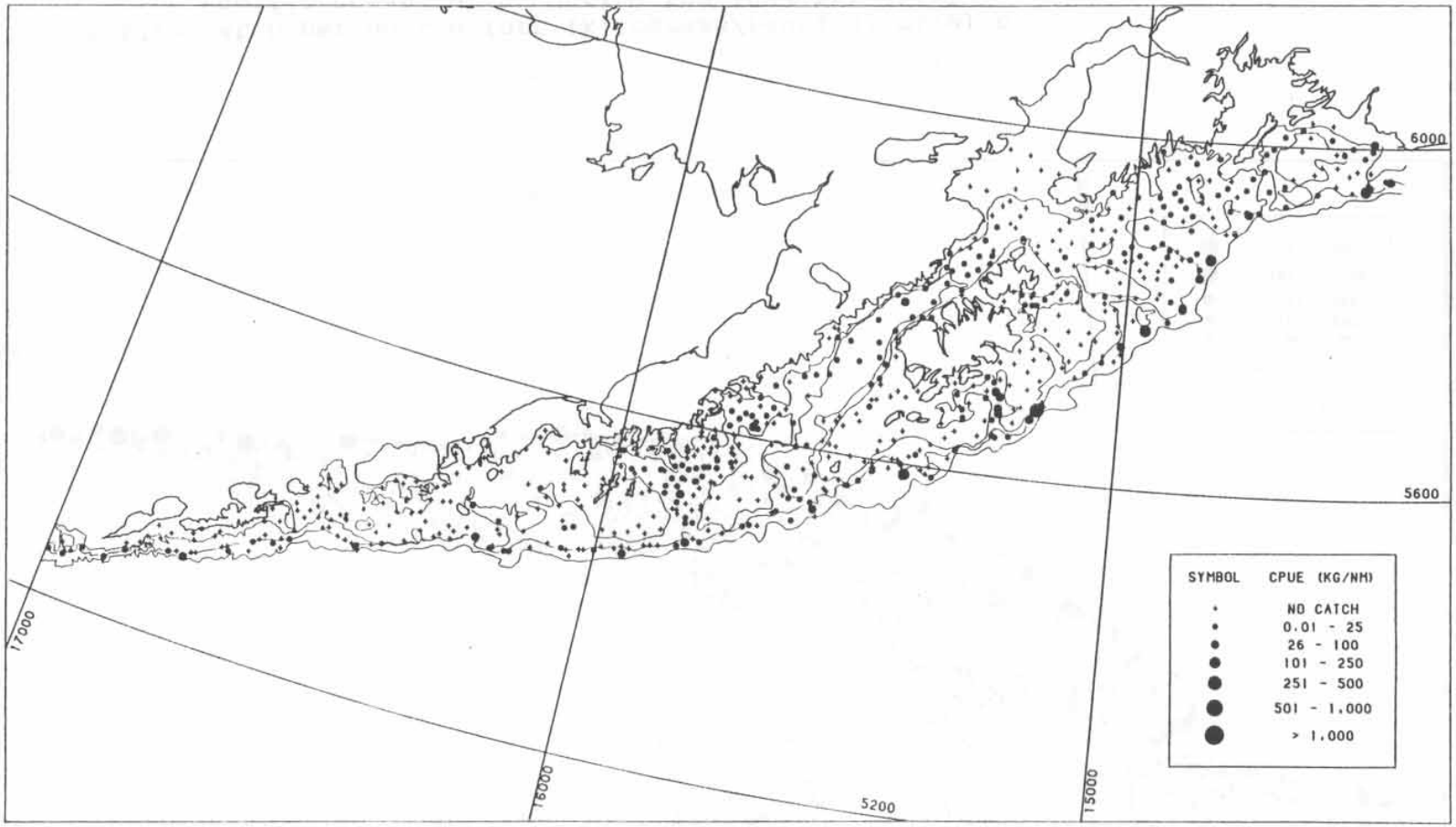


Figure 16.--Catch per unit effort (kilograms/nautical mile) of rougheye rockfish, during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

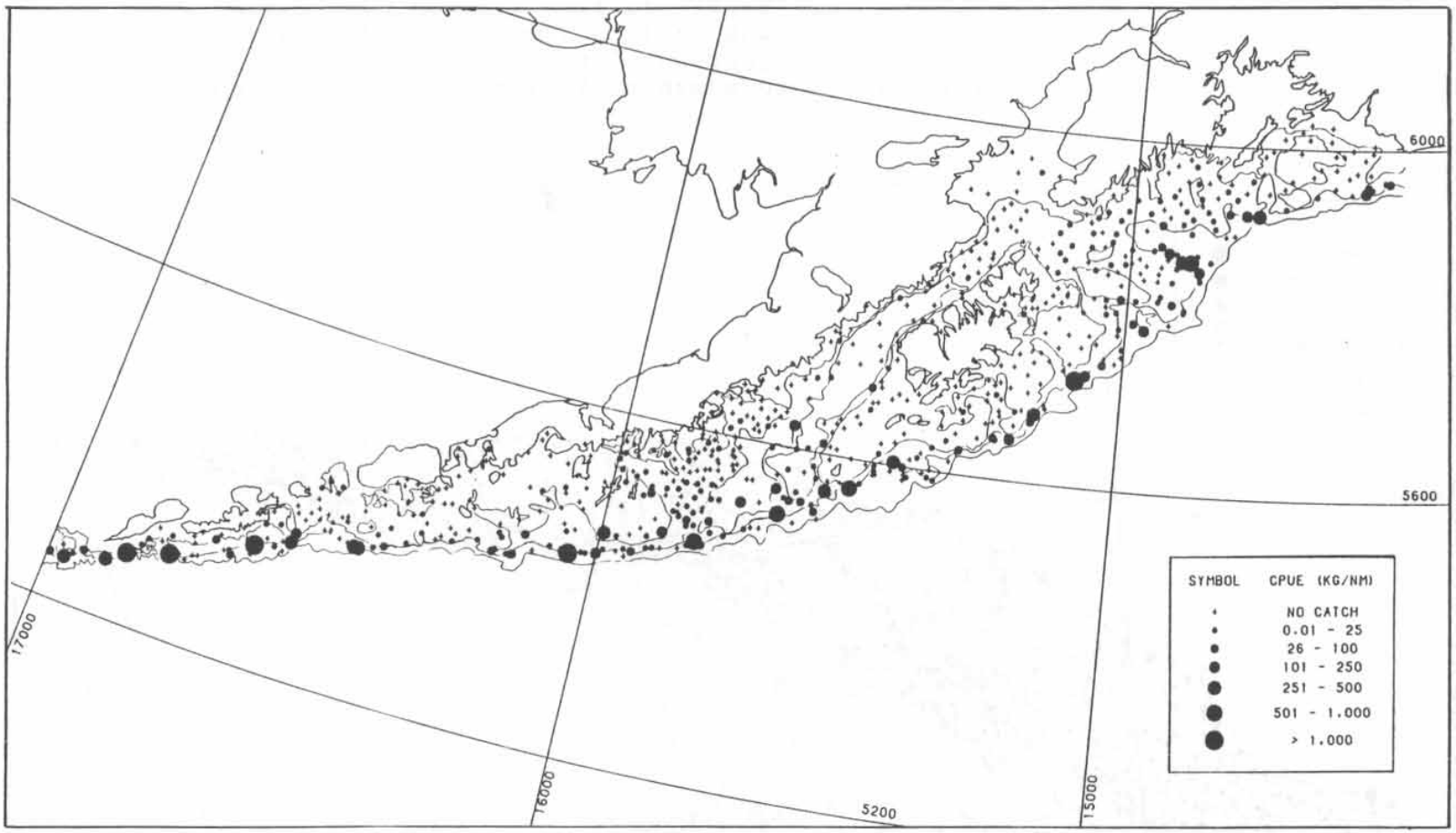


Figure 17.--Catch per unit effort (kilograms/nautical mile) of Pacific ocean perch, during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

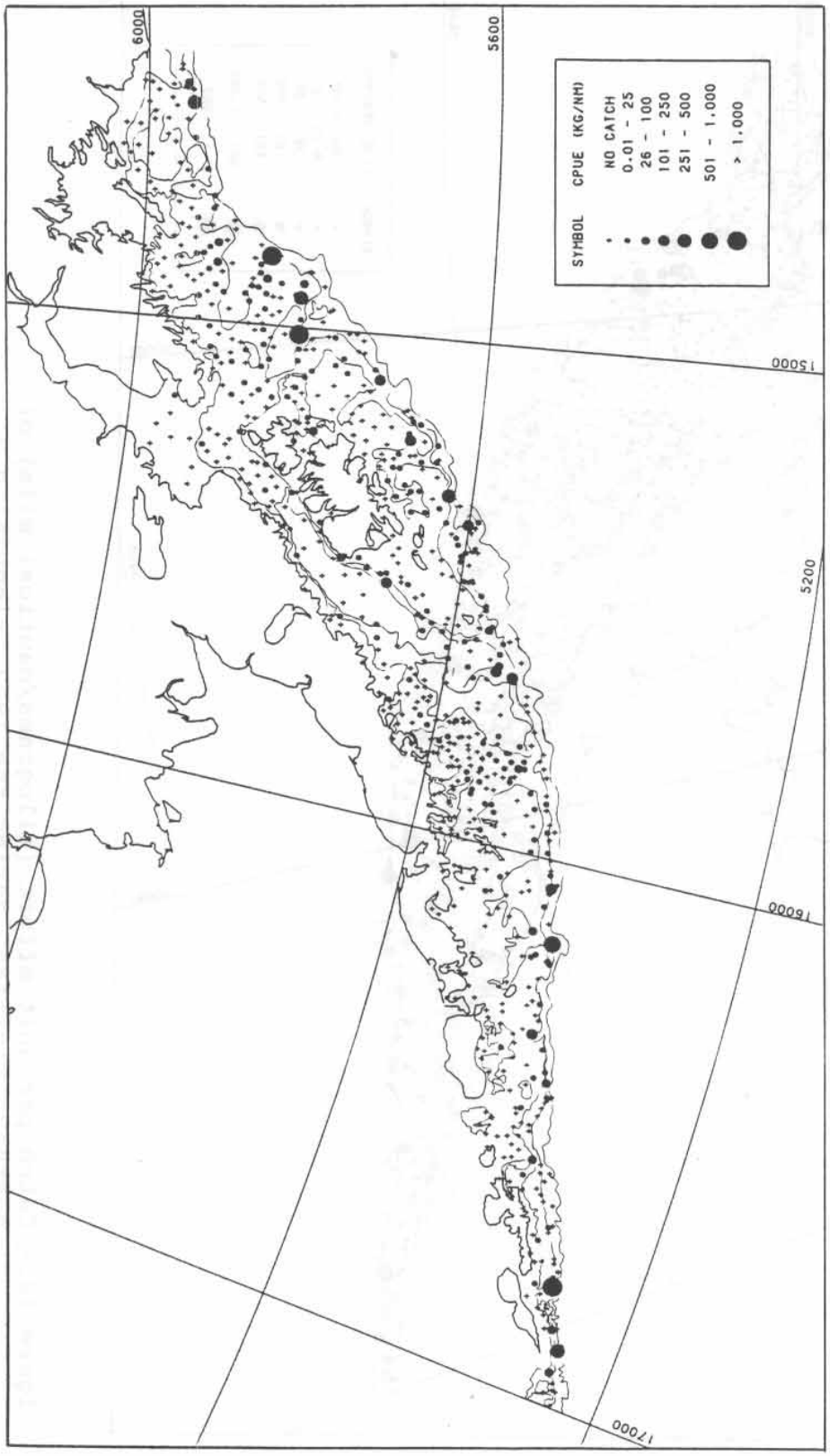


Figure 18.--Catch per unit effort (kilograms/nautical mile) of dusky rockfish, during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

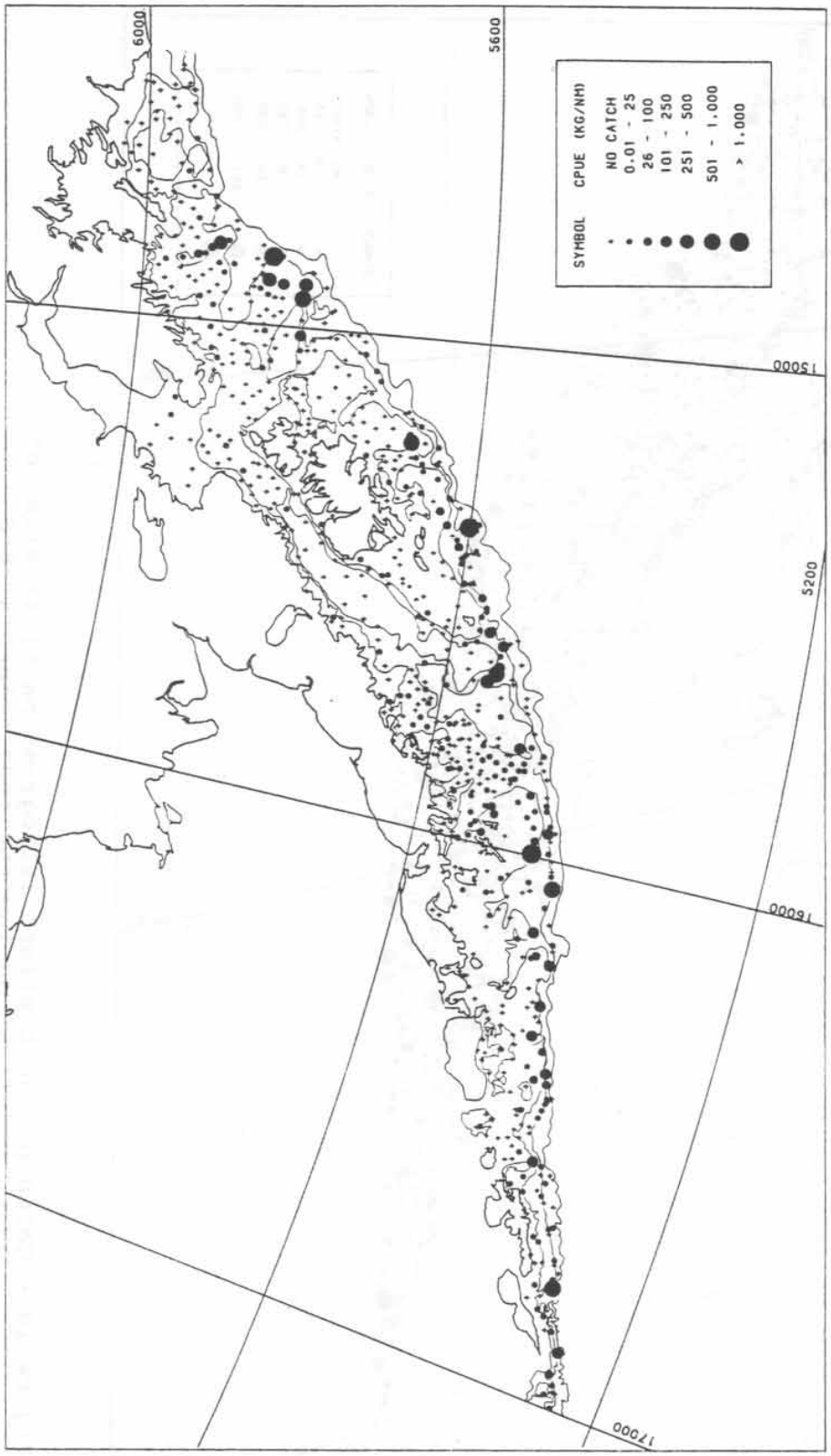


Figure 19.--Catch per unit effort (kilograms/nautical mile) of northern rockfish, during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

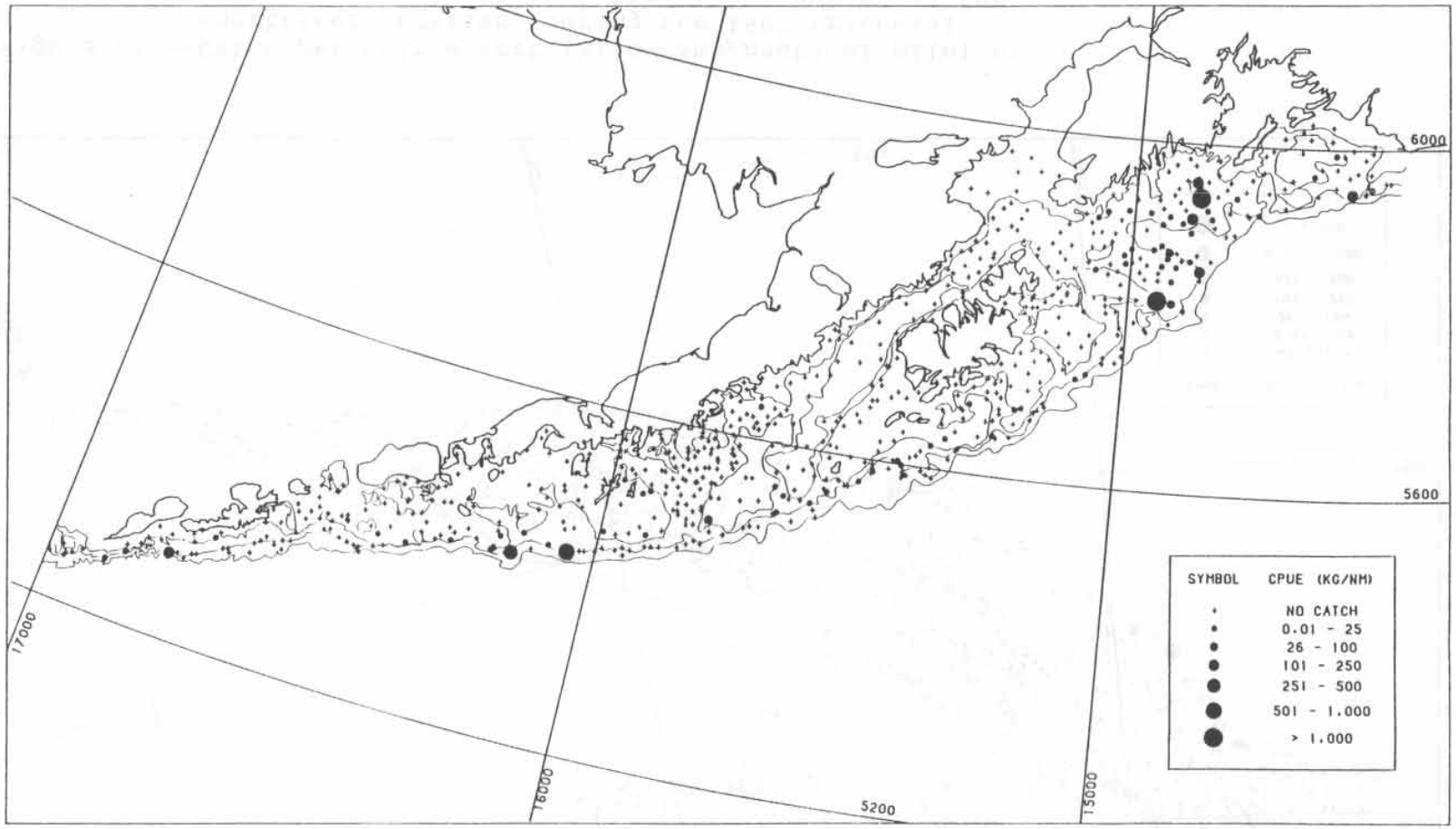


Figure 20.--Catch per unit effort (kilograms/nautical mile) of harlequin rockfish, during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

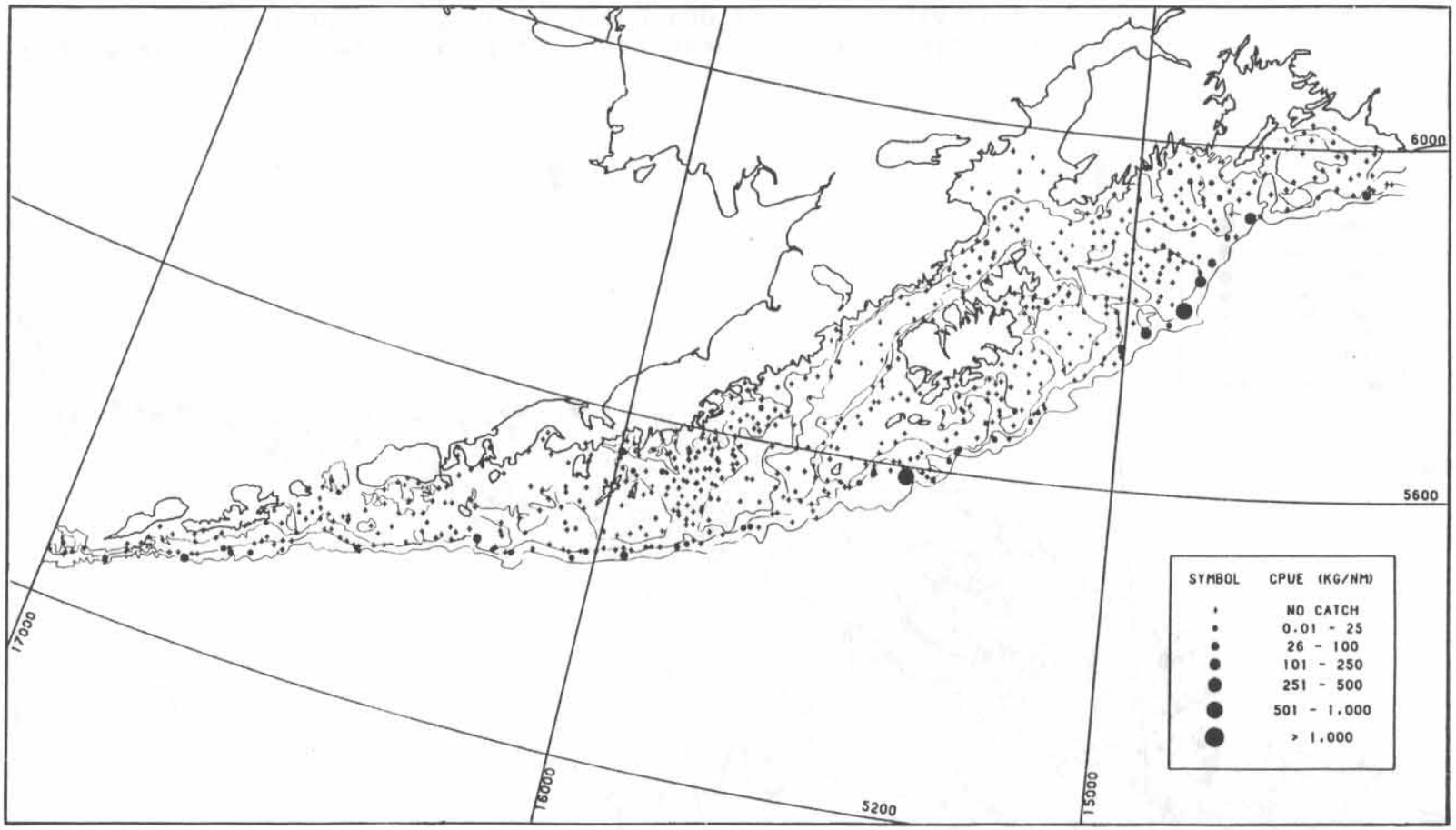


Figure 21.--Catch per unit effort (kilograms/nautical mile) of shortraker rockfish, during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

SECTION 2

Fishing log for the Taisei Maru No. 35

Station charts of haul numbers plotted adjacent to their respective geographical locations.

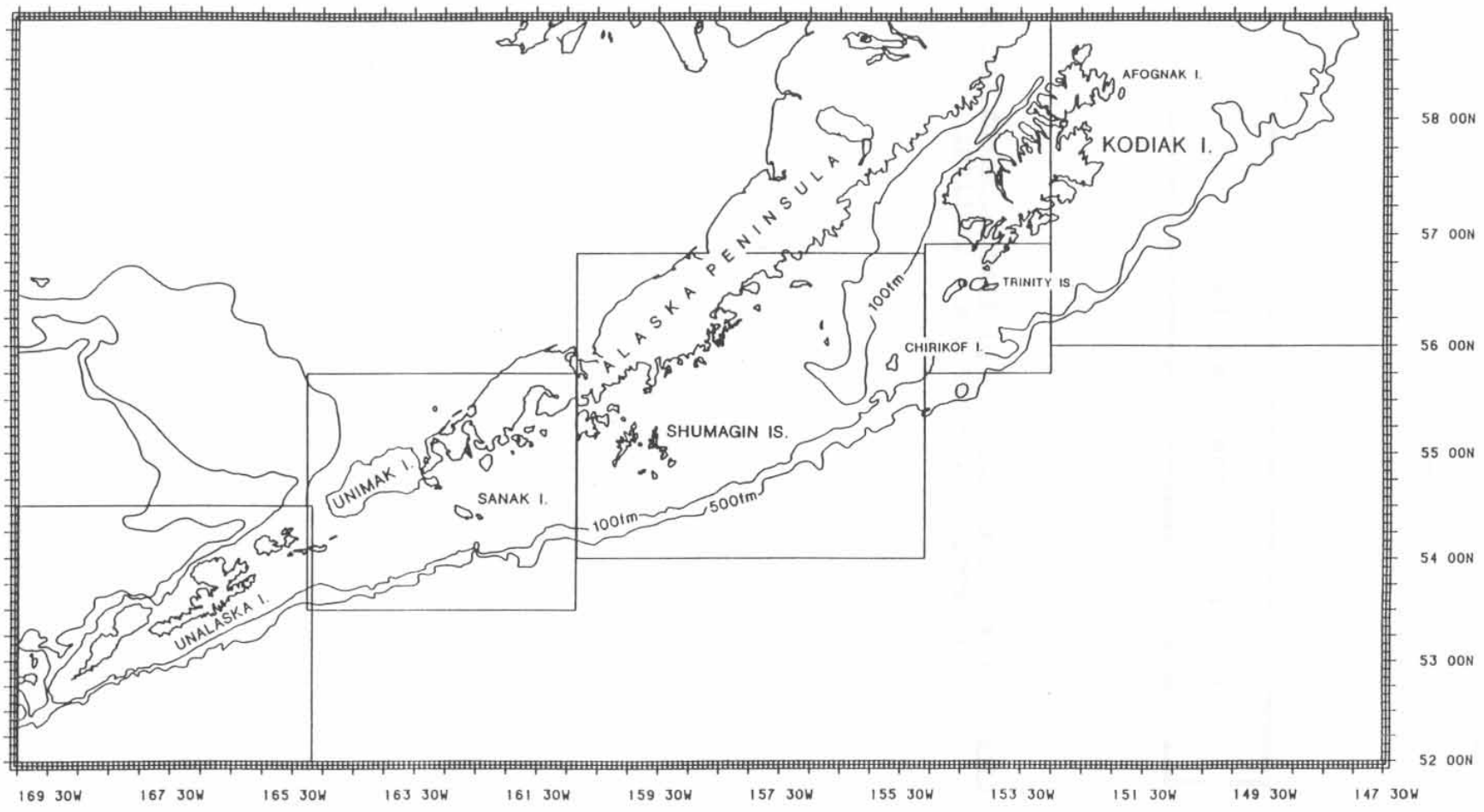


Figure 22.--Areas surveyed from May 22-July 8, 1987 by the Japanese chartered trawler Taisei Maru No. 35 (hauls 1-229) and cited in Figures 23-27.


Figure 23.--Stations surveyed by the Japanese chartered trawler Taisei Maru No. 35 in the Unalaska Island area, (hauls 1-17).

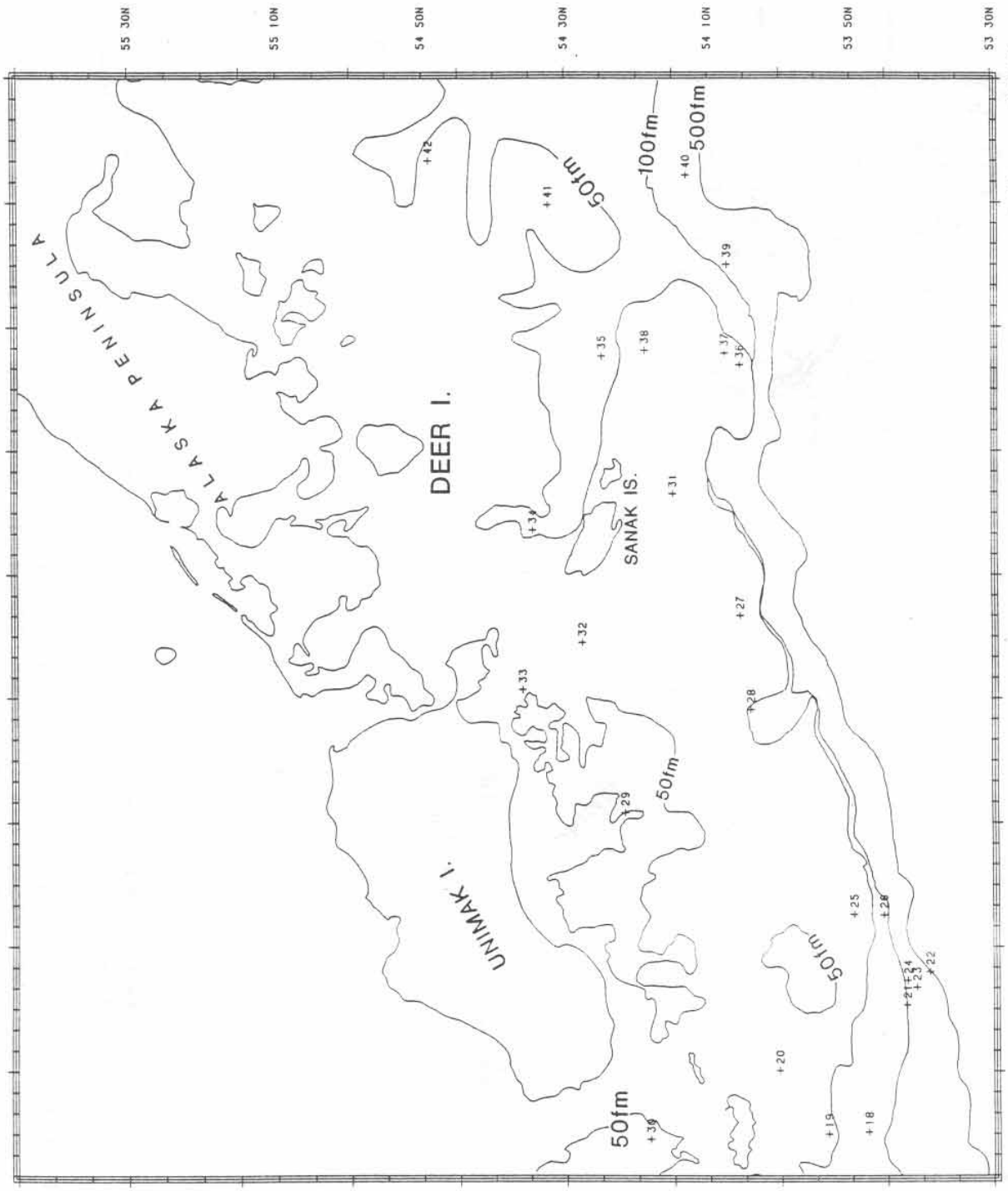


Figure 24.--Stations surveyed by the Japanese chartered trawler Taisei Maru No. 35 in the Sanak Island area (hauls 18-42).

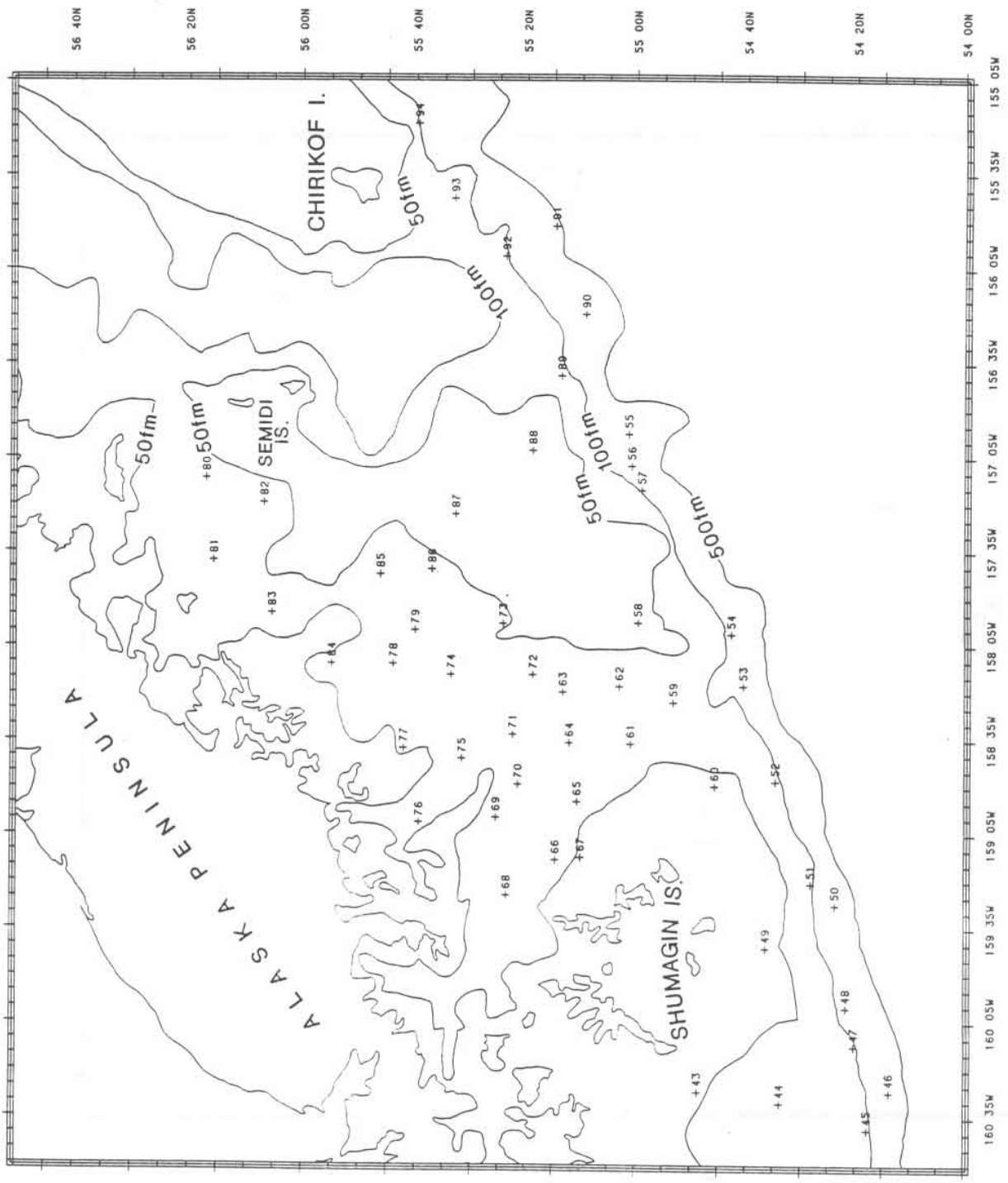


Figure 25.--Stations surveyed by the Japanese chartered trawler Taisei Maru No. 35 in the Shumagin Islands and Chirikof Island areas (hauls 43-94).

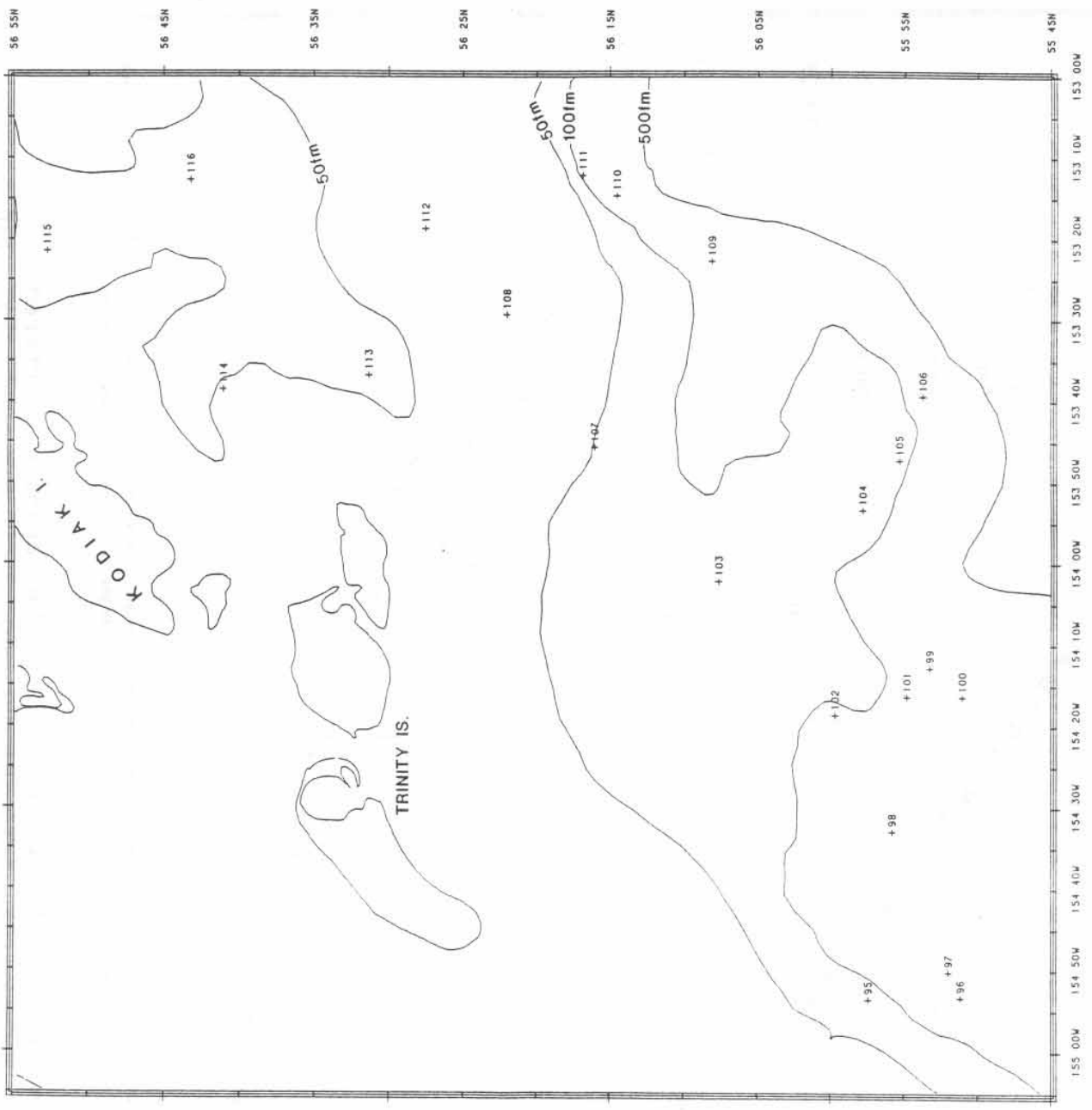


Figure 26.--Stations surveyed by the Japanese chartered trawler Taisei Maru No. 35 in the Trinity Islands area (hauls 95-116).

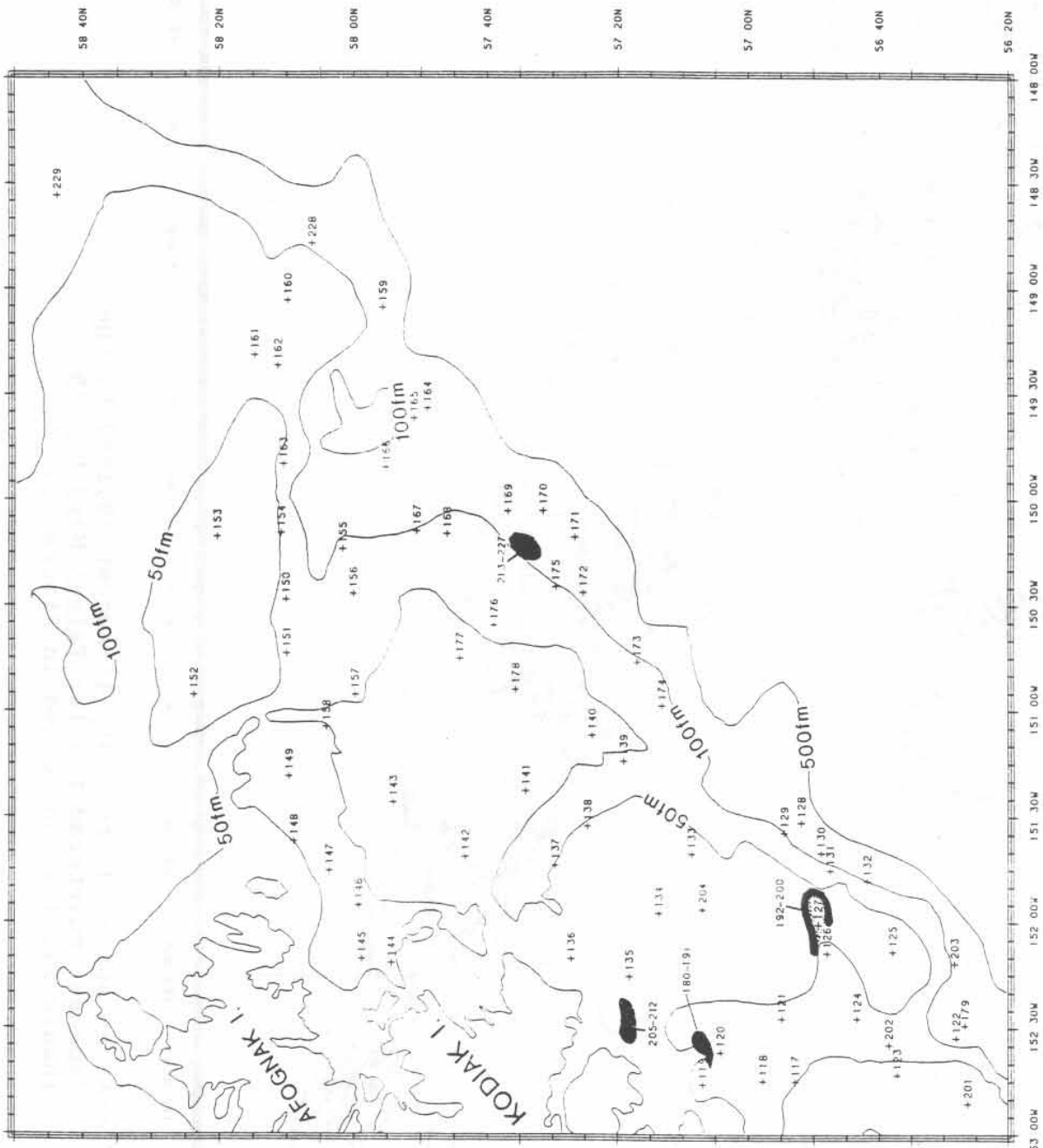


Figure 27.--Stations surveyed by the Japanese chartered trawler Taisei Maru No. 35 in the Kodiak Island area (hauls 117-229).

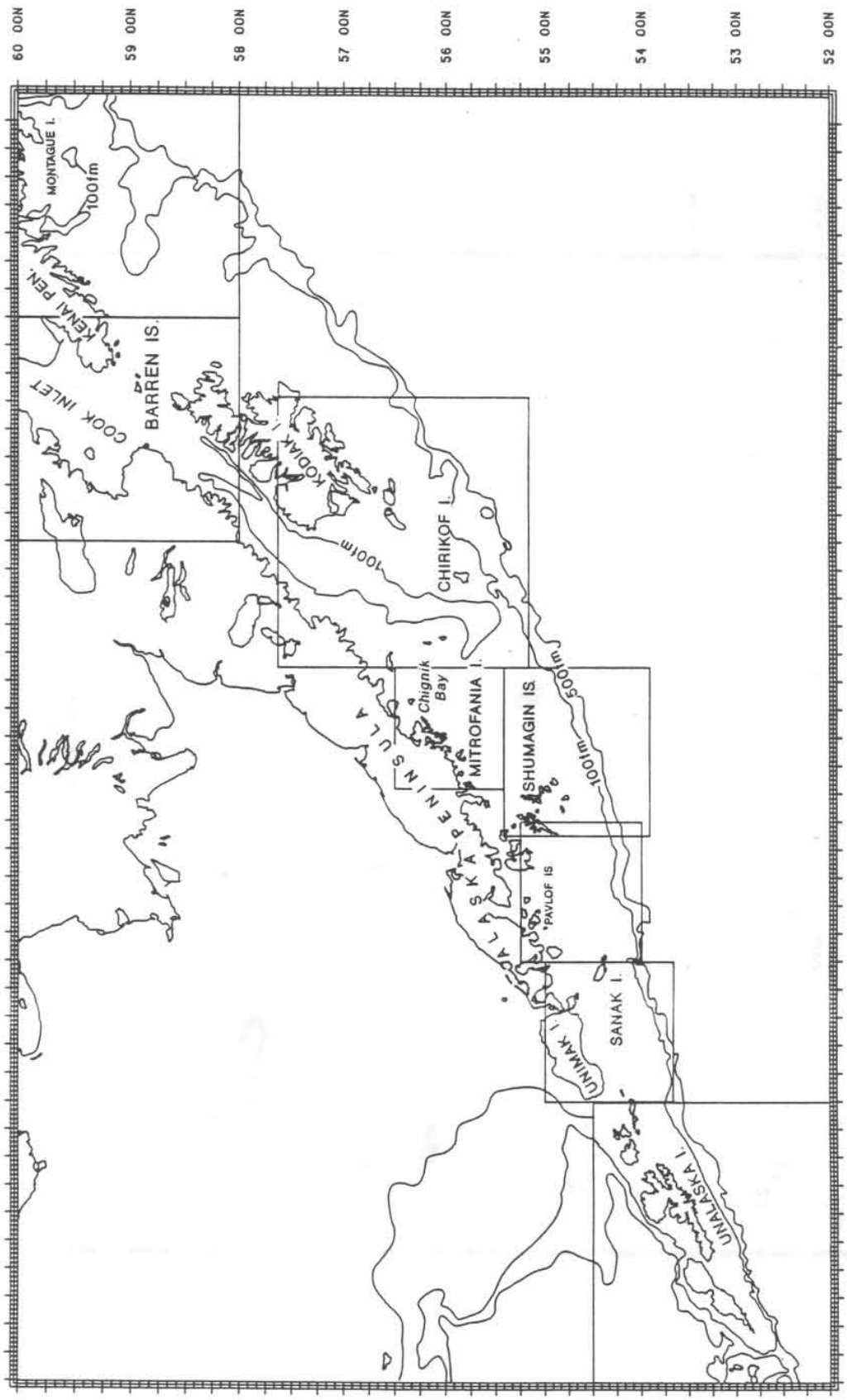


Figure 28.--Areas surveyed from July 15-August 29,1987 by the Japanese chartered trawler Taisei Maru No. 35 (hauls 230-454) and cited in Figures 29-36.

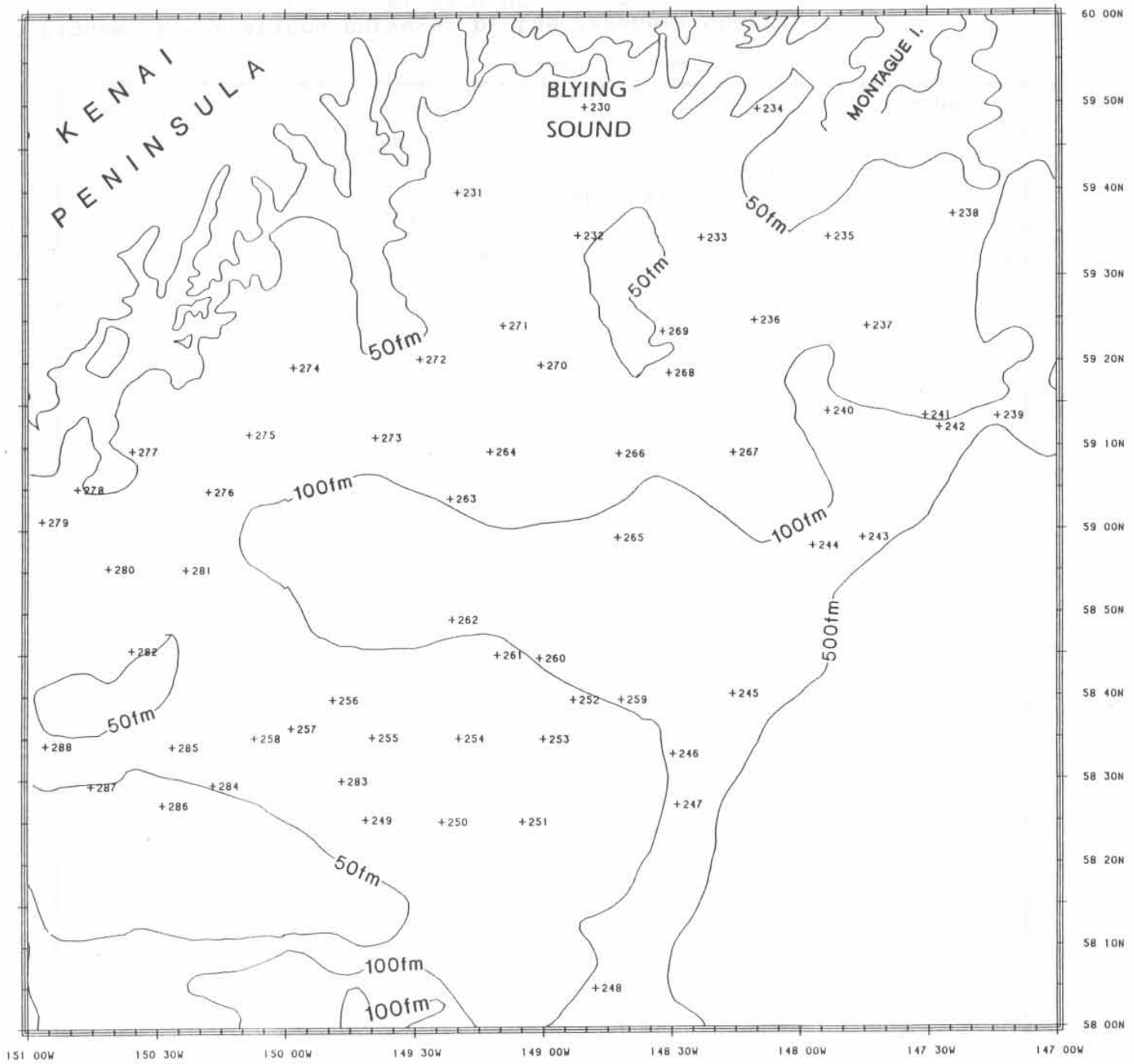


Figure 29.--Stations surveyed by the Japanese chartered trawler Taisei Maru No. 35 in the Kenai Peninsula and Montague Island areas (hauls 230-288).

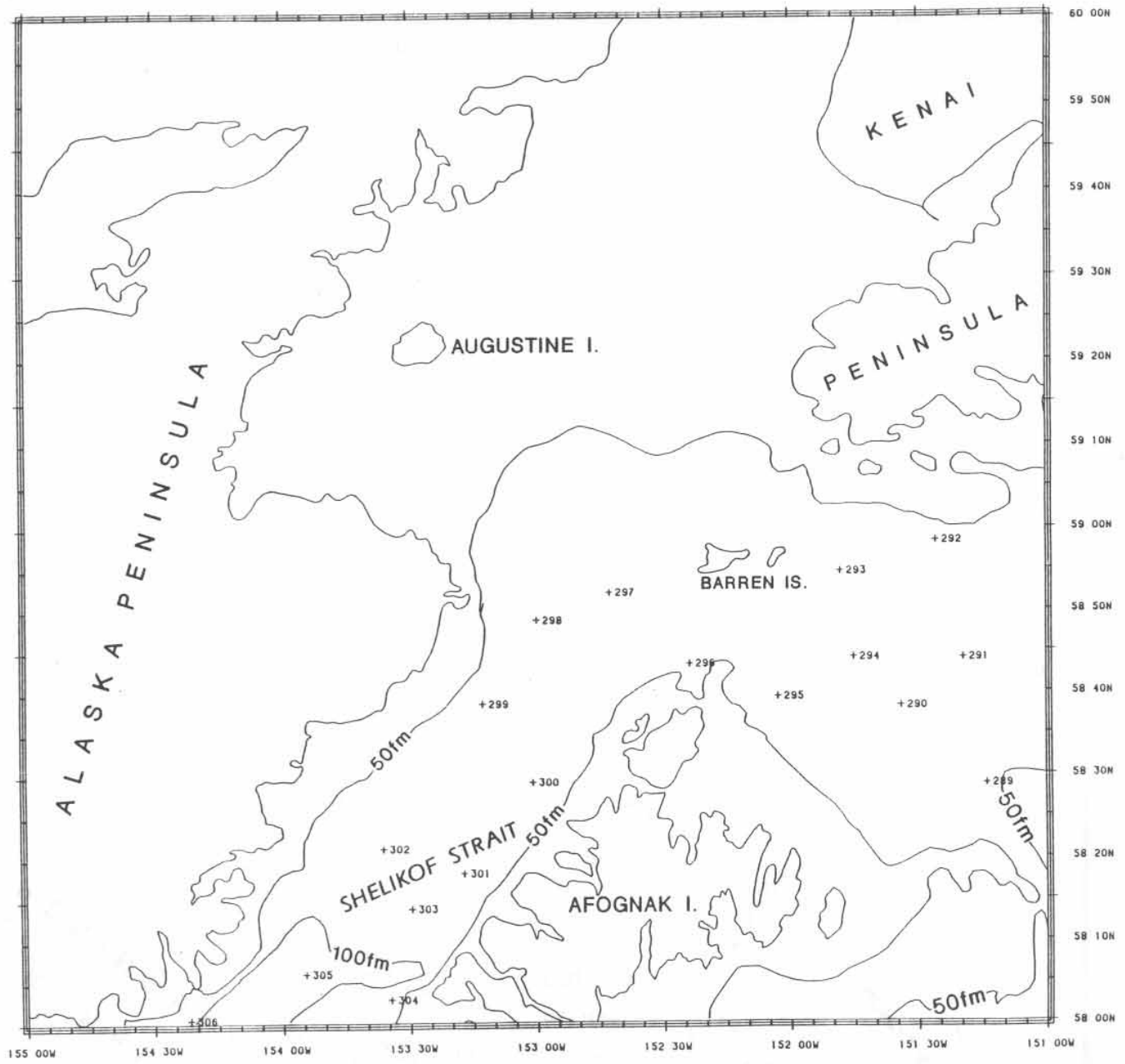


Figure 30.--Stations surveyed by the Japanese chartered trawler Taisei Maru No. 35 in the Barren Islands area (hauls 289-306).

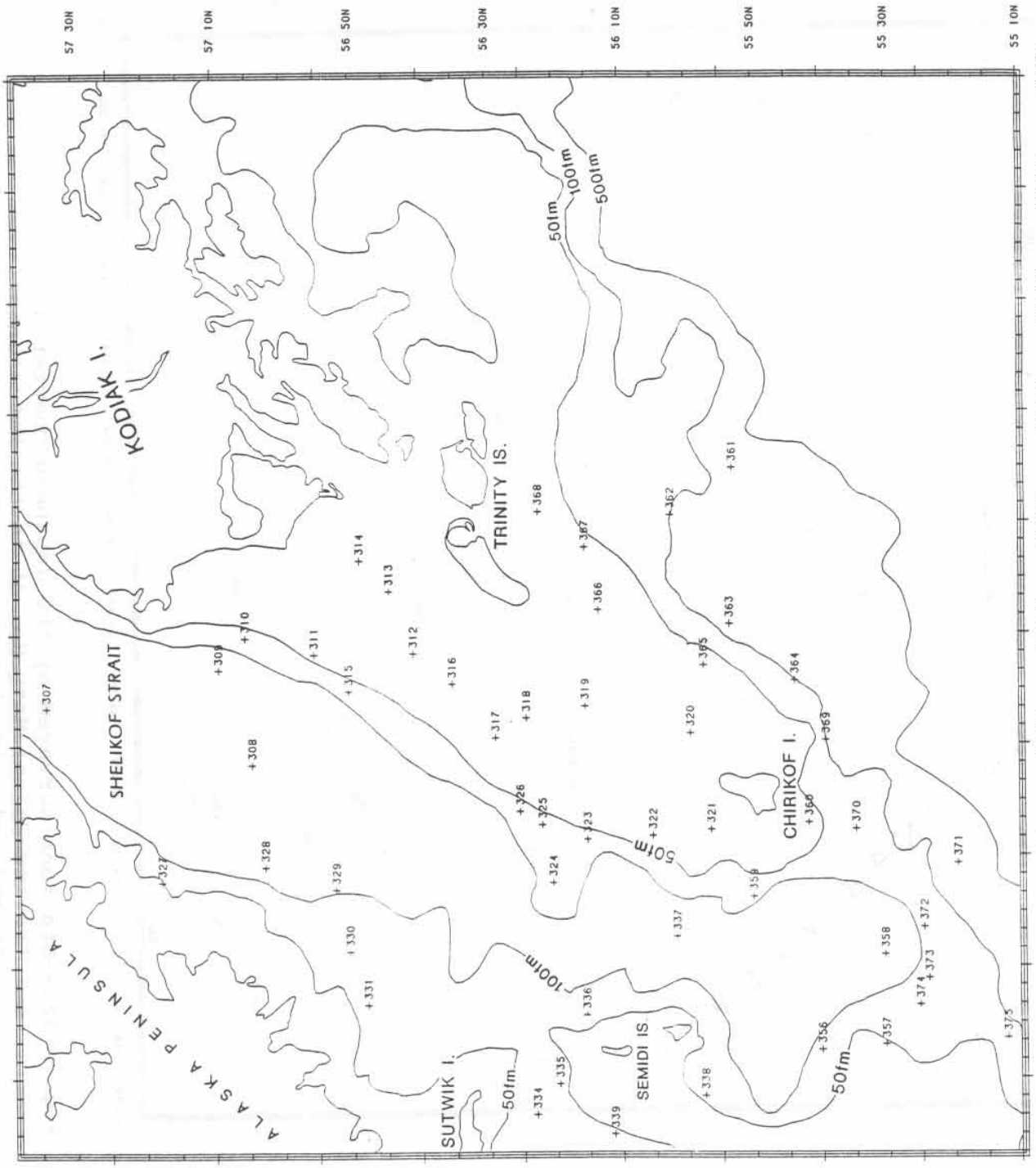


Figure 31.--Stations surveyed by the Japanese chartered trawler Taisei Maru No. 35 in the Chirikof Island and Kodiak Island areas (hauls 307-331, 334-339 and 356-375).

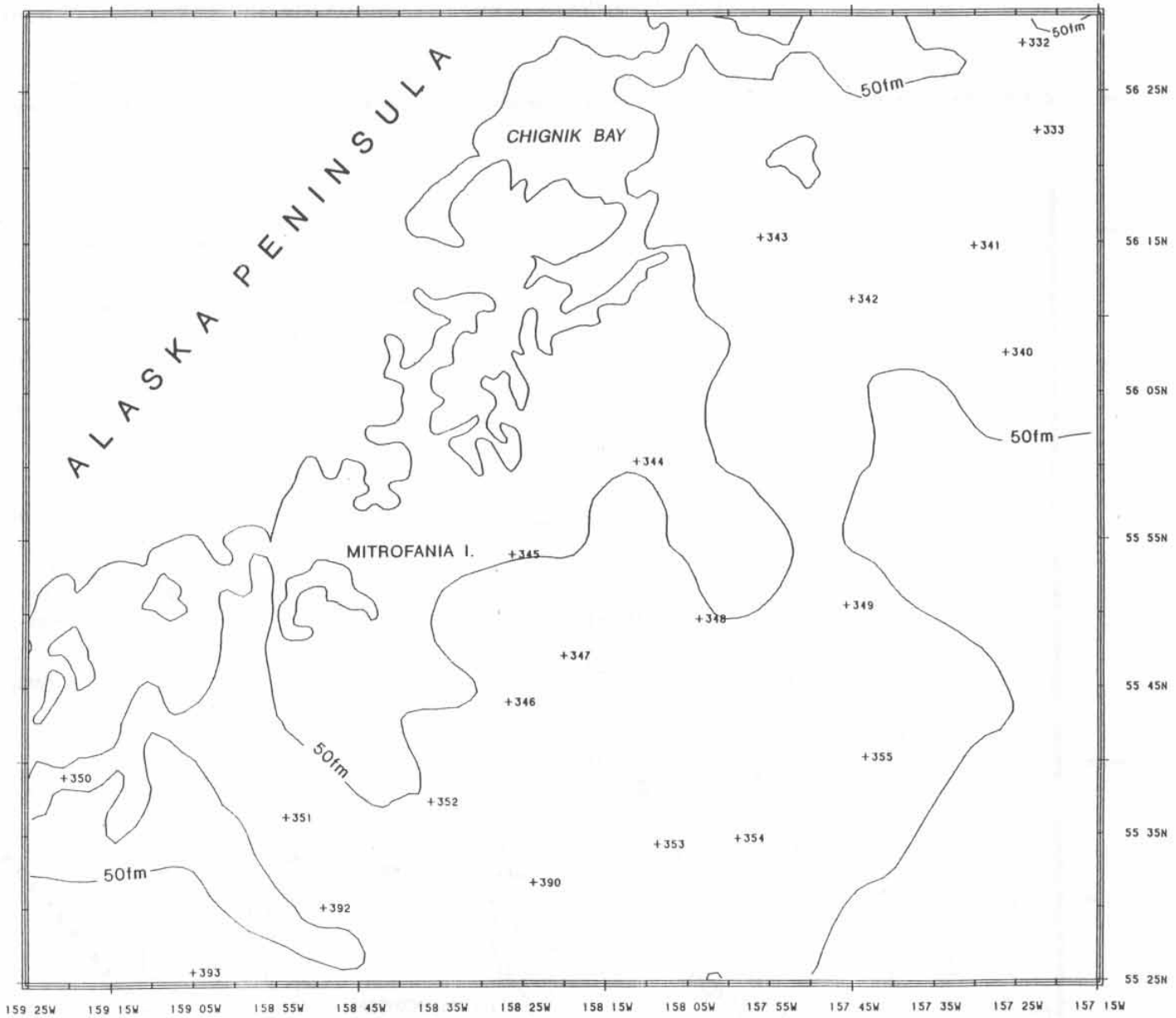


Figure 32.--Stations surveyed by the Japanese chartered trawler Taisei Maru No. 35 in the Mitrofania Island and Chignik Bay areas (hauls 332, 333, 340-355, 390, 392 and 393).

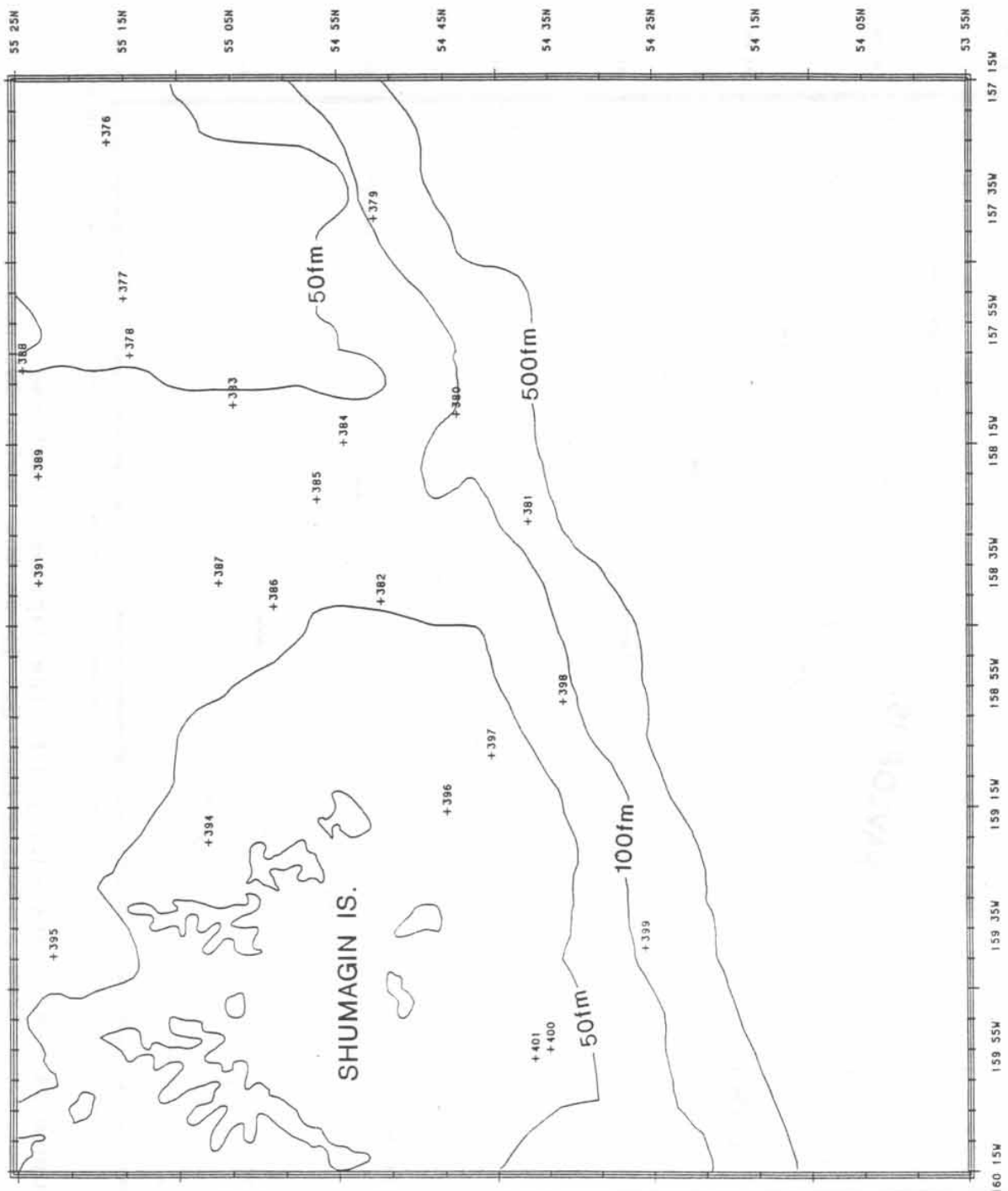


Figure 33.--Stations surveyed by the Japanese chartered trawler Taisei Maru No. 35 in the Shumagin Islands area (hauls 376-389, 391 and 394-401).

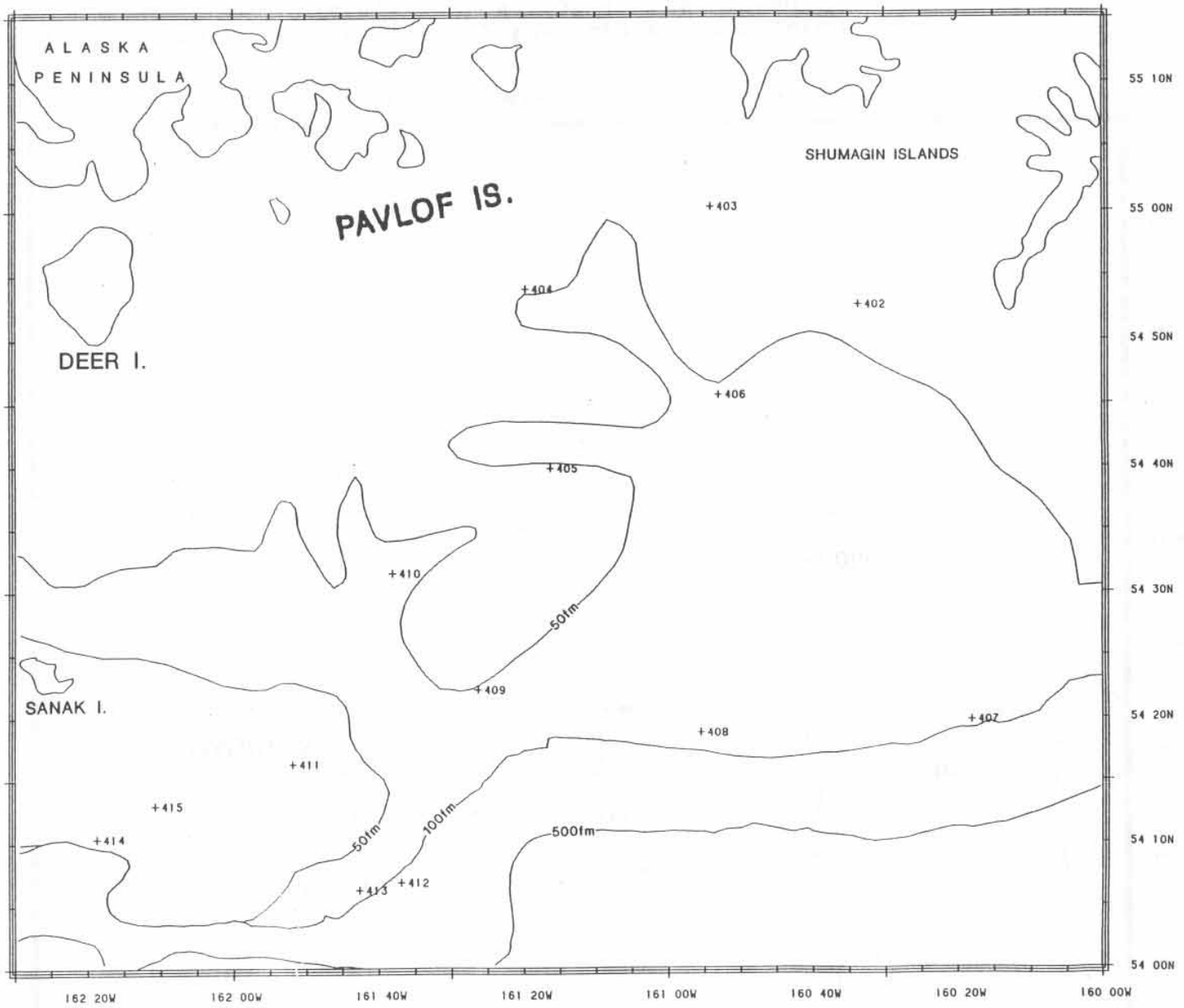


Figure 34.--Stations surveyed by the Japanese chartered trawler Taisei Maru No. 35 in the Pavlof Islands area (hauls 402-415).

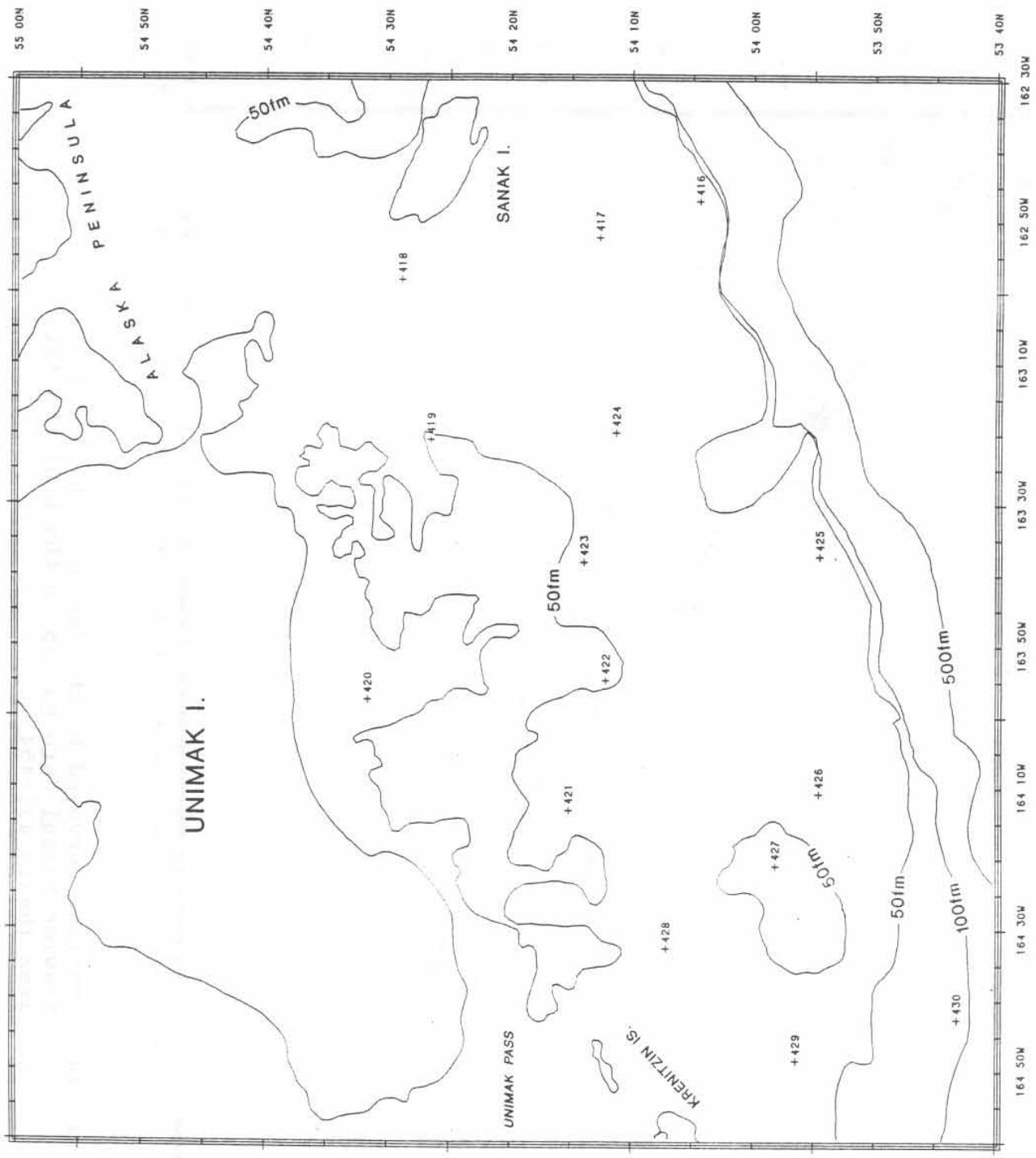


Figure 35.--Stations surveyed by the Japanese chartered trawler Taisei Maru No. 35 in the Unimak Island area (hauls 416-430).

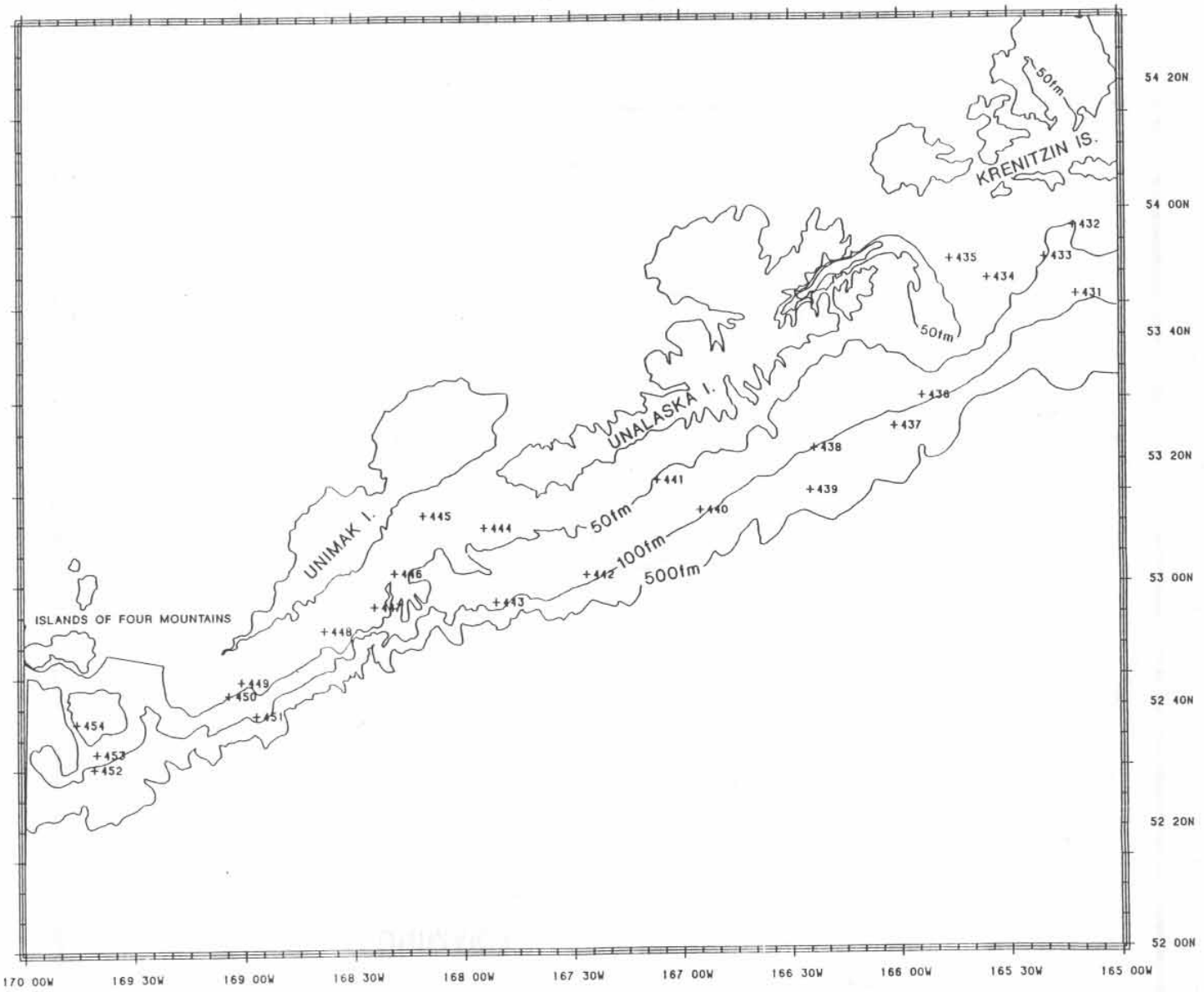


Figure 36.--Stations surveyed by the Japanese chartered trawler Taisei Maru No. 35 in the Unalaska Island area (hauls 431-454).

Section 2 (continued)

Fishing log for the Taisei Maru No. 35

Summary listings of species catches by haul

- Each haul entry includes the latitude, longitude, loran readings, bottom depth in fathoms, duration of tow, distance fished in nautical miles and the catch in kilograms for each major species.

- Species catches are unadjusted and expressed in kilograms.

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 5/22/87 | 5/22/87 | 5/22/87 | 5/22/87 | 5/22/87 | 5/23/87 | 5/23/87 | 5/23/87 | 5/23/87 | 5/23/87 | 5/23/87 |
| LATITUDE START | 52 30.3 | 52 34.3 | 52 39.1 | 52 37.2 | 52 47.7 | 53 3.6 | 52 59.2 | 52 57.1 | 53 2.6 | 53 10.8 | 53 13.3 |
| LONGITUDE START | 169 57.3 | 169 32.8 | 169 22.2 | 168 55.5 | 168 36.5 | 168 3.3 | 167 41.4 | 167 32.7 | 167 20.5 | 166 46.1 | 166 49.4 |
| LATITUDE END | 52 28.8 | 52 35.2 | 52 39.4 | 52 36.9 | 52 49.1 | 53 2.0 | 52 59.6 | 52 56.9 | 53 3.7 | 53 9.9 | 53 14.5 |
| LONGITUDE END | 169 55.0 | 169 30.9 | 169 18.8 | 168 57.7 | 168 35.7 | 168 0.5 | 167 44.8 | 167 36.0 | 167 17.4 | 166 49.5 | 166 46.8 |
| LORAN START | 16948.70 | 17056.20 | 17117.30 | 17193.50 | 17306.90 | 17483.90 | 17518.40 | 17529.20 | 17587.00 | 17704.90 | 17710.30 |
| LORAN START | 49028.60 | 48957.10 | 48933.00 | 48830.50 | 48786.50 | 48694.20 | 48590.10 | 48547.20 | 48506.60 | 48368.20 | 48389.50 |
| LORAN END | 16949.20 | 17067.10 | 17130.50 | 17185.00 | 17316.50 | 17483.30 | 17511.50 | 17519.90 | 17599.70 | 17693.40 | 17721.60 |
| LORAN END | 49016.60 | 48952.70 | 48921.70 | 48837.80 | 48786.70 | 48678.60 | 48605.70 | 48560.80 | 48495.30 | 48382.20 | 48380.00 |
| GEAR DEPTH | 120 | 79 | 68 | 301 | 93 | 63 | 63 | 219 | 100 | 153 | 98 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.32 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 2.09 | 1.43 | 2.12 | 1.37 | 1.44 | 2.26 | 2.10 | 1.99 | 2.15 | 2.22 | 1.95 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 72.9 | 14.2 | 2.4 | 0.0 | 323.7 | 0.9 | 1882.4 | 1.0 | 457.0 | 17.8 | 17.4 |
| PACIFIC COD | 90.5 | 171.4 | 316.4 | 0.0 | 232.5 | 43.2 | 131.5 | 0.0 | 150.3 | 10.6 | 81.0 |
| SABLEFISH | 1.1 | 0.0 | 0.0 | 576.0 | 0.0 | 0.0 | 0.0 | 492.4 | 0.0 | 27.5 | 0.0 |
| ARROWTOOTH FL. | 72.8 | 0.0 | 37.5 | 0.0 | 306.3 | 20.0 | 35.0 | 53.7 | 54.5 | 68.9 | 106.0 |
| HALIBUT | 209.1 | 88.6 | 745.4 | 0.0 | 140.8 | 121.2 | 3.6 | 17.2 | 25.7 | 82.4 | 228.3 |
| FLATHEAD SOLE | 1.0 | 0.7 | 0.0 | 0.0 | 6.9 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 8.9 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 7.2 | 1.1 | 0.0 | 0.0 | 5.1 | 0.0 | 0.0 | 0.0 |
| REX SOLE | 7.7 | 0.0 | 0.0 | 0.0 | 7.0 | 0.4 | 0.6 | 12.5 | 1.3 | 71.5 | 4.7 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.3 | 2.5 | 1.0 | 0.0 | 24.3 | 56.5 | 0.0 | 0.0 | 33.2 | 0.0 | 24.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 124.0 | 1.2 | 83.5 | 0.0 | 2636.5 | 0.0 | 0.5 | 0.0 | 0.0 | 77.0 | 17.4 |
| ROUGHEYE RKFH | 11.0 | 0.0 | 0.5 | 0.0 | 6.3 | 0.0 | 0.0 | 82.1 | 0.0 | 7.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 18.7 | 5.4 | 0.0 | 0.0 | 105.2 | 0.0 | 111.0 | 3.6 |
| NORTHERN RKFH | 2.1 | 14.7 | 174.1 | 0.0 | 49.1 | 0.0 | 9.4 | 0.0 | 0.5 | 0.5 | 1.9 |
| DUSKY RCKFISH | 0.0 | 0.0 | 87.0 | 0.0 | 80.5 | 0.0 | 17.5 | 0.0 | 0.0 | 0.0 | 2.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 8.8 | 0.0 | 0.0 | 0.0 | 221.3 | 0.0 | 21.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ATKA MACKEREL | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 2322.8 | 0.0 | 0.0 | 0.0 | 1464.6 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 23.0 | 12.9 | 97.3 | 0.0 | 16.7 | 0.0 | 5.0 | 6.4 | 0.0 | 0.0 | 1.8 |
| SKATES | 0.0 | 14.5 | 0.0 | 3.9 | 0.0 | 20.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 3.0 | 2.1 | 0.0 | 0.0 | 0.0 | 2.3 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 5/24/87 | 5/24/87 | 5/24/87 | 5/24/87 | 5/24/87 | 5/25/87 | 5/25/87 | 5/25/87 | 5/25/87 | 5/26/87 | 5/26/87 |
| LATITUDE START | 53 25.2 | 53 24.2 | 53 31.8 | 53 38.4 | 53 41.2 | 53 55.0 | 53 47.7 | 53 53.4 | 54 0.2 | 53 42.2 | 53 39.0 |
| LONGITUDE START | 166 16.5 | 165 50.8 | 165 44.0 | 165 41.5 | 166 1.4 | 165 31.8 | 165 4.5 | 165 5.0 | 164 49.8 | 164 34.0 | 164 26.0 |
| LATITUDE END | 53 26.4 | 53 25.3 | 53 33.2 | 53 38.5 | 53 41.0 | 53 54.7 | 53 47.2 | 53 53.1 | 54 0.3 | 53 42.8 | 53 39.6 |
| LONGITUDE END | 166 13.5 | 165 48.2 | 165 41.7 | 165 44.0 | 165 58.1 | 165 28.1 | 165 1.2 | 165 1.8 | 164 46.6 | 164 30.6 | 164 30.0 |
| LORAN START | 17833.50 | 17874.40 | 17921.00 | 17955.20 | 17935.80 | 18045.00 | 18050.70 | 18074.30 | 18122.40 | 18067.00 | 18063.70 |
| LORAN START | 48256.40 | 48125.40 | 48104.80 | 48103.70 | 48212.10 | 48082.10 | 47922.60 | 47934.00 | 47860.50 | 47748.90 | 47700.90 |
| LORAN END | 17844.60 | 17884.00 | 17931.10 | 17951.70 | 17940.40 | 18048.70 | 18052.80 | 18077.40 | 18126.30 | 18073.70 | 18061.30 |
| LORAN END | 48243.60 | 48114.60 | 48095.80 | 48117.30 | 48194.50 | 48061.50 | 47904.20 | 47916.00 | 47842.60 | 47730.70 | 47723.30 |
| GEAR DEPTH | 86 | 301 | 85 | 46 | 44 | 45 | 81 | 52 | 52 | 104 | 410 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.40 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 2.16 | 1.90 | 1.95 | 1.54 | 2.00 | 2.22 | 2.00 | 1.92 | 1.90 | 2.13 | 2.44 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 1 /717 | 1 /717 |
| POLLOCK | 161.0 | 0.0 | 37.0 | 3.9 | 0.0 | 18.5 | 84.0 | 513.5 | 156.5 | 0.9 | 0.0 |
| PACIFIC COD | 120.4 | 0.0 | 149.9 | 265.0 | 83.1 | 537.9 | 260.0 | 131.8 | 120.2 | 90.5 | 0.0 |
| SABLEFISH | 0.0 | 280.3 | 66.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.8 | 114.5 |
| ARROWTOOTH FL. | 377.2 | 2.8 | 3684.5 | 43.0 | 0.0 | 122.0 | 138.1 | 93.9 | 0.0 | 288.3 | 0.0 |
| HALIBUT | 33.8 | 0.0 | 1276.9 | 543.8 | 30.9 | 255.9 | 30.6 | 10.7 | 100.4 | 69.7 | 0.0 |
| FLATHEAD SOLE | 39.8 | 0.0 | 6.6 | 0.5 | 0.0 | 0.0 | 0.0 | 2.9 | 1.3 | 11.8 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 8.1 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 |
| REX SOLE | 14.5 | 0.8 | 30.6 | 0.0 | 0.0 | 0.0 | 214.0 | 5.6 | 0.3 | 781.7 | 0.0 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 33.7 | 0.0 | 30.6 | 16.1 | 27.0 | 208.5 | 0.0 | 221.4 | 85.0 | 9.4 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.3 | 0.0 | 639.1 | 152.0 | 9.1 | 0.0 | 0.0 | 0.0 | 0.0 | 754.2 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 96.7 | 32.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 42.0 |
| NORTHERN RKFH | 0.7 | 0.0 | 3.7 | 296.9 | 31.5 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 54.5 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ATKA MACKEREL | 3.1 | 0.0 | 3.5 | 5.7 | 4.4 | 0.0 | 1.2 | 1.3 | 2.6 | 3.5 | 0.0 |
| GRENADIERS | 0.0 | 350.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1536.4 |
| SCULPINS | 8.8 | 0.0 | 37.5 | 105.1 | 30.5 | 4.3 | 0.0 | 5.9 | 13.3 | 11.2 | 0.0 |
| SKATES | 0.0 | 0.0 | 4.8 | 0.0 | 0.0 | 32.1 | 0.0 | 60.0 | 7.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 2.3 | 0.0 | 18.0 | 0.0 | 1.3 | 4.0 | 9.4 | 6.8 | 4.7 | 1.5 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 55.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 5/26/87 | 5/26/87 | 5/26/87 | 5/26/87 | 5/27/87 | 5/27/87 | 5/27/87 | 5/28/87 | 5/28/87 | 5/28/87 | 5/28/87 |
| LATITUDE START | 53 40.9 | 53 42.1 | 53 49.6 | 53 45.4 | 54 5.7 | 54 4.2 | 54 21.8 | 54 18.4 | 54 15.0 | 54 27.6 | 54 36.0 |
| LONGITUDE START | 164 29.8 | 164 28.1 | 164 12.2 | 164 12.3 | 163 0.0 | 163 22.7 | 163 47.4 | 165 6.3 | 162 30.4 | 163 6.5 | 163 17.8 |
| LATITUDE END | 53 41.2 | 53 42.6 | 53 49.8 | 53 45.2 | 54 7.6 | 54 5.6 | 54 23.7 | 54 18.8 | 54 14.7 | 54 29.7 | 54 35.0 |
| LONGITUDE END | 164 26.8 | 164 24.9 | 164 11.5 | 164 9.1 | 163 1.4 | 163 25.5 | 163 49.6 | 165 3.3 | 162 34.5 | 163 7.7 | 163 14.9 |
| LORAN START | 18066.60 | 18073.90 | 18123.00 | 18106.20 | 18252.60 | 18228.10 | 18270.30 | 18179.90 | 18306.50 | 18322.60 | 18343.00 |
| LORAN START | 47724.00 | 47716.40 | 47637.20 | 47633.20 | 47237.00 | 47328.50 | 47526.80 | 47979.50 | 47066.90 | 47287.40 | 47360.40 |
| LORAN END | 18071.70 | 18079.90 | 18124.20 | 18109.10 | 18257.90 | 18230.40 | 18275.30 | 18184.90 | 18302.60 | 18328.70 | 18341.60 |
| LORAN END | 47708.10 | 47699.20 | 47633.20 | 47614.80 | 47246.20 | 47385.80 | 47541.10 | 47962.80 | 47091.10 | 47295.70 | 47342.10 |
| GEAR DEPTH | 246 | 139 | 44 | 68 | 41 | 54 | 52 | 66 | 36 | 33 | 44 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.17 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 1.80 | 1.99 | 0.45 | 1.95 | 2.04 | 2.15 | 2.25 | 1.82 | 2.42 | 2.18 | 1.98 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 7 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 0.0 | 378.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 9.2 | 92.1 | 362.0 | 1227.8 |
| PACIFIC COD | 0.0 | 0.0 | 0.0 | 164.5 | 59.3 | 158.0 | 193.2 | 512.5 | 307.5 | 77.1 | 140.0 |
| SABLEFISH | 354.7 | 6.7 | 0.0 | 574.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 33.5 | 74.9 | 0.0 | 1040.1 | 0.0 | 7.2 | 78.2 | 426.9 | 18.6 | 30.5 | 4.7 |
| HALIBUT | 61.2 | 42.9 | 0.0 | 141.8 | 28.4 | 80.1 | 82.6 | 660.5 | 660.5 | 55.7 | 4.1 |
| FLATHEAD SOLE | 0.0 | 0.2 | 0.0 | 0.7 | 1.7 | 81.0 | 135.7 | 64.0 | 0.9 | 25.0 | 29.5 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REX SOLE | 0.0 | 84.5 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 2.9 | 0.0 | 0.5 | 0.0 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 0.0 | 11.4 | 130.0 | 148.0 | 105.5 | 47.5 | 82.9 | 377.5 | 180.4 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 445.0 | 0.0 | 4.4 | 0.0 | 1.2 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 6.5 | 10.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 129.5 | 267.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 5.6 | 0.0 | 166.7 | 0.0 | 492.7 | 7.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 1.6 | 0.0 | 47.5 | 0.0 | 241.1 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 39.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 | 1.2 | 0.0 | 2.7 | 0.0 | 1.2 | 0.3 | 0.0 | 0.0 |
| GRENADIERS | 1158.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.1 | 40.8 | 0.0 | 8.6 | 6.3 | 4.2 | 0.0 | 65.6 | 146.0 | 75.5 | 66.1 |
| SKATES | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 22.0 | 22.0 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 | 2.1 | 13.7 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.7 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 5/28/87 | 5/29/87 | 5/29/87 | 5/29/87 | 5/29/87 | 5/29/87 | 5/30/87 | 5/30/87 | 5/30/87 | 5/30/87 | 5/30/87 |
| LATITUDE START | 54 34.6 | 54 24.9 | 54 5.6 | 54 7.7 | 54 19.0 | 54 7.4 | 54 13.1 | 54 32.3 | 54 49.0 | 54 48.7 | 54 33.8 |
| LONGITUDE START | 162 39.1 | 161 57.1 | 161 59.2 | 161 56.3 | 161 55.8 | 161 35.0 | 161 13.5 | 161 20.6 | 161 9.9 | 160 26.8 | 160 30.3 |
| LATITUDE END | 54 32.4 | 54 24.4 | 54 4.4 | 54 7.8 | 54 19.9 | 54 8.9 | 54 12.8 | 54 33.1 | 54 50.8 | 54 47.7 | 54 31.7 |
| LONGITUDE END | 162 37.8 | 161 53.4 | 162 3.4 | 162 0.2 | 161 53.0 | 161 33.1 | 161 9.3 | 161 20.4 | 161 8.0 | 160 23.7 | 160 30.8 |
| LORAN START | 18363.40 | 18359.10 | 18298.70 | 18307.20 | 18342.10 | 18320.50 | 18350.40 | 34081.40 | 34006.90 | 33907.70 | 33961.60 |
| LORAN START | 47125.10 | 46869.40 | 46880.50 | 46863.80 | 46861.00 | 46738.00 | 46609.70 | 46647.30 | 46577.70 | 46311.20 | 46341.20 |
| LORAN END | 18357.20 | 18359.80 | 18291.70 | 18304.80 | 18346.50 | 18326.30 | 18352.00 | 34078.80 | 33996.90 | 33903.60 | 33969.00 |
| LORAN END | 47116.80 | 46847.10 | 46905.20 | 46886.40 | 46844.40 | 46726.70 | 46584.60 | 46646.30 | 46565.10 | 46292.40 | 46345.70 |
| GEAR DEPTH | 77 | 79 | 98 | 43 | 37 | 104 | 388 | 44 | 55 | 50 | 77 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.67 | 0.50 | 0.50 | 0.50 | 0.75 | 0.20 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 2.32 | 2.22 | 2.80 | 2.25 | 1.85 | 1.90 | 2.51 | 0.81 | 2.08 | 2.07 | 2.10 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 1 /717 | 0 /717 | 0 /717 | 0 /717 | 6 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 122.5 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.2 | 40.9 |
| PACIFIC COD | 171.1 | 32.6 | 581.6 | 5.6 | 3.8 | 207.6 | 0.0 | 0.0 | 58.9 | 123.0 | 83.0 |
| SABLEFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 309.8 | 543.8 | 3082.3 | 0.0 | 0.0 | 1276.4 | 0.0 | 0.0 | 69.1 | 252.3 | 542.5 |
| HALIBUT | 37.4 | 13.8 | 85.0 | 144.0 | 203.6 | 840.2 | 80.8 | 0.0 | 97.5 | 69.7 | 61.1 |
| FLATHEAD SOLE | 203.1 | 79.1 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 50.2 | 241.3 | 107.8 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.2 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.8 | 0.0 | 0.0 | 0.0 | 0.8 |
| REX SOLE | 9.1 | 3.7 | 0.0 | 0.0 | 0.0 | 2.6 | 0.0 | 0.0 | 1.3 | 0.6 | 34.0 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 4.4 | 0.0 | 1.4 | 0.8 | 0.8 | 0.7 | 0.0 | 0.0 | 45.0 | 273.1 | 17.6 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 190.0 | 12.5 | 7.0 | 92.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 36.0 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 |
| THORNYHEADS | 0.0 | 0.0 | 3.8 | 0.0 | 0.0 | 0.0 | 36.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 738.7 | 32.6 | 46.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 25.7 | 3.8 | 4.4 | 1391.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.4 | 0.6 | 0.0 | 646.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1422.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 5.8 | 0.0 | 16.7 | 0.7 | 0.7 | 58.5 | 0.0 | 0.0 | 6.3 | 4.7 | 4.2 |
| SKATES | 0.0 | 8.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 2.0 | 2.1 | 14.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 1.9 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 5/31/87 | 5/31/87 | 5/31/87 | 5/31/87 | 5/31/87 | 6/ 1/87 | 6/ 1/87 | 6/ 1/87 | 6/ 1/87 | 6/ 2/87 | 6/ 2/87 |
| LATITUDE START | 54 17.8 | 54 13.8 | 54 20.2 | 54 21.7 | 54 36.3 | 54 23.7 | 54 28.1 | 54 34.6 | 54 40.5 | 54 42.6 | 55 1.4 |
| LONGITUDE START | 160 38.6 | 160 26.7 | 160 12.4 | 160 0.3 | 159 41.2 | 159 27.4 | 159 20.6 | 158 48.0 | 158 17.6 | 158 1.2 | 156 57.5 |
| LATITUDE END | 54 17.9 | 54 12.5 | 54 21.4 | 54 21.8 | 54 37.7 | 54 24.5 | 54 28.2 | 54 35.0 | 54 42.3 | 54 43.3 | 55 1.1 |
| LONGITUDE END | 160 42.3 | 160 29.5 | 160 9.6 | 159 56.9 | 159 38.4 | 159 24.4 | 159 17.1 | 158 44.7 | 158 16.0 | 157 57.8 | 157 0.9 |
| LORAN START | 34026.30 | 34011.00 | 33960.90 | 33930.00 | 33843.70 | 33851.60 | 33823.60 | 33732.90 | 33649.60 | 33608.00 | 33414.00 |
| LORAN START | 46399.70 | 46331.60 | 46242.10 | 46169.40 | 46042.00 | 45971.70 | 45927.00 | 45725.40 | 45537.30 | 45436.90 | 45028.60 |
| LORAN END | 34034.50 | 34020.60 | 33951.60 | 33922.20 | 33833.40 | 33842.80 | 33815.90 | 33724.80 | 33640.50 | 33598.70 | 33422.10 |
| LORAN END | 46421.90 | 46348.90 | 46225.10 | 46148.90 | 46024.20 | 45953.40 | 45906.30 | 45705.70 | 45525.20 | 45415.90 | 45049.30 |
| GEAR DEPTH | 101 | 284 | 104 | 134 | 43 | 200 | 104 | 87 | 159 | 107 | 301 |
| 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 | 2.19 | 2.05 | 1.96 | 2.01 | 2.10 | 1.90 | 2.03 | 1.92 | 2.00 | 2.08 | 2.00 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 0.0 | 0.0 | 0.0 | 9.9 | 0.0 | 0.9 | 1.1 | 0.0 | 9.3 | 0.0 | 0.0 |
| PACIFIC COD | 509.2 | 0.0 | 273.5 | 35.3 | 4.6 | 0.0 | 192.1 | 23.6 | 0.0 | 865.6 | 0.0 |
| SABLEFISH | 874.4 | 174.7 | 58.0 | 765.5 | 0.0 | 253.6 | 30.8 | 39.5 | 2978.8 | 19.3 | 1022.1 |
| ARROWTOOTH FL. | 1143.0 | 12.0 | 508.2 | 327.1 | 0.0 | 45.0 | 416.0 | 197.5 | 147.1 | 2284.5 | 17.7 |
| HALIBUT | 33.2 | 0.0 | 104.7 | 222.2 | 136.5 | 57.8 | 15.4 | 42.4 | 412.9 | 583.4 | 104.6 |
| FLATHEAD SOLE | 0.5 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 0.0 | 0.0 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 4.2 | 201.1 | 2.3 | 4.8 | 0.0 | 197.1 | 2.2 | 0.9 | 0.8 | 0.0 | 114.3 |
| REX SOLE | 89.3 | 35.3 | 610.6 | 84.1 | 0.0 | 40.5 | 0.0 | 17.5 | 1.1 | 2.5 | 2.8 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 21.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 247.9 | 0.0 | 23.3 | 336.1 | 7.0 | 0.0 | 40.3 | 0.0 | 7.6 | 40.2 | 0.0 |
| ROUGHEYE RKFH | 0.3 | 0.0 | 0.0 | 7.2 | 0.0 | 193.6 | 0.0 | 0.0 | 166.5 | 9.1 | 0.0 |
| THORNYHEADS | 0.0 | 267.5 | 0.0 | 148.3 | 0.0 | 850.5 | 0.0 | 0.0 | 501.7 | 2.6 | 274.3 |
| NORTHERN RKFH | 5.6 | 0.0 | 0.0 | 0.0 | 76.4 | 0.0 | 0.7 | 0.0 | 0.0 | 0.6 | 0.0 |
| DUSKY RCKFISH | 2.9 | 0.0 | 0.0 | 0.0 | 7.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 6.9 | 0.9 | 0.0 | 0.0 | 148.7 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ATKA MACKEREL | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GRENADIERS | 0.0 | 344.8 | 0.0 | 0.0 | 0.0 | 70.3 | 0.0 | 0.0 | 0.0 | 0.0 | 515.0 |
| SCULPINS | 9.7 | 1.0 | 151.0 | 39.2 | 0.0 | 1.5 | 25.2 | 0.3 | 48.3 | 0.0 | 0.9 |
| SKATES | 0.0 | 0.7 | 15.0 | 3.5 | 0.0 | 0.0 | 4.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.6 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/ 2/87 | 6/ 2/87 | 6/ 2/87 | 6/ 2/87 | 6/ 3/87 | 6/ 3/87 | 6/ 3/87 | 6/ 3/87 | 6/ 3/87 | 6/ 4/87 | 6/ 4/87 |
| LATITUDE START | 55 0.9 | 54 59.0 | 54 59.6 | 54 53.2 | 54 45.7 | 55 0.9 | 55 3.0 | 55 13.2 | 55 12.1 | 55 10.6 | 55 14.6 |
| LONGITUDE START | 157 7.7 | 157 15.4 | 157 37.6 | 158 22.9 | 158 49.5 | 158 36.0 | 158 17.7 | 158 19.6 | 158 35.7 | 158 54.4 | 159 13.0 |
| LATITUDE END | 54 59.4 | 54 57.2 | 54 59.6 | 54 51.6 | 54 47.1 | 55 2.8 | 55 4.9 | 55 13.2 | 55 11.9 | 55 12.6 | 55 12.4 |
| LONGITUDE END | 157 10.4 | 157 17.8 | 158 1.5 | 158 26.2 | 158 47.0 | 158 34.3 | 158 18.2 | 158 23.4 | 158 38.9 | 158 55.7 | 159 12.2 |
| LORAN START | 33436.50 | 33458.60 | 33543.50 | 33618.80 | 33700.60 | 33620.30 | 33574.10 | 33541.60 | 33580.40 | 33626.00 | 33652.80 |
| LORAN START | 45089.30 | 45138.20 | 45387.60 | 45549.80 | 45720.00 | 45618.30 | 45504.10 | 45500.50 | 45601.70 | 45719.00 | 45830.40 |
| LORAN END | 33446.90 | 33469.60 | 33551.50 | 33631.20 | 33690.50 | 33610.20 | 33568.20 | 33549.80 | 33587.90 | 33621.90 | 33658.70 |
| LORAN END | 45107.90 | 45156.10 | 45411.30 | 45572.00 | 45703.20 | 45605.50 | 45504.00 | 45524.00 | 45621.60 | 45724.90 | 45827.60 |
| GEAR DEPTH | 205 | 104 | 45 | 98 | 49 | 109 | 96 | 82 | 110 | 112 | 82 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.58 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 2.11 | 2.24 | 2.29 | 2.49 | 2.04 | 2.11 | 1.98 | 2.18 | 1.83 | 2.10 | 2.20 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 0.0 | 0.0 | 0.0 | 4.6 | 0.0 | 8.3 | 0.0 | 20.5 | 3.1 | 5.9 | 25.6 |
| PACIFIC COD | 0.0 | 25.0 | 0.0 | 103.4 | 37.5 | 45.5 | 13.7 | 6.2 | 2.6 | 21.9 | 147.0 |
| SABLEFISH | 818.2 | 22.5 | 0.0 | 40.1 | 0.0 | 32.8 | 0.0 | 5.4 | 26.9 | 15.6 | 0.0 |
| ARROWTOOTH FL. | 137.0 | 537.0 | 11.2 | 262.1 | 1.8 | 358.8 | 107.0 | 333.8 | 888.2 | 1289.5 | 681.4 |
| HALIBUT | 158.2 | 72.9 | 10.7 | 179.5 | 248.0 | 173.4 | 42.3 | 30.4 | 0.0 | 46.6 | 125.0 |
| FLATHEAD SOLE | 0.0 | 0.4 | 0.0 | 1.4 | 0.3 | 23.0 | 36.0 | 25.5 | 182.0 | 97.9 | 28.6 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 38.7 | 12.6 | 0.0 | 0.8 | 0.0 | 6.6 | 1.4 | 3.6 | 1.9 | 0.0 | 0.4 |
| REX SOLE | 42.0 | 120.2 | 0.0 | 36.9 | 0.0 | 16.3 | 7.7 | 6.9 | 2.1 | 0.0 | 12.7 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 3.0 | 0.0 | 5.8 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 1.6 | 115.0 | 31.7 | 158.3 | 0.0 | 2.0 | 1.0 | 0.0 | 0.0 | 1.9 |
| ROUGHEYE RKFH | 13.5 | 0.9 | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 189.0 | 2.0 | 0.0 |
| THORNYHEADS | 405.5 | 4.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 373.0 | 44.2 | 241.0 | 1.0 | 1.2 | 4.0 | 1.3 | 0.0 | 2.3 |
| DUSKY RCKFISH | 0.0 | 0.0 | 21.7 | 41.9 | 12.4 | 0.0 | 1.6 | 18.9 | 0.0 | 0.0 | 8.7 |
| SHORTRAKER RF | 85.0 | 16.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 52.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GRENADIERS | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 22.3 | 0.6 | 10.2 | 0.4 | 6.4 | 3.2 | 0.8 | 0.1 | 5.8 | 4.1 | 1.1 |
| SKATES | 11.6 | 4.8 | 5.3 | 5.4 | 0.0 | 14.0 | 0.7 | 5.3 | 0.0 | 104.3 | 3.1 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 3.3 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.4 | 0.1 | 0.0 | 0.5 | 0.8 | 0.2 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/ 4/87 | 6/ 5/87 | 6/ 5/87 | 6/ 5/87 | 6/ 5/87 | 6/ 5/87 | 6/ 5/87 | 6/ 6/87 | 6/ 6/87 | 6/ 6/87 | 6/ 6/87 |
| LATITUDE START | 55 10.0 | 55 23.5 | 55 25.5 | 55 21.5 | 55 22.4 | 55 18.7 | 55 24.2 | 55 33.7 | 55 31.7 | 55 39.4 | 55 42.2 |
| LONGITUDE START | 159 12.2 | 159 24.3 | 158 59.4 | 158 48.9 | 158 33.1 | 158 14.1 | 157 57.8 | 158 14.1 | 158 40.8 | 159 1.0 | 158 37.5 |
| LATITUDE END | 55 7.9 | 55 23.4 | 55 25.5 | 55 20.8 | 55 22.4 | 55 19.0 | 55 25.2 | 55 33.6 | 55 32.1 | 55 41.4 | 55 42.3 |
| LONGITUDE END | 159 10.9 | 159 20.6 | 158 55.8 | 158 45.4 | 158 29.6 | 158 10.5 | 157 54.5 | 158 17.9 | 158 44.5 | 159 1.0 | 158 33.9 |
| LORAN START | 33667.40 | 33645.20 | 33582.80 | 33574.70 | 33536.80 | 33509.80 | 33455.40 | 33453.40 | 33518.30 | 33532.60 | 33470.40 |
| LORAN START | 45830.30 | 45892.50 | 45733.40 | 45671.90 | 45571.70 | 45458.40 | 45349.80 | 45437.30 | 45608.20 | 45728.50 | 45575.10 |
| LORAN END | 33672.00 | 33637.50 | 33574.50 | 33569.30 | 33529.30 | 33501.20 | 33444.50 | 33462.00 | 33524.80 | 33524.70 | 33462.10 |
| LORAN END | 45824.50 | 45869.40 | 45710.20 | 45650.40 | 45549.60 | 45435.90 | 45327.30 | 45461.40 | 45631.10 | 45726.50 | 45551.90 |
| GEAR DEPTH | 44 | 82 | 85 | 93 | 82 | 68 | 52 | 77 | 85 | 82 | 60 |
| 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 | 2.25 | 2.10 | 2.09 | 2.12 | 2.02 | 2.06 | 2.18 | 2.16 | 2.14 | 2.01 | 2.05 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 1 /717 |
| POLLOCK | 0.6 | 101.5 | 1.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 1.6 | 2.6 | 0.2 |
| PACIFIC COD | 37.6 | 81.0 | 17.8 | 0.0 | 39.0 | 1705.3 | 10.2 | 0.0 | 51.5 | 30.0 | 2.2 |
| SABLEFISH | 0.0 | 5.1 | 0.0 | 5.2 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 100.2 | 434.1 | 186.8 | 362.7 | 244.5 | 1066.3 | 55.5 | 51.0 | 122.5 | 207.3 | 219.0 |
| HALIBUT | 39.9 | 93.3 | 6.1 | 18.8 | 12.0 | 54.2 | 124.4 | 5.0 | 15.1 | 115.1 | 103.8 |
| FLATHEAD SOLE | 44.0 | 75.9 | 34.8 | 238.1 | 77.4 | 20.5 | 4.5 | 43.2 | 82.7 | 141.9 | 31.7 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| REX SOLE | 0.3 | 1.4 | 0.3 | 0.6 | 8.0 | 88.4 | 2.5 | 0.2 | 1.1 | 0.0 | 1.9 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 46.8 | 0.8 | 0.0 | 0.3 | 0.0 | 0.0 | 5.9 | 0.0 | 0.6 | 0.7 | 6.6 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 99.1 | 0.7 | 0.0 | 0.0 | 1.6 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 1.2 | 0.0 | 3.7 | 0.0 | 0.0 | 0.0 | 35.9 | 24.5 | 16.0 | 5.6 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 236.6 | 0.2 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 7.3 | 0.0 | 1.0 | 0.8 | 5.6 | 1.2 | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ATKA MACKEREL | 10.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 4.6 | 2.4 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.8 | 3.4 |
| SKATES | 4.8 | 19.1 | 0.0 | 18.6 | 18.8 | 9.2 | 0.0 | 0.0 | 0.0 | 82.0 | 33.1 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.3 | 0.9 | 1.2 | 1.1 | 0.3 | 0.1 | 0.0 | 0.1 | 1.8 | 0.1 | 0.1 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/ 6/87 | 6/ 6/87 | 6/ 7/87 | 6/ 7/87 | 6/ 7/87 | 6/ 7/87 | 6/ 7/87 | 6/ 8/87 | 6/ 8/87 | 6/ 8/87 | 6/ 8/87 |
| LATITUDE START | 55 44.0 | 55 40.1 | 56 17.0 | 56 15.7 | 56 6.8 | 56 5.3 | 55 54.8 | 55 46.2 | 55 37.1 | 55 32.9 | 55 18.9 |
| LONGITUDE START | 158 10.6 | 158 0.0 | 157 11.6 | 157 37.9 | 157 19.4 | 157 54.5 | 158 10.6 | 157 42.2 | 157 40.6 | 157 23.1 | 157 2.8 |
| LATITUDE END | 55 44.1 | 55 39.3 | 56 18.5 | 56 13.6 | 56 4.7 | 56 3.5 | 55 52.7 | 55 44.2 | 55 35.2 | 55 31.5 | 55 17.4 |
| LONGITUDE END | 158 7.0 | 157 56.7 | 157 14.1 | 157 38.2 | 157 20.4 | 157 55.2 | 158 10.9 | 157 42.1 | 157 39.7 | 157 20.7 | 156 59.8 |
| LORAN START | 33405.70 | 33398.60 | 33146.60 | 33205.20 | 33205.90 | 33284.00 | 33361.50 | 33337.30 | 33369.90 | 33350.30 | 33362.00 |
| LORAN START | 45401.60 | 45339.30 | 44977.70 | 45149.90 | 45042.30 | 45270.70 | 45387.20 | 45218.20 | 45222.20 | 45120.40 | 45023.60 |
| LORAN END | 33397.40 | 33395.00 | 33145.10 | 33214.80 | 33216.80 | 33293.30 | 33370.80 | 33345.10 | 33375.50 | 33350.80 | 33361.50 |
| LORAN END | 45378.00 | 45319.80 | 44991.70 | 45154.50 | 45051.50 | 45277.60 | 45391.70 | 45220.50 | 45219.80 | 45108.20 | 45008.80 |
| GEAR DEPTH | 67 | 69 | 87 | 71 | 85 | 82 | 82 | 71 | 60 | 49 | 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 | 2.09 | 2.04 | 2.01 | 2.07 | 2.20 | 1.89 | 2.12 | 2.02 | 1.97 | 1.95 | 2.27 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 0.4 | 6.7 | 59.0 | 27.7 | 68.0 | 133.5 | 157.8 | 4.1 | 0.0 | 0.0 | 0.0 |
| PACIFIC COD | 33.5 | 31.4 | 6.9 | 92.2 | 78.1 | 203.1 | 160.1 | 823.0 | 140.9 | 2.6 | 0.0 |
| SABLEFISH | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 5.4 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 533.1 | 278.6 | 92.4 | 111.2 | 181.3 | 287.6 | 612.4 | 1313.2 | 1289.7 | 0.2 | 0.0 |
| HALIBUT | 56.4 | 49.8 | 102.6 | 163.3 | 205.3 | 272.6 | 169.9 | 252.7 | 142.1 | 75.7 | 0.0 |
| FLATHEAD SOLE | 37.6 | 39.9 | 34.5 | 67.5 | 72.5 | 72.1 | 24.9 | 112.9 | 75.7 | 4.0 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.9 | 2.3 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REX SOLE | 11.0 | 1.2 | 0.0 | 1.3 | 3.1 | 0.3 | 0.8 | 30.9 | 20.2 | 0.4 | 0.0 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 1.4 | 0.0 | 1.3 | 28.5 | 0.5 | 1.6 | 2.2 | 0.6 | 34.2 | 11.8 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 1.4 | 5.7 | 2.5 | 35.5 | 13.0 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.9 | 1.6 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.0 | 0.1 | 1.4 | 8.5 | 0.0 | 10.4 | 14.4 | 0.8 | 0.4 | 0.0 | 0.0 |
| SKATES | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.4 | 0.5 | 0.3 | 0.7 | 0.0 | 0.0 | 0.5 | 0.1 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/ 8/87 | 6/ 9/87 | 6/ 9/87 | 6/ 9/87 | 6/ 9/87 | 6/ 9/87 | 6/10/87 | 6/10/87 | 6/10/87 | 6/10/87 | 6/10/87 |
| LATITUDE START | 55 13.7 | 55 9.3 | 55 14.8 | 55 23.8 | 55 33.2 | 55 39.7 | 55 57.4 | 55 51.1 | 55 51.9 | 55 55.8 | 55 53.2 |
| LONGITUDE START | 156 39.0 | 156 19.3 | 155 51.3 | 156 0.9 | 155 42.6 | 155 18.8 | 154 53.4 | 154 53.3 | 154 50.1 | 154 32.8 | 154 12.7 |
| LATITUDE END | 55 14.1 | 55 9.7 | 55 15.7 | 55 25.4 | 55 31.4 | 55 40.8 | 55 55.5 | 55 49.4 | 55 53.3 | 55 57.3 | 55 54.8 |
| LONGITUDE END | 156 35.5 | 156 16.3 | 155 48.2 | 156 3.3 | 155 40.4 | 155 15.7 | 154 55.0 | 154 55.0 | 154 47.3 | 154 30.6 | 154 15.1 |
| LORAN START | 33333.70 | 33311.10 | 33237.50 | 33222.60 | 33153.00 | 33083.90 | 32969.30 | 32993.70 | 32984.90 | 32939.30 | 32914.60 |
| LORAN START | 44893.80 | 44790.60 | 44617.60 | 44648.30 | 44518.50 | 44363.90 | 44167.20 | 44185.60 | 44165.40 | 44036.90 | 43958.10 |
| LORAN END | 33325.40 | 33303.70 | 33228.30 | 33221.20 | 33155.50 | 33074.10 | 32979.50 | 33003.50 | 32974.50 | 32929.80 | 32912.70 |
| LORAN END | 44872.50 | 44772.30 | 44597.80 | 44658.00 | 44510.40 | 44343.10 | 44181.80 | 44200.60 | 44145.30 | 44039.90 | 43965.10 |
| GEAR DEPTH | 108 | 301 | 391 | 107 | 96 | 139 | 101 | 284 | 394 | 410 | 191 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.63 | 0.50 | 0.50 |
| DISTANCE FISHED | 2.04 | 1.78 | 1.99 | 2.11 | 2.20 | 2.07 | 2.08 | 1.98 | 2.10 | 1.90 | 2.06 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 1 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 1.7 | 0.0 | 0.0 | 103.8 | 0.0 | 288.6 | 1.2 | 0.0 | 0.0 | 0.0 | 3.0 |
| PACIFIC COD | 140.0 | 0.0 | 0.0 | 72.0 | 583.5 | 4.4 | 243.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SABLEFISH | 1221.2 | 840.1 | 597.6 | 440.8 | 2444.0 | 2945.6 | 498.0 | 1183.2 | 748.1 | 429.8 | 178.3 |
| ARROWTOOTH FL | 605.6 | 0.0 | 0.0 | 175.7 | 1929.3 | 475.3 | 356.3 | 21.2 | 3.5 | 0.0 | 268.1 |
| HALIBUT | 742.4 | 0.0 | 0.0 | 39.8 | 233.2 | 225.0 | 110.1 | 11.8 | 0.0 | 0.0 | 420.9 |
| FLATHEAD SOLE | 0.5 | 0.0 | 0.0 | 4.8 | 3.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 170.0 | 41.1 | 18.3 | 3.3 | 0.0 | 24.5 | 7.2 | 64.2 | 40.4 | 33.5 | 69.0 |
| REX SOLE | 28.2 | 17.7 | 0.5 | 141.4 | 22.4 | 334.7 | 83.1 | 20.5 | 0.0 | 0.0 | 24.3 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 1243.1 | 0.0 | 0.0 | 1.5 | 0.3 | 829.3 | 30.4 | 0.0 | 0.0 | 0.0 | 0.4 |
| ROUGHEYE RKFH | 16.5 | 1.1 | 0.0 | 1.2 | 0.0 | 7.3 | 0.0 | 0.0 | 0.0 | 0.0 | 392.2 |
| THORNYHEADS | 0.0 | 234.3 | 23.9 | 0.0 | 0.0 | 108.2 | 6.1 | 85.4 | 91.4 | 218.5 | 332.1 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 581.9 | 61.0 | 6.2 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 171.0 | 0.0 | 0.0 | 13.3 | 2.8 | 8.3 | 10.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.2 | 0.0 | 0.0 | 3954.9 |
| HARLEQUIN RF | 1.6 | 0.0 | 0.0 | 3.7 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ATKA MACKEREL | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| GRENADIERS | 0.0 | 2497.9 | 1758.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1011.2 | 134.2 | 490.6 | 0.0 |
| SCULPINS | 0.0 | 0.0 | 0.0 | 17.3 | 53.5 | 17.7 | 12.6 | 0.0 | 0.0 | 0.0 | 7.7 |
| SKATES | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 5.6 | 0.0 | 1.8 | 0.0 | 0.0 |
| SPINY DOGFISH | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45.2 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 33 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/11/87 | 6/11/87 | 6/11/87 | 6/11/87 | 6/14/87 | 6/14/87 | 6/14/87 | 6/14/87 | 6/14/87 | 6/15/87 | 6/15/87 |
| LATITUDE START | 55 51.0 | 55 54.8 | 55 59.7 | 56 7.6 | 55 57.8 | 55 55.3 | 55 53.7 | 56 16.0 | 56 22.1 | 56 8.1 | 56 14.5 |
| LONGITUDE START | 154 16.3 | 154 16.3 | 154 18.5 | 154 2.0 | 153 53.2 | 153 47.1 | 153 39.2 | 153 45.5 | 153 29.2 | 153 22.5 | 153 14.5 |
| LATITUDE END | 55 52.9 | 55 56.1 | 55 57.5 | 56 9.6 | 55 58.3 | 55 55.2 | 55 55.0 | 56 17.8 | 56 22.4 | 56 9.6 | 56 15.9 |
| LONGITUDE END | 154 16.9 | 154 19.1 | 154 17.4 | 154 1.5 | 153 56.7 | 153 44.2 | 153 36.6 | 153 43.8 | 153 25.6 | 153 20.1 | 153 11.8 |
| LORAN START | 32929.30 | 32914.70 | 32899.40 | 32839.80 | 32863.70 | 32863.20 | 32856.00 | 32778.80 | 32727.60 | 32772.40 | 32734.40 |
| LORAN START | 43984.80 | 43971.20 | 43965.70 | 43848.70 | 43840.60 | 43820.10 | 43788.00 | 43730.20 | 43621.60 | 43648.20 | 43583.30 |
| LORAN END | 32923.20 | 32914.70 | 32906.00 | 32831.10 | 32867.60 | 32858.70 | 32846.70 | 32768.70 | 32720.40 | 32762.80 | 32724.50 |
| LORAN END | 43981.60 | 43982.00 | 43967.70 | 43838.80 | 43856.50 | 43806.20 | 43770.30 | 43714.30 | 43602.80 | 43630.70 | 43564.50 |
| GEAR DEPTH | 388 | 276 | 82 | 90 | 107 | 98 | 156 | 46 | 36 | 279 | 200 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.60 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 1.92 | 2.06 | 2.21 | 1.99 | 2.06 | 1.64 | 1.95 | 2.05 | 1.93 | 1.98 | 2.07 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 9.6 | 0.0 | 0.0 | 0.0 | 0.8 |
| PACIFIC COD | 0.0 | 0.0 | 17.8 | 172.4 | 182.5 | 466.3 | 2.7 | 1.2 | 51.2 | 0.0 | 0.0 |
| SABLEFISH | 222.2 | 1575.4 | 0.0 | 19.0 | 0.9 | 1.4 | 673.6 | 0.0 | 0.0 | 1232.6 | 3371.8 |
| ARROWTOOTH FL. | 0.0 | 66.4 | 41.3 | 9195.4 | 211.1 | 583.8 | 236.4 | 0.0 | 0.0 | 45.0 | 311.9 |
| HALIBUT | 0.0 | 12.6 | 104.6 | 472.5 | 77.1 | 316.7 | 66.4 | 89.0 | 569.1 | 2.4 | 43.5 |
| FLATHEAD SOLE | 0.0 | 0.0 | 0.0 | 28.5 | 7.4 | 3.0 | 1.5 | 0.0 | 0.0 | 0.0 | 10.7 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 18.9 | 1065.8 | 0.0 | 4.8 | 11.6 | 1.4 | 539.9 | 0.0 | 0.0 | 60.0 | 680.7 |
| REX SOLE | 0.0 | 41.4 | 11.9 | 413.8 | 281.5 | 135.8 | 99.4 | 0.0 | 0.0 | 0.0 | 15.1 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 7.4 | 1.0 | 0.0 | 9.8 | 0.0 | 1.6 | 0.4 | 0.0 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 59.4 | 7.4 | 0.0 | 4.0 | 8.8 | 1.1 | 0.6 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 3.6 | 0.4 | 0.0 | 0.0 | 19.1 | 0.0 | 0.0 | 0.0 | 2.5 |
| THORNYHEADS | 46.8 | 139.4 | 0.0 | 0.0 | 0.0 | 0.0 | 216.3 | 0.0 | 0.0 | 109.8 | 167.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 7.4 | 2.8 | 0.0 | 2.5 | 1.2 | 183.1 | 71.3 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.9 | 1.3 | 0.0 | 0.0 | 1.2 | 8.4 | 15.6 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 30.6 | 0.0 | 0.0 | 0.0 | 0.0 | 34.1 | 0.0 | 0.0 | 29.1 | 84.4 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 | 0.4 | 0.0 | 0.0 |
| GRENADIERS | 209.6 | 238.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1359.2 | 597.6 |
| SCULPINS | 0.0 | 0.0 | 0.0 | 20.7 | 30.5 | 4.0 | 10.4 | 0.3 | 0.0 | 0.0 | 5.1 |
| SKATES | 0.0 | 2.6 | 0.0 | 20.0 | 0.0 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 23.4 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 46.1 | 25.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.5 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/15/87 | 6/15/87 | 6/15/87 | 6/15/87 | 6/17/87 | 6/17/87 | 6/17/87 | 6/17/87 | 6/17/87 | 6/17/87 | 6/18/87 |
| LATITUDE START | 56 16.9 | 56 27.5 | 56 31.4 | 56 41.1 | 56 52.8 | 56 43.2 | 56 52.8 | 56 57.7 | 57 6.9 | 57 4.2 | 56 54.9 |
| LONGITUDE START | 153 12.0 | 153 18.6 | 153 36.6 | 153 38.4 | 153 21.4 | 153 12.6 | 152 44.9 | 152 44.9 | 152 45.9 | 152 37.0 | 152 27.4 |
| LATITUDE END | 56 15.5 | 56 29.1 | 56 33.3 | 56 43.2 | 56 50.9 | 56 42.7 | 56 54.6 | 56 59.7 | 57 8.8 | 57 2.1 | 56 53.0 |
| LONGITUDE END | 153 14.0 | 153 21.9 | 153 37.7 | 153 38.6 | 153 19.8 | 153 9.3 | 152 44.0 | 152 45.0 | 152 45.3 | 152 35.1 | 152 25.7 |
| LORAN START | 32721.20 | 32688.50 | 32701.70 | 32663.70 | 32587.20 | 32614.30 | 32531.80 | 32511.00 | 32472.80 | 32472.00 | 32497.30 |
| LORAN START | 43561.60 | 43546.10 | 43623.80 | 43597.30 | 43459.40 | 43449.30 | 43270.60 | 43246.70 | 43209.20 | 43179.20 | 43188.10 |
| LORAN END | 32729.60 | 32687.20 | 32695.10 | 32655.30 | 32592.90 | 32611.10 | 32522.90 | 32502.60 | 32463.90 | 32478.00 | 32502.80 |
| LORAN END | 43576.60 | 43555.50 | 43621.70 | 43591.50 | 43457.60 | 43434.10 | 43257.70 | 43237.60 | 43198.30 | 43181.20 | 43192.00 |
| GEAR DEPTH | 87 | 41 | 60 | 82 | 93 | 85 | 68 | 77 | 78 | 85 | 90 |
| DURATION IN HOURS | 0.42 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 1.72 | 2.38 | 2.06 | 2.09 | 2.07 | 1.91 | 1.85 | 2.01 | 1.90 | 2.30 | 2.11 |
| PERFORMANCE / GEAR | 1 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 12.5 | 0.0 | 46.7 | 47.4 | 182.0 | 92.3 | 378.2 | 1879.0 | 1157.0 | 3958.8 | 4.4 |
| PACIFIC COD | 159.5 | 192.7 | 150.7 | 404.1 | 387.9 | 139.5 | 2.4 | 210.6 | 83.0 | 285.0 | 100.0 |
| SABLEFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 6.5 | 10.4 | 9.8 |
| ARROWTOOTH FL. | 556.8 | 14.5 | 136.1 | 777.0 | 1326.5 | 793.3 | 364.0 | 740.7 | 1260.5 | 674.9 | 5260.8 |
| HALIBUT | 346.6 | 104.8 | 57.0 | 56.2 | 253.9 | 505.2 | 25.4 | 251.7 | 54.1 | 59.3 | 687.7 |
| FLATHEAD SOLE | 3.2 | 6.4 | 3.0 | 821.2 | 99.8 | 344.0 | 115.8 | 162.7 | 999.8 | 163.9 | 86.5 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 11.0 | 0.0 | 0.0 | 1.3 | 6.4 | 1.9 | 2.1 | 7.8 | 2.2 | 6.8 | 1.0 |
| REX SOLE | 33.3 | 0.2 | 3.0 | 0.3 | 21.1 | 4.3 | 48.0 | 12.3 | 5.6 | 23.0 | 3.0 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 157.4 | 9.3 | 4.1 | 34.9 | 3.9 | 0.7 | 4.3 | 14.4 | 0.6 | 0.9 |
| BUTTER SOLE | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 74.6 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 11.7 | 1.5 | 0.0 | 1.6 | 7.4 | 246.1 |
| THORNYHEADS | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 17.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 365.2 | 0.0 | 10.6 | 2.1 | 14.9 | 0.9 | 5.0 | 3.5 | 0.0 | 0.0 | 1.3 |
| SHORTRAKER RF | 5.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 21.9 | 13.9 | 41.1 | 23.4 | 186.9 | 12.2 | 4.5 | 19.6 | 27.7 | 36.6 | 0.0 |
| SKATES | 9.2 | 0.0 | 0.0 | 52.9 | 0.0 | 0.0 | 2.4 | 0.0 | 71.7 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 3.4 | 0.3 | 0.1 | 0.0 | 0.0 | 9.8 | 2.1 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 4.3 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 | 131 | 132 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/18/87 | 6/18/87 | 6/18/87 | 6/18/87 | 6/18/87 | 6/18/87 | 6/19/87 | 6/19/87 | 6/19/87 | 6/19/87 | 6/19/87 |
| LATITUDE START | 56 28.1 | 56 37.3 | 56 43.4 | 56 37.9 | 56 47.9 | 56 49.2 | 56 51.8 | 56 54.4 | 56 48.8 | 56 47.4 | 56 41.8 |
| LONGITUDE START | 152 32.7 | 152 43.0 | 152 27.2 | 152 8.3 | 152 8.9 | 152 0.8 | 151 31.8 | 151 34.8 | 151 40.4 | 151 45.3 | 151 48.2 |
| LATITUDE END | 56 30.0 | 56 39.3 | 56 44.1 | 56 39.0 | 56 49.7 | 56 49.2 | 56 50.1 | 56 52.9 | 56 46.8 | 56 45.3 | 56 39.6 |
| LONGITUDE END | 152 31.6 | 152 42.8 | 152 23.3 | 152 5.6 | 152 6.7 | 151 57.0 | 151 35.7 | 151 38.3 | 151 42.5 | 151 47.8 | 151 50.3 |
| LORAN START | 32614.70 | 32593.60 | 32544.30 | 11076.60 | 11067.20 | 11087.10 | 11183.00 | 11173.30 | 11151.30 | 11134.90 | 11127.40 |
| LORAN START | 43343.30 | 43338.70 | 43246.30 | 30971.60 | 31022.50 | 31016.20 | 30981.30 | 30999.70 | 30980.00 | 30981.00 | 30957.40 |
| LORAN END | 32605.50 | 32585.10 | 32536.10 | 11081.80 | 11071.20 | 11097.90 | 11168.10 | 11159.30 | 11144.30 | 11127.40 | 11122.10 |
| LORAN END | 43329.80 | 43328.00 | 43229.70 | 30972.70 | 31028.00 | 31009.80 | 30979.10 | 30997.90 | 30973.20 | 30974.60 | 30949.80 |
| GEAR DEPTH | 104 | 38 | 93 | 21 | 53 | 42 | 366 | 106 | 191 | 98 | 159 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.67 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 1.96 | 2.00 | 2.22 | 1.80 | 2.16 | 2.08 | 2.69 | 2.47 | 2.31 | 2.49 | 2.49 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 1 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 52.6 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 549.5 | 2.2 | 0.0 | 51.4 |
| PACIFIC COD | 117.0 | 0.1 | 15.7 | 0.0 | 100.1 | 0.0 | 0.0 | 62.0 | 2.9 | 102.5 | 0.0 |
| SABLEFISH | 2042.7 | 0.0 | 13.3 | 0.0 | 0.0 | 0.0 | 234.5 | 26.8 | 500.2 | 22.2 | 345.0 |
| ARROWTOOTH FL. | 332.6 | 0.3 | 1095.9 | 0.0 | 173.8 | 0.0 | 0.0 | 126.0 | 38.9 | 280.5 | 302.7 |
| HALIBUT | 57.3 | 427.6 | 279.9 | 130.0 | 210.0 | 406.3 | 6.7 | 149.2 | 32.6 | 138.3 | 100.9 |
| FLATHEAD SOLE | 1.1 | 0.0 | 85.7 | 0.0 | 20.9 | 1.0 | 0.0 | 1.3 | 0.0 | 0.8 | 0.9 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 8.9 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | 35.1 | 77.2 | 64.0 | 13.1 | 57.9 |
| REX SOLE | 169.4 | 0.0 | 21.3 | 0.0 | 0.0 | 0.6 | 0.0 | 148.0 | 36.9 | 128.0 | 63.9 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 4.8 | 2.8 | 0.0 | 11.3 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 82.6 | 0.0 | 0.0 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 1.4 | 533.0 | 79.2 |
| ROUGHEYE RKFH | 5.0 | 0.0 | 107.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 933.1 | 0.0 | 201.5 |
| THORNYHEADS | 8.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.2 | 0.0 | 99.6 | 0.0 | 70.5 |
| NORTHERN RKFH | 2.3 | 0.5 | 0.8 | 0.0 | 1933.4 | 73.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 |
| DUSKY RCKFISH | 2.9 | 0.0 | 0.0 | 0.0 | 357.9 | 1.1 | 0.0 | 0.0 | 0.0 | 1.1 | 5.9 |
| SHORTRAKER RF | 0.0 | 6.0 | 0.0 | 0.0 | 9.8 | 0.0 | 0.0 | 0.0 | 83.0 | 0.0 | 45.2 |
| HARLEQUIN RF | 0.5 | 0.0 | 0.0 | 0.0 | 0.4 | 10.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 197.1 | 0.0 | 192.4 | 0.0 | 0.0 |
| SCULPINS | 14.1 | 0.9 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 5.7 | 5.3 | 0.0 | 2.7 |
| SKATES | 0.0 | 0.0 | 1.7 | 126.5 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | 7.8 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 29.7 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/20/87 | 6/20/87 | 6/20/87 | 6/20/87 | 6/20/87 | 6/20/87 | 6/21/87 | 6/21/87 | 6/21/87 | 6/21/87 | 6/21/87 |
| LATITUDE START | 57 8.6 | 57 13.6 | 57 18.1 | 57 27.1 | 57 29.6 | 57 24.6 | 57 19.0 | 57 23.9 | 57 34.1 | 57 43.3 | 57 54.1 |
| LONGITUDE START | 151 40.8 | 151 57.6 | 152 15.6 | 152 10.5 | 151 43.8 | 151 32.7 | 151 14.3 | 151 7.0 | 151 22.7 | 151 41.3 | 151 25.9 |
| LATITUDE END | 57 10.4 | 57 14.5 | 57 18.0 | 57 29.3 | 57 29.0 | 57 24.5 | 57 21.2 | 57 25.5 | 57 35.8 | 57 45.2 | 57 55.4 |
| LONGITUDE END | 151 42.3 | 152 1.5 | 152 20.0 | 152 9.5 | 151 39.6 | 151 27.4 | 151 14.9 | 151 4.5 | 151 25.8 | 151 43.9 | 151 22.6 |
| LORAN START | 11161.00 | 11093.70 | 11025.70 | 11065.10 | 11218.10 | 11248.00 | 11316.80 | 11376.10 | 11354.20 | 11335.40 | 11301.10 |
| LORAN START | 31083.70 | 31137.00 | 31187.50 | 31226.70 | 31200.00 | 31156.10 | 31097.30 | 31111.90 | 31192.90 | 31270.50 | 31307.20 |
| LORAN END | 11157.00 | 11078.10 | 11013.60 | 11085.20 | 11236.10 | 11274.60 | 11323.40 | 11395.90 | 11349.70 | 11341.20 | 11328.00 |
| LORAN END | 31095.60 | 31147.30 | 31193.40 | 31236.60 | 31190.70 | 31147.70 | 31109.90 | 31116.90 | 31206.50 | 31284.50 | 31309.90 |
| GEAR DEPTH | 41 | 39 | 30 | 27 | 55 | 66 | 66 | 48 | 37 | 30 | 34 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.63 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 1.99 | 2.27 | 2.38 | 2.26 | 2.32 | 2.83 | 2.19 | 2.04 | 2.33 | 2.35 | 2.24 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 1 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 0.0 | 0.0 | 0.0 | 0.0 | 827.8 | 1727.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PACIFIC COD | 1536.7 | 45.8 | 2103.4 | 198.0 | 332.2 | 345.2 | 68.4 | 174.3 | 2.2 | 1029.5 | 212.8 |
| SABLEFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 0.0 | 0.0 | 0.9 | 0.1 | 698.3 | 1226.3 | 974.4 | 76.4 | 0.0 | 0.0 | 0.0 |
| HALIBUT | 282.5 | 185.8 | 195.6 | 344.4 | 432.2 | 379.5 | 191.6 | 319.3 | 409.1 | 475.6 | 255.0 |
| FLATHEAD SOLE | 0.0 | 0.0 | 0.0 | 0.3 | 47.6 | 61.9 | 305.5 | 5.0 | 0.0 | 0.0 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 391.1 | 10.6 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 31.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REX SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 57.4 | 141.2 | 0.3 | 0.7 | 0.0 | 0.0 | 0.0 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 3.5 | 2.9 | 58.1 | 10.4 | 0.0 | 2.6 | 0.0 | 5.7 | 20.2 | 1.6 |
| ROCK SOLE | 95.0 | 224.6 | 58.6 | 174.4 | 209.4 | 137.5 | 140.6 | 386.9 | 9.9 | 56.8 | 70.4 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 103.6 | 37.3 | 0.2 | 50.7 | 6.5 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.4 | 0.0 | 32.7 | 7.6 | 7.7 | 1.9 | 0.0 | 6.4 | 0.5 | 23.9 | 14.3 |
| SKATES | 54.5 | 25.7 | 31.6 | 37.0 | 0.0 | 39.9 | 37.0 | 41.3 | 120.1 | 73.8 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 3.9 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/22/87 | 6/22/87 | 6/22/87 | 6/22/87 | 6/22/87 | 6/22/87 | 6/23/87 | 6/23/87 | 6/23/87 | 6/24/87 | 6/24/87 |
| LATITUDE START | 57 54.4 | 57 58.8 | 57 59.3 | 58 3.7 | 58 9.0 | 58 9.7 | 58 10.1 | 58 10.0 | 58 23.8 | 58 20.3 | 58 10.8 |
| LONGITUDE START | 152 11.6 | 152 10.5 | 151 55.2 | 151 45.3 | 151 37.0 | 151 18.5 | 150 28.3 | 150 43.6 | 150 55.4 | 150 10.4 | 150 9.3 |
| LATITUDE END | 57 55.5 | 57 58.9 | 57 59.5 | 58 5.3 | 58 9.6 | 58 9.8 | 58 9.7 | 58 10.0 | 58 24.0 | 58 18.0 | 58 9.1 |
| LONGITUDE END | 152 8.6 | 152 6.8 | 151 51.4 | 151 42.7 | 151 33.3 | 151 14.6 | 150 32.4 | 150 47.9 | 150 55.9 | 150 11.6 | 150 11.2 |
| LORAN START | 11338.60 | 11390.70 | 11441.00 | 11521.00 | 11605.70 | 11682.20 | 11898.50 | 11830.00 | 11912.20 | 12067.70 | 11989.90 |
| LORAN START | 31372.10 | 31394.30 | 31376.50 | 31387.30 | 31405.40 | 31384.30 | 31314.50 | 31336.60 | 31433.40 | 31349.10 | 31290.40 |
| LORAN END | 11359.70 | 11402.00 | 11456.40 | 11546.60 | 11624.90 | 11698.50 | 11876.90 | 11811.40 | 11912.40 | 12042.70 | 11967.10 |
| LORAN END | 31374.30 | 31390.20 | 31372.90 | 31392.50 | 31403.70 | 31379.50 | 31318.30 | 31342.80 | 31435.50 | 31337.40 | 31282.90 |
| GEAR DEPTH | 71 | 96 | 90 | 90 | 60 | 82 | 60 | 55 | 37 | 26 | 77 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.10 | 0.50 | 0.50 |
| DISTANCE FISHED | 2.00 | 1.95 | 2.02 | 2.10 | 2.03 | 2.06 | 2.20 | 2.27 | 0.37 | 2.32 | 1.98 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 6 /717 | 1 /717 | 1 /717 |
| POLLOCK | 3489.9 | 351.3 | 384.4 | 133.8 | 0.0 | 2068.7 | 0.0 | 0.0 | 0.0 | 0.0 | 64.5 |
| PACIFIC COD | 601.5 | 106.3 | 152.0 | 140.5 | 69.2 | 390.7 | 55.8 | 333.4 | 0.0 | 0.1 | 70.0 |
| SABLEFISH | 0.0 | 15.8 | 9.4 | 7.9 | 0.0 | 0.0 | 0.0 | 1.7 | 0.0 | 0.0 | 130.0 |
| ARROWTOOTH FL. | 633.3 | 696.6 | 2319.0 | 1363.0 | 90.2 | 3103.2 | 38.9 | 481.0 | 0.0 | 0.0 | 191.3 |
| HALIBUT | 108.2 | 131.1 | 560.4 | 178.9 | 78.6 | 816.5 | 126.7 | 147.9 | 0.0 | 889.1 | 200.4 |
| FLATHEAD SOLE | 59.6 | 144.9 | 113.6 | 77.2 | 0.0 | 40.9 | 0.0 | 17.0 | 0.0 | 0.0 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 4.3 | 1.8 | 0.0 | 0.6 | 0.0 | 49.0 | 0.0 | 5.9 | 0.0 | 0.0 | 6.5 |
| REX SOLE | 0.8 | 0.9 | 0.0 | 0.0 | 0.0 | 15.9 | 0.0 | 2.6 | 0.0 | 0.0 | 16.4 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 16.0 | 2.0 | 0.3 | 2.5 | 50.0 | 6.8 | 5.4 | 129.3 | 0.0 | 1.9 | 1.7 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 39.7 |
| ROUGHEYE RKFH | 0.0 | 22.5 | 23.7 | 16.3 | 0.0 | 1.4 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 506.0 |
| DUSKY RCKFISH | 46.2 | 0.0 | 6.1 | 0.0 | 0.0 | 0.6 | 4.4 | 1.1 | 0.0 | 0.0 | 11279.1 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 43.5 | 10.3 | 5.4 | 3.5 | 0.0 | 4.3 | 1.0 | 0.9 | 0.0 | 1.7 | 7.5 |
| SKATES | 6.5 | 13.9 | 9.9 | 10.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 2.7 | 0.0 | 3.8 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 1.8 | 4.3 | 2.8 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 155 | 156 | 157 | 158 | 159 | 160 | 161 | 162 | 163 | 164 | 165 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/24/87 | 6/24/87 | 6/24/87 | 6/24/87 | 6/25/87 | 6/25/87 | 6/25/87 | 6/25/87 | 6/25/87 | 6/26/87 | 6/26/87 |
| LATITUDE START | 58 1.6 | 57 60.0 | 57 59.8 | 58 4.1 | 57 55.6 | 58 9.8 | 58 14.7 | 58 11.3 | 58 10.5 | 57 49.0 | 57 51.0 |
| LONGITUDE START | 150 14.0 | 150 26.7 | 150 55.4 | 151 4.5 | 149 5.3 | 149 3.2 | 149 18.8 | 149 21.7 | 149 49.8 | 149 34.0 | 149 36.8 |
| LATITUDE END | 58 0.4 | 58 0.1 | 58 0.8 | 58 5.7 | 57 55.9 | 58 10.6 | 58 15.1 | 58 9.6 | 58 8.9 | 57 48.0 | 57 52.7 |
| LONGITUDE END | 150 16.8 | 150 30.6 | 150 58.9 | 151 7.0 | 149 9.2 | 149 6.7 | 149 23.1 | 149 22.6 | 149 52.6 | 149 37.4 | 149 39.1 |
| LORAN START | 11892.40 | 11820.50 | 11687.40 | 11685.80 | 12170.60 | 12285.20 | 12252.60 | 12211.50 | 12076.20 | 11988.60 | 11988.90 |
| LORAN START | 31242.80 | 31253.20 | 31295.10 | 31332.80 | 31091.90 | 31177.70 | 31234.60 | 31217.90 | 31258.30 | 31101.40 | 31118.40 |
| LORAN END | 11870.30 | 11803.00 | 11680.10 | 11690.00 | 12154.10 | 12274.60 | 12235.80 | 12194.10 | 12050.00 | 11965.50 | 11990.50 |
| LORAN END | 31240.30 | 31259.40 | 31305.90 | 31345.50 | 31100.20 | 31188.10 | 31244.00 | 31208.80 | 31252.70 | 31101.30 | 31132.60 |
| GEAR DEPTH | 104 | 90 | 55 | 60 | 273 | 66 | 68 | 57 | 82 | 197 | 115 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.45 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 1.87 | 2.05 | 2.13 | 2.09 | 2.07 | 1.98 | 2.32 | 1.76 | 2.21 | 2.08 | 2.09 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 4.9 | 887.8 | 0.0 | 4390.9 | 0.0 | 0.0 | 0.0 | 0.0 | 4.6 | 0.0 | 0.0 |
| PACIFIC COD | 263.1 | 124.0 | 118.1 | 310.9 | 0.0 | 6.1 | 424.6 | 15.3 | 38.0 | 0.0 | 120.7 |
| SABLEFISH | 608.6 | 409.6 | 69.3 | 10.5 | 1206.5 | 0.0 | 214.6 | 3.8 | 61.0 | 1064.5 | 191.1 |
| ARROWTOOTH FL. | 14629.1 | 1610.3 | 444.8 | 1365.0 | 32.2 | 21.0 | 3062.3 | 0.2 | 1126.5 | 92.5 | 269.7 |
| HALIBUT | 13850.0 | 489.3 | 211.1 | 377.0 | 0.0 | 6.9 | 592.5 | 227.9 | 60.1 | 241.9 | 23.0 |
| FLATHEAD SOLE | 5.5 | 49.7 | 23.0 | 43.2 | 0.0 | 3.9 | 141.8 | 0.0 | 12.6 | 0.0 | 16.1 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 21.2 | 61.5 | 0.9 | 17.4 | 54.2 | 1.2 | 5.7 | 0.0 | 13.3 | 77.2 | 32.6 |
| REX SOLE | 13.9 | 221.0 | 16.0 | 21.2 | 1.7 | 25.3 | 51.8 | 0.4 | 47.0 | 10.9 | 92.4 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.6 | 27.1 | 25.2 | 0.0 | 7.1 | 37.6 | 3.1 | 46.0 | 0.0 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 10.0 | 0.9 | 0.0 | 0.0 | 0.0 | 49.1 | 0.9 | 1.2 | 11.9 | 0.0 | 205.7 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 9.9 | 0.0 | 0.0 | 0.0 | 503.8 | 3.1 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 38.4 | 0.0 | 0.0 | 0.0 | 0.0 | 210.7 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 997.6 | 37.5 | 2058.6 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 10.8 | 4.8 | 0.0 | 121.5 | 9.3 | 587.9 | 2.3 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 0.0 | 0.0 | 0.0 | 0.0 | 710.4 | 9.4 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 77.7 | 132.7 | 1986.1 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 | 4.9 | 0.0 | 0.0 | 0.0 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 1218.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.0 | 5.6 | 0.3 | 7.7 | 0.0 | 1.3 | 1.7 | 7.1 | 6.0 | 36.2 | 0.2 |
| SKATES | 39.5 | 18.1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 | 3.6 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 | 176 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/26/87 | 6/26/87 | 6/26/87 | 6/26/87 | 6/27/87 | 6/27/87 | 6/27/87 | 6/27/87 | 6/27/87 | 6/28/87 | 6/28/87 |
| LATITUDE START | 57 55.1 | 57 50.6 | 57 46.1 | 57 36.8 | 57 31.5 | 57 26.6 | 57 23.2 | 57 17.0 | 57 13.2 | 57 29.5 | 57 38.9 |
| LONGITUDE START | 149 50.8 | 150 9.0 | 150 9.7 | 150 3.2 | 150 3.1 | 150 10.6 | 150 26.3 | 150 46.2 | 150 58.6 | 150 24.6 | 150 35.7 |
| LATITUDE END | 57 55.9 | 57 48.7 | 57 43.9 | 57 35.2 | 57 30.1 | 57 24.4 | 57 23.6 | 57 15.2 | 57 13.1 | 57 31.3 | 57 40.4 |
| LONGITUDE END | 149 54.9 | 150 10.6 | 150 9.0 | 150 6.0 | 150 5.9 | 150 10.1 | 150 28.7 | 150 48.7 | 151 2.7 | 150 22.6 | 150 38.1 |
| LORAN START | 11951.90 | 11832.00 | 11796.50 | 11767.70 | 11736.30 | 11671.80 | 11586.80 | 11448.80 | 11372.80 | 11618.40 | 11620.80 |
| LORAN START | 31167.00 | 31169.50 | 31144.30 | 31079.40 | 31048.00 | 31032.70 | 31052.10 | 31039.80 | 31039.80 | 31073.30 | 31145.60 |
| LORAN END | 11938.40 | 11810.50 | 11785.60 | 11743.70 | 11714.70 | 11663.30 | 11566.60 | 11429.30 | 11352.10 | 11638.80 | 11618.60 |
| LORAN END | 31178.20 | 31161.10 | 31130.70 | 31074.60 | 31045.00 | 31019.50 | 31046.80 | 31033.80 | 31045.70 | 31080.60 | 31157.70 |
| GEAR DEPTH | 139 | 104 | 97 | 191 | 284 | 328 | 153 | 98 | 98 | 104 | 50 |
| 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 | 2.28 | 2.08 | 2.15 | 2.25 | 2.04 | 2.16 | 2.09 | 2.26 | 2.24 | 2.15 | 1.94 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 153.4 | 81.8 | 4.6 | 0.0 | 0.0 | 1.4 | 18.7 | 434.1 | 22326.8 | 240.1 | 0.0 |
| PACIFIC COD | 55.4 | 43.7 | 81.1 | 1.8 | 0.0 | 0.0 | 77.9 | 30.4 | 1004.0 | 32.9 | 362.0 |
| SABLEFISH | 237.0 | 75.5 | 151.1 | 483.0 | 513.2 | 327.8 | 956.5 | 822.9 | 6142.4 | 164.2 | 0.0 |
| ARROWTOOTH FL | 135.6 | 1462.8 | 2879.8 | 13.6 | 9.9 | 6.5 | 108.4 | 70.5 | 753.4 | 218.5 | 93.6 |
| HALIBUT | 105.8 | 89.6 | 95.8 | 3.4 | 0.0 | 0.0 | 147.8 | 54.8 | 625.3 | 67.2 | 250.3 |
| FLATHEAD SOLE | 6.7 | 100.3 | 68.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32.9 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.5 | 0.7 |
| DOVER SOLE | 42.9 | 54.5 | 192.6 | 25.2 | 43.1 | 48.6 | 150.3 | 27.9 | 74.2 | 120.6 | 0.0 |
| REX SOLE | 224.2 | 328.6 | 350.4 | 11.6 | 5.5 | 3.3 | 49.4 | 13.7 | 28.3 | 187.7 | 0.0 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 88.9 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 71.6 | 7.4 | 0.0 | 5.7 | 0.0 | 0.0 | 64.9 | 294.3 | 8180.7 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 145.9 | 0.0 | 0.0 | 5.1 | 0.7 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 73.8 | 0.7 | 0.0 | 114.3 | 35.5 | 56.2 | 85.3 | 1.7 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 2.8 | 113.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5 | 798.5 | 0.0 | 2.9 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 214.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 5.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 177.0 | 421.9 | 87.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.0 | 11.2 | 16.8 | 0.9 | 0.0 | 0.0 | 13.5 | 0.0 | 0.0 | 0.0 | 9.8 |
| SKATES | 2.5 | 0.0 | 11.3 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 33 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/28/87 | 6/28/87 | 6/30/87 | 6/30/87 | 6/30/87 | 7/ 1/87 | 7/ 1/87 | 7/ 1/87 | 7/ 1/87 | 7/ 1/87 | 7/ 1/87 |
| LATITUDE START | 57 44.1 | 57 35.7 | 56 26.8 | 57 5.9 | 57 7.1 | 57 7.0 | 57 5.7 | 57 6.6 | 57 6.6 | 57 6.2 | 57 5.5 |
| LONGITUDE START | 150 45.2 | 150 54.0 | 152 29.2 | 152 44.2 | 152 44.5 | 152 42.7 | 152 43.3 | 152 40.8 | 152 44.5 | 152 43.9 | 152 42.0 |
| LATITUDE END | 57 45.1 | 57 34.6 | 56 28.8 | 57 6.8 | 57 8.0 | 57 7.8 | 57 6.6 | 57 7.6 | 57 8.5 | 57 7.2 | 57 6.4 |
| LONGITUDE END | 150 49.1 | 150 57.9 | 152 30.7 | 152 43.9 | 152 43.6 | 152 41.6 | 152 42.3 | 152 40.0 | 152 46.0 | 152 43.1 | 152 41.0 |
| LORAN START | 11610.00 | 11508.60 | 11046.80 | 32474.80 | 32470.20 | 32468.10 | 32474.60 | 32467.00 | 32472.40 | 32473.10 | 32473.60 |
| LORAN START | 31190.30 | 31156.30 | 30950.90 | 43205.10 | 43201.50 | 43192.70 | 43201.60 | 43185.30 | 43203.50 | 43202.10 | 43196.10 |
| LORAN END | 11597.50 | 11481.90 | 11042.70 | 32470.60 | 32465.10 | 32462.90 | 32469.20 | 32461.80 | 32466.30 | 32467.70 | 32468.20 |
| LORAN END | 31201.70 | 31156.50 | 30963.10 | 43199.70 | 43192.80 | 43183.40 | 43192.50 | 43176.80 | 43203.00 | 43193.70 | 43187.20 |
| GEAR DEPTH | 44 | 44 | 163 | 80 | 78 | 80 | 82 | 83 | 78 | 79 | 83 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| DISTANCE FISHED | 2.31 | 2.39 | 2.17 | 0.89 | 1.01 | 1.03 | 1.07 | 1.03 | 2.09 | 1.08 | 1.07 |
| PERFORMANCE / GEAR | 1 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 0.0 | 0.0 | 2.7 | 205.8 | 257.7 | 276.5 | 191.0 | 286.2 | 396.0 | 382.5 | 300.6 |
| PACIFIC COD | 731.9 | 90.7 | 0.0 | 33.2 | 15.0 | 85.8 | 70.5 | 74.0 | 63.2 | 76.0 | 72.0 |
| SABLEFISH | 0.0 | 0.0 | 912.4 | 2.7 | 12.3 | 3.5 | 5.3 | 0.0 | 0.4 | 7.4 | 5.4 |
| ARROWTOOTH FL. | 72.5 | 3.5 | 45.2 | 352.4 | 468.7 | 579.9 | 466.7 | 898.0 | 586.8 | 447.6 | 719.9 |
| HALIBUT | 473.1 | 712.9 | 86.2 | 0.0 | 17.0 | 13.0 | 1.8 | 14.2 | 8.0 | 0.0 | 39.0 |
| FLATHEAD SOLE | 0.0 | 0.0 | 1.0 | 122.7 | 126.5 | 158.3 | 177.9 | 154.4 | 192.0 | 161.6 | 185.3 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 89.8 | 0.0 | 0.0 | 1.0 | 0.0 | 5.3 | 2.5 | 1.2 | 0.4 |
| REX SOLE | 0.0 | 0.0 | 55.0 | 4.4 | 6.4 | 2.1 | 1.5 | 0.0 | 6.2 | 1.5 | 3.2 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 51.0 | 76.4 | 0.0 | 0.8 | 1.5 | 0.0 | 0.0 | 0.6 | 2.2 | 1.0 | 0.3 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 26.6 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.5 | 2.4 |
| THORNYHEADS | 0.0 | 0.0 | 102.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 23.0 | 4.2 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 25.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 34.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 13.6 | 5.4 | 12.9 | 0.0 | 4.0 | 1.3 | 1.6 | 0.0 | 6.8 | 1.8 | 5.3 |
| SKATES | 45.7 | 0.0 | 0.0 | 0.0 | 7.1 | 0.0 | 0.0 | 2.5 | 20.0 | 10.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 5.4 | 6.9 | 1.9 | 3.5 | 2.1 | 2.0 | 1.4 | 8.9 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/ 1/87 | 7/ 1/87 | 7/ 2/87 | 7/ 2/87 | 7/ 2/87 | 7/ 2/87 | 7/ 2/87 | 7/ 2/87 | 7/ 2/87 | 7/ 2/87 | 7/ 2/87 |
| LATITUDE START | 57 5.8 | 57 6.5 | 57 6.4 | 57 6.2 | 56 48.9 | 56 48.6 | 56 48.5 | 56 49.4 | 56 49.6 | 56 50.5 | 56 48.9 |
| LONGITUDE START | 152 42.2 | 152 45.0 | 152 44.5 | 152 42.8 | 152 8.5 | 152 7.8 | 152 5.4 | 152 9.4 | 152 7.4 | 152 9.3 | 152 10.3 |
| LATITUDE END | 57 6.9 | 57 7.4 | 57 7.3 | 57 7.3 | 56 49.9 | 56 49.1 | 56 48.8 | 56 49.9 | 56 50.1 | 56 51.0 | 56 49.3 |
| LONGITUDE END | 152 41.3 | 152 43.8 | 152 43.4 | 152 41.9 | 152 7.4 | 152 10.0 | 152 7.5 | 152 11.7 | 152 9.4 | 152 11.6 | 152 12.4 |
| LORAN START | 32472.50 | 32473.50 | 32473.20 | 32471.50 | 11067.30 | 11068.80 | 11075.40 | 11064.60 | 11069.60 | 11064.10 | 11062.90 |
| LORAN START | 43195.80 | 43206.40 | 43204.30 | 43196.50 | 31027.10 | 31025.00 | 31019.70 | 31031.10 | 31028.50 | 31036.40 | 31029.90 |
| LORAN END | 32466.80 | 32467.90 | 32468.00 | 32465.90 | 11069.30 | 11063.50 | 11069.90 | 11059.00 | 11064.20 | 11058.30 | 11057.80 |
| LORAN END | 43186.70 | 43196.50 | 43195.00 | 43187.60 | 31030.20 | 31030.30 | 31024.70 | 31036.80 | 31034.40 | 31042.30 | 31035.10 |
| GEAR DEPTH | 83 | 79 | 80 | 82 | 53 | 54 | 52 | 53 | 53 | 51 | 55 |
| DURATION IN HOURS | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| DISTANCE FISHED | 1.13 | 1.11 | 1.03 | 1.11 | 1.15 | 1.20 | 1.19 | 1.29 | 1.23 | 1.33 | 1.20 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 115.0 | 360.1 | 113.0 | 168.5 | 0.8 | 0.0 | 3.9 | 6.0 | 7.8 | 0.0 | 94.7 |
| PACIFIC COD | 71.0 | 18.0 | 256.0 | 66.5 | 17.8 | 52.0 | 1144.4 | 160.7 | 2931.9 | 178.5 | 53.5 |
| SABLEFISH | 6.8 | 1.3 | 7.5 | 9.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 595.1 | 519.1 | 374.8 | 464.7 | 29.7 | 64.2 | 370.3 | 100.5 | 310.7 | 192.7 | 176.6 |
| HALIBUT | 12.5 | 0.0 | 0.0 | 49.8 | 29.4 | 38.6 | 31.4 | 28.6 | 53.1 | 78.1 | 1.0 |
| FLATHEAD SOLE | 222.8 | 120.1 | 142.5 | 220.7 | 0.8 | 4.5 | 9.2 | 1.7 | 3.7 | 2.1 | 4.2 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 |
| DOVER SOLE | 3.1 | 5.8 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 |
| REX SOLE | 1.8 | 13.5 | 3.2 | 1.4 | 0.7 | 2.7 | 0.8 | 2.7 | 1.1 | 0.2 | 11.0 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.3 | 0.5 | 0.0 | 0.0 | 2.5 | 3.9 | 23.1 | 7.1 | 19.3 | 22.5 | 4.8 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 1.4 | 0.3 | 2.9 | 0.5 | 0.2 | 0.0 |
| ROUGHEYE RKFH | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 483.3 | 137.3 | 10.7 | 24.6 | 56.0 | 10.3 | 3.5 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.6 | 0.0 | 39.0 | 22.5 | 1.9 | 0.9 | 0.8 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 13.8 | 15.6 | 16.1 | 2.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |
| SKATES | 0.0 | 0.0 | 9.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 5.4 | 1.3 | 21.7 | 12.6 | 0.7 | 0.9 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/ 3/87 | 7/ 3/87 | 7/ 3/87 | 7/ 3/87 | 7/ 3/87 | 7/ 4/87 | 7/ 4/87 | 7/ 4/87 | 7/ 5/87 | 7/ 5/87 | 7/ 5/87 |
| LATITUDE START | 56 49.3 | 56 49.7 | 56 26.3 | 56 38.6 | 56 28.4 | 57 6.3 | 57 18.2 | 57 18.1 | 57 19.7 | 57 20.5 | 57 18.4 |
| LONGITUDE START | 152 9.8 | 152 7.8 | 152 51.2 | 152 34.6 | 152 11.7 | 152 6.9 | 152 14.1 | 152 32.4 | 152 30.9 | 152 27.7 | 152 30.1 |
| LATITUDE END | 56 49.8 | 56 50.1 | 56 28.4 | 56 37.0 | 56 27.8 | 57 6.8 | 57 17.6 | 57 19.1 | 57 20.3 | 57 20.8 | 57 19.1 |
| LONGITUDE END | 152 11.9 | 152 9.9 | 152 51.7 | 152 31.6 | 152 15.4 | 152 9.1 | 152 16.3 | 152 31.5 | 152 29.8 | 152 28.2 | 152 29.0 |
| LORAN START | 11063.80 | 11068.30 | 11019.70 | 11028.50 | 11077.10 | 11059.30 | 11030.60 | | | | |
| LORAN START | 31031.00 | 31029.90 | 30984.60 | 31017.30 | 30929.70 | 31113.60 | 31185.50 | | | | |
| LORAN END | 11058.60 | 11063.00 | 11017.70 | 11034.10 | 11070.20 | 11052.20 | 11023.70 | | | | |
| LORAN END | 31036.70 | 31035.10 | 30995.40 | 31004.90 | 30933.00 | 31119.20 | 31186.00 | | | | |
| GEAR DEPTH | 55 | 53 | 28 | 90 | 107 | 45 | 37 | 55 | 52 | 48 | 55 |
| DURATION IN HOURS | 0.25 | 0.25 | 0.50 | 0.50 | 0.50 | 0.25 | 0.25 | 0.25 | 0.17 | 0.17 | 0.17 |
| DISTANCE FISHED | 1.22 | 1.19 | 2.10 | 2.27 | 2.11 | 1.30 | 1.33 | 1.14 | 0.82 | 0.70 | 0.80 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 5.8 | 6.3 | 0.0 | 239.0 | 4.1 | 0.0 | 0.0 | 1081.8 | 894.1 | 0.0 | 5783.8 |
| PACIFIC COD | 211.6 | 1997.5 | 7.8 | 145.8 | 27.2 | 51.0 | 25.5 | 31.0 | 85.9 | 44.0 | 47.5 |
| SABLEFISH | 0.0 | 0.0 | 0.0 | 56.3 | 300.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 155.8 | 119.0 | 0.0 | 380.1 | 94.1 | 0.4 | 0.0 | 184.2 | 216.0 | 266.6 | 279.0 |
| HALIBUT | 26.4 | 76.4 | 900.5 | 86.9 | 109.8 | 146.8 | 17.7 | 4.3 | 15.3 | 81.9 | 183.1 |
| FLATHEAD SOLE | 2.3 | 6.2 | 0.0 | 63.5 | 0.5 | 0.3 | 0.0 | 484.5 | 188.4 | 84.8 | 250.3 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 38.5 | 1.3 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 33.5 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REX SOLE | 2.3 | 0.7 | 0.0 | 552.7 | 7.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 | 0.3 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.0 | 23.5 | 67.2 | 16.2 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 12.4 | 15.7 | 11.5 |
| ROCK SOLE | 3.9 | 22.0 | 3.2 | 0.7 | 0.0 | 59.0 | 57.5 | 107.2 | 7.3 | 40.9 | 47.5 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.8 | 6.4 | 15.6 | 1.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 |
| PAC OC PERCH | 1.2 | 1.2 | 0.0 | 0.0 | 323.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 1.6 | 7.2 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 22.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 26.0 | 232.1 | 0.9 | 0.6 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.7 | 13.3 | 0.0 | 7.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.4 | 2.7 | 0.0 | 13.8 | 4.8 | 0.0 | 7.3 | 9.0 | 1.7 | 2.6 | 33.6 |
| SKATES | 0.0 | 6.4 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5 | 64.2 | 11.0 | 76.0 | 7.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | 7.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 1.4 | 0.0 | 5.8 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/ 5/87 | 7/ 5/87 | 7/ 5/87 | 7/ 6/87 | 7/ 6/87 | 7/ 6/87 | 7/ 6/87 | 7/ 6/87 | 7/ 6/87 | 7/ 7/87 | 7/ 7/87 |
| LATITUDE START | 57 18.1 | 57 17.9 | 57 17.7 | 57 33.0 | 57 32.9 | 57 33.2 | 57 33.4 | 57 33.3 | 57 31.6 | 57 33.0 | 57 34.0 |
| LONGITUDE START | 152 31.4 | 152 32.6 | 152 32.8 | 150 16.6 | 150 14.8 | 150 15.0 | 150 16.5 | 150 17.3 | 150 16.3 | 150 15.3 | 150 14.7 |
| LATITUDE END | 57 18.6 | 57 18.5 | 57 18.3 | 57 32.2 | 57 32.0 | 57 32.5 | 57 32.4 | 57 31.4 | 57 30.0 | 57 31.3 | 57 32.3 |
| LONGITUDE END | 152 31.4 | 152 31.6 | 152 31.6 | 150 18.2 | 150 16.2 | 150 16.4 | 150 18.0 | 150 19.7 | 150 19.3 | 150 18.1 | 150 17.6 |
| LORAN START | | | | 11678.40 | | | 11681.10 | 11677.20 | 11671.50 | 11684.50 | 11693.70 |
| LORAN START | | | | 31079.60 | | | 31081.90 | 31083.00 | 31071.30 | 31077.70 | 31082.60 |
| LORAN END | | | | 11665.70 | | | 11668.30 | 11653.60 | 11647.70 | 11661.50 | 11669.60 |
| LORAN END | | | | 31077.80 | | | 31079.10 | 31076.00 | 31067.30 | 31072.80 | 31077.80 |
| GEAR DEPTH | 56 | 56 | 56 | 128 | 145 | 139 | 124 | 120 | 156 | 141 | 131 |
| DURATION IN HOURS | 0.17 | 0.17 | 0.17 | 0.25 | 0.25 | 0.25 | 0.25 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 0.80 | 0.80 | 0.84 | 1.18 | 1.20 | 1.20 | 1.22 | 2.36 | 2.25 | 2.20 | 2.28 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 2252.0 | 6993.7 | 2776.6 | 72.2 | 6.9 | 19.9 | 187.5 | 392.1 | 16.7 | 74.0 | 141.5 |
| PACIFIC COD | 12.4 | 13.8 | 34.3 | 14.2 | 4.8 | 13.6 | 14.9 | 36.0 | 17.5 | 34.0 | 41.5 |
| SABLEFISH | 0.0. | 0.0 | 0.0 | 95.9 | 252.7 | 169.5 | 10.9 | 21.5 | 655.4 | 88.8 | 64.0 |
| ARROWTOOTH FL | 196.5 | 252.1 | 156.7 | 53.7 | 59.2 | 59.0 | 54.5 | 124.0 | 52.4 | 89.5 | 175.3 |
| HALIBUT | 0.0 | 8.3 | 0.0 | 47.6 | 39.6 | 87.6 | 72.9 | 76.4 | 56.5 | 172.8 | 98.6 |
| FLATHEAD SOLE | 313.2 | 381.3 | 345.3 | 5.2 | 0.3 | 0.2 | 3.2 | 10.3 | 0.0 | 1.1 | 5.2 |
| ENGLISH SOLE | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 16.2 | 18.0 | 22.6 | 9.5 | 12.5 | 62.6 | 13.1 | 4.5 |
| REX SOLE | 0.2 | 0.3 | 0.9 | 20.4 | 16.8 | 33.0 | 49.2 | 92.5 | 20.6 | 23.0 | 52.8 |
| YELLOWFIN SOLE | 3.9 | 24.2 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 4.5 | 2.6 | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 9.2 | 31.2 | 13.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BUTTER SOLE | 1.4 | 2.3 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 4.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 72.0 | 114.4 | 117.5 | 49.1 | 10.5 | 174.0 | 212.6 | 148.5 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.7 | 1.2 | 1.0 | 1.1 | 0.0 | 0.0 | 33.2 | 11.5 | 3.8 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 42.4 | 57.0 | 67.8 | 37.5 | 18.5 | 81.0 | 66.5 | 53.3 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 2.4 | 0.0 | 0.0 | 1.1 | 1.3 | 0.5 | 0.0 | 0.7 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 | 2.2 | 2.1 | 0.0 | 0.0 | 0.0 | 2.7 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25.3 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 4.2 | 6.1 | 6.7 | 10.1 | 0.0 | 0.0 | 6.9 | 20.7 | 0.0 | 6.4 | 7.4 |
| SKATES | 115.1 | 78.6 | 77.0 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 2.5 | 2.7 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 6.8 | 6.1 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/ 7/87 | 7/ 7/87 | 7/ 7/87 | 7/ 7/87 | 7/ 7/87 | 7/ 8/87 | 7/ 8/87 | 7/ 8/87 | 7/ 8/87 | 7/15/87 | 7/15/87 |
| LATITUDE START | 57 27.8 | 57 29.6 | 57 30.3 | 57 29.6 | 57 29.1 | 57 30.6 | 57 30.9 | 58 6.2 | 58 43.9 | 59 49.6 | 59 39.8 |
| LONGITUDE START | 150 21.0 | 150 18.4 | 150 19.5 | 150 19.9 | 150 20.3 | 150 16.7 | 150 19.0 | 148 47.0 | 148 33.5 | 148 50.1 | 149 19.8 |
| LATITUDE END | 57 26.5 | 57 28.5 | 57 29.2 | 57 28.6 | 57 27.9 | 57 29.4 | 57 29.6 | 58 3.8 | 58 46.2 | 59 47.5 | 59 39.1 |
| LONGITUDE END | 150 20.0 | 150 16.6 | 150 17.3 | 150 17.4 | 150 18.2 | 150 14.9 | 150 17.2 | 148 47.7 | 148 34.1 | 148 51.6 | 149 15.5 |
| LORAN START | 11627.10 | 11630.10 | 11648.40 | 11642.40 | 11637.40 | 11664.00 | 11654.70 | 12332.60 | 12696.80 | 13242.10 | 13032.30 |
| LORAN START | 31057.60 | 31063.60 | 31069.40 | 31065.90 | 31063.50 | 31066.20 | 31072.10 | 31126.20 | 31350.30 | 31819.30 | 31786.40 |
| LORAN END | 11625.30 | 11632.60 | 11653.20 | 11649.10 | 11641.50 | 11666.20 | 11655.80 | 12311.40 | 12714.00 | 13215.70 | 13042.00 |
| LORAN END | 31048.60 | 31053.90 | 31059.30 | 31055.80 | 31053.30 | 31056.60 | 31061.60 | 31111.90 | 31366.80 | 31806.50 | 31777.00 |
| GEAR DEPTH | 186 | 180 | 164 | 175 | 175 | 175 | 164 | 191 | 145 | 103 | 118 |
| DURATION IN HOURS | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.67 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 1.39 | 1.51 | 1.63 | 1.69 | 1.62 | 1.49 | 1.62 | 2.47 | 2.34 | 2.25 | 2.31 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 0.0 | 4.5 | 106.6 | 26.5 | 44.5 | 1.4 | 90.0 | 0.0 | 1.7 | 29.0 | 55.1 |
| PACIFIC COD | 0.0 | 0.0 | 5.6 | 8.5 | 0.0 | 0.0 | 14.0 | 20.0 | 15.7 | 41.2 | 37.8 |
| SABLEFISH | 1124.3 | 570.2 | 372.0 | 326.0 | 191.7 | 477.2 | 139.5 | 418.2 | 415.5 | 22.0 | 81.0 |
| ARROWTOOTH FL. | 7.6 | 17.0 | 35.5 | 53.0 | 32.5 | 23.0 | 69.8 | 123.2 | 23.2 | 372.5 | 149.1 |
| HALIBUT | 0.0 | 0.0 | 19.3 | 0.0 | 0.0 | 50.3 | 0.0 | 48.0 | 0.0 | 0.0 | 57.6 |
| FLATHEAD SOLE | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 1.3 | 0.0 | 0.8 | 101.5 | 46.8 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 64.6 | 28.0 | 31.5 | 59.5 | 34.8 | 38.8 | 36.4 | 22.5 | 6.1 | 4.7 | 1.3 |
| REX SOLE | 16.4 | 29.5 | 40.0 | 55.4 | 46.3 | 17.0 | 56.8 | 0.0 | 26.0 | 2.6 | 1.2 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 2.5 | 9.9 | 105.0 | 77.5 | 41.7 | 27.5 | 71.0 | 10.0 | 29.9 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 45.8 | 41.6 | 82.8 | 101.2 | 70.1 | 92.0 | 33.9 | 306.2 | 8.6 | 0.0 | 0.0 |
| THORNYHEADS | 38.0 | 44.5 | 60.3 | 61.6 | 34.0 | 33.5 | 75.3 | 84.1 | 59.3 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.5 | 0.0 | 0.6 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 61.0 | 83.0 | 71.0 | 47.0 | 38.0 | 35.0 | 21.0 | 2911.7 | 0.0 | 17.5 | 18.2 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 224.6 | 9.5 | 7.4 | 27.5 | 91.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 51.8 | 0.4 | 10.5 | 2.9 |
| SKATES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 3.5 | 0.0 | 2.8 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.3 | 0.8 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/15/87 | 7/15/87 | 7/16/87 | 7/16/87 | 7/16/87 | 7/16/87 | 7/16/87 | 7/17/87 | 7/17/87 | 7/17/87 | 7/17/87 |
| LATITUDE START | 59 34.8 | 59 34.5 | 59 49.3 | 59 34.6 | 59 24.8 | 59 24.1 | 59 37.1 | 59 13.4 | 59 14.0 | 59 13.5 | 59 12.1 |
| LONGITUDE START | 148 51.7 | 148 22.8 | 148 9.7 | 147 53.1 | 148 10.4 | 147 44.1 | 147 24.1 | 147 13.8 | 147 53.4 | 147 30.6 | 147 27.4 |
| LATITUDE END | 59 34.9 | 59 34.3 | 59 49.0 | 59 33.0 | 59 23.7 | 59 24.6 | 59 39.0 | 59 13.7 | 59 14.2 | 59 13.8 | 59 10.7 |
| LONGITUDE END | 148 47.7 | 148 18.6 | 148 13.6 | 147 50.0 | 148 14.2 | 147 40.3 | 147 21.3 | 147 17.8 | 147 49.1 | 147 26.6 | 147 31.1 |
| LORAN START | 13091.20 | 13202.80 | 13396.50 | 13322.10 | 13161.40 | 13261.70 | 13461.90 | 13289.00 | 13132.20 | 13221.30 | 13222.00 |
| LORAN START | 31720.00 | 31681.80 | 31770.00 | 31642.60 | 31597.10 | 31554.20 | 31619.80 | 31427.90 | 31495.80 | 31456.40 | 31440.70 |
| LORAN END | 13108.80 | 13218.30 | 13378.30 | 13320.10 | 13136.10 | 13281.60 | 13490.00 | 13275.30 | 13151.20 | 13239.70 | 13194.00 |
| LORAN END | 31716.40 | 31675.20 | 31772.60 | 31627.10 | 31594.70 | 31552.00 | 31629.40 | 31436.70 | 31490.20 | 31451.70 | 31436.50 |
| GEAR DEPTH | 82 | 107 | 66 | 59 | 107 | 61 | 71 | 98 | 104 | 104 | 191 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.45 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 2.05 | 2.17 | 1.99 | 2.21 | 2.20 | 2.01 | 2.32 | 2.07 | 2.22 | 2.05 | 2.40 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 1 /717 | 0 /717 | 1 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 2.9 | 83.9 | 20.9 | 12.6 | 7.4 | 2.3 | 10.3 | 4.4 | 6.5 | 2.2 | 0.0 |
| PACIFIC COD | 1.9 | 18.5 | 6.0 | 1.6 | 6.3 | 9.7 | 9.5 | 46.0 | 69.8 | 145.6 | 0.0 |
| SABLEFISH | 16.5 | 56.5 | 4.5 | 14.5 | 123.8 | 3.4 | 15.5 | 39.7 | 18.5 | 147.7 | 241.4 |
| ARROWTOOTH FL. | 920.4 | 182.4 | 344.8 | 109.2 | 75.5 | 138.4 | 443.0 | 32.3 | 61.5 | 42.6 | 36.6 |
| HALIBUT | 0.0 | 0.0 | 1.6 | 12.0 | 30.4 | 0.0 | 64.8 | 82.4 | 10.3 | 249.3 | 3.6 |
| FLATHEAD SOLE | 246.4 | 68.5 | 70.7 | 14.6 | 5.9 | 3.9 | 90.4 | 0.2 | 4.8 | 2.5 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 25.0 | 7.9 | 6.0 | 3.1 | 1.0 | 0.4 | 4.4 | 4.4 | 16.3 | 17.5 | 27.6 |
| REX SOLE | 16.3 | 8.8 | 10.7 | 0.7 | 1.4 | 9.4 | 11.8 | 8.4 | 4.9 | 34.5 | 29.7 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 7.9 | 646.5 | 96.1 | 179.8 | 3.4 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 2.5 | 0.0 | 1.8 | 0.0 | 15.3 | 3.2 | 41.0 | 11.7 | 102.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 1.4 | 6.9 | 21.7 | 60.3 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.9 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 23.1 | 0.0 | 1.2 | 0.0 |
| SHORTRAKER RF | 8.4 | 4.1 | 0.0 | 0.0 | 4.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 721.3 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 906.8 |
| SCULPINS | 6.3 | 0.0 | 0.8 | 0.0 | 3.6 | 1.5 | 0.0 | 3.2 | 4.4 | 7.2 | 6.3 |
| SKATES | 5.4 | 12.5 | 0.0 | 7.0 | 0.0 | 0.0 | 3.4 | 1.3 | 2.6 | 4.8 | 0.0 |
| SPINY DOGFISH | 5.4 | 0.0 | 0.0 | 7.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.5 | 0.2 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/17/87 | 7/18/87 | 7/18/87 | 7/18/87 | 7/18/87 | 7/19/87 | 7/19/87 | 7/19/87 | 7/19/87 | 7/19/87 | 7/20/87 |
| LATITUDE START | 58 59.0 | 58 58.0 | 58 40.1 | 58 33.0 | 58 26.9 | 58 4.8 | 58 25.2 | 58 24.9 | 58 24.9 | 58 39.5 | 58 34.8 |
| LONGITUDE START | 147 45.4 | 147 57.0 | 148 15.6 | 148 29.6 | 148 28.7 | 148 47.8 | 149 41.3 | 149 23.6 | 149 4.7 | 148 52.9 | 149 0.0 |
| LATITUDE END | 58 58.6 | 58 56.5 | 58 38.6 | 58 30.7 | 58 25.3 | 58 2.9 | 58 25.3 | 58 24.9 | 58 25.1 | 58 41.7 | 58 35.0 |
| LONGITUDE END | 147 49.0 | 147 59.9 | 148 18.5 | 148 30.8 | 148 26.5 | 148 49.2 | 149 37.0 | 149 18.9 | 149 0.4 | 148 50.9 | 149 4.6 |
| LORAN START | 13032.30 | 12974.80 | 12742.50 | 12621.10 | 12575.80 | 12318.50 | 12238.60 | 12314.70 | 12399.00 | 12575.10 | 12503.50 |
| LORAN START | 31376.10 | 31388.20 | 31295.80 | 31271.00 | 31229.10 | 31118.60 | 31335.50 | 31306.50 | 31276.40 | 31352.50 | 31332.50 |
| LORAN END | 13013.70 | 12949.50 | 12717.30 | 12597.70 | 12572.50 | 12297.90 | 12258.70 | 12335.90 | 12420.40 | 12062.80 | 12485.40 |
| LORAN END | 31379.40 | 31382.40 | 31290.40 | 31258.20 | 31214.60 | 31108.90 | 31329.50 | 31299.20 | 31270.70 | 31363.20 | 31341.30 |
| GEAR DEPTH | 394 | 282 | 189 | 87 | 355 | 159 | 86 | 79 | 63 | 101 | 63 |
| 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 | 1.92 | 2.13 | 2.14 | 2.30 | 1.99 | 2.07 | 2.29 | 2.48 | 2.31 | 2.40 | 2.42 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 1 /717 | 0 /717 | 0 /717 | 1 /717 | 0 /717 | 0 /717 |
| POLLOCK | 0.0 | 0.0 | 0.0 | 8.1 | 0.0 | 3.4 | 122.0 | 712.1 | 2.2 | 9.9 | 0.0 |
| PACIFIC COD | 0.0 | 0.0 | 2.4 | 77.7 | 0.0 | 3.4 | 69.9 | 320.3 | 129.1 | 38.0 | 84.1 |
| SABLEFISH | 135.4 | 658.8 | 119.2 | 0.0 | 1530.6 | 63.0 | 818.2 | 189.9 | 3.0 | 346.5 | 0.0 |
| ARROWTOOTH FL. | 0.0 | 0.0 | 8.4 | 46.4 | 15.5 | 63.6 | 1393.8 | 625.2 | 4.5 | 465.6 | 441.2 |
| HALIBUT | 0.0 | 0.0 | 0.0 | 417.0 | 11.8 | 99.5 | 134.7 | 66.4 | 37.0 | 1.0 | 76.4 |
| FLATHEAD SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 171.6 | 57.0 | 26.5 | 15.7 | 67.8 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 22.6 | 48.4 | 11.3 | 6.4 | 47.2 | 19.5 | 162.1 | 31.5 | 0.0 | 3.6 | 0.8 |
| REX SOLE | 0.8 | 1.5 | 0.8 | 0.0 | 0.7 | 0.8 | 155.0 | 195.3 | 1.6 | 134.7 | 15.3 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 3.2 | 6.4 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 6.4 | 429.8 | 1.3 | 10.0 | 0.0 | 0.0 | 2.9 | 890.5 | 1.2 |
| ROUGHEYE RKFH | 8.0 | 0.0 | 667.2 | 31.3 | 240.1 | 219.7 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| THORNYHEADS | 18.9 | 21.5 | 43.0 | 0.0 | 100.6 | 69.2 | 0.0 | 0.0 | 0.0 | 11.4 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 5375.9 | 2.3 | 0.0 | 0.0 | 0.0 | 427.0 | 81.1 | 1089.8 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 4457.7 | 0.0 | 0.0 | 0.0 | 0.0 | 29.1 | 5.4 | 59.8 |
| SHORTRAKER RF | 0.0 | 10.3 | 196.5 | 0.0 | 525.8 | 598.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 338.7 | 0.0 | 0.0 | 0.0 | 0.0 | 12.2 | 0.0 | 10.4 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 597.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 425.4 | 633.0 | 0.0 | 0.0 | 527.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.0 | 0.0 | 30.6 | 4.6 | 1.8 | 87.8 | 0.0 | 6.4 | 0.0 | 0.0 | 1.4 |
| SKATES | 5.4 | 2.9 | 0.8 | 2.3 | 5.4 | 0.0 | 0.0 | 1.5 | 3.2 | 0.0 | 2.5 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 4.5 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/20/87 | 7/20/87 | 7/20/87 | 7/20/87 | 7/20/87 | 7/21/87 | 7/21/87 | 7/21/87 | 7/21/87 | 7/21/87 | 7/21/87 |
| LATITUDE START | 58 34.9 | 58 35.0 | 58 39.5 | 58 36.1 | 58 34.9 | 58 39.5 | 58 44.5 | 58 44.9 | 58 49.1 | 59 3.7 | 59 9.3 |
| LONGITUDE START | 149 19.7 | 149 39.7 | 149 48.9 | 149 58.6 | 150 7.2 | 148 41.7 | 149 0.8 | 149 10.6 | 149 21.1 | 149 21.6 | 149 12.3 |
| LATITUDE END | 58 35.0 | 58 35.5 | 58 40.6 | 58 34.4 | 58 35.1 | 58 39.6 | 58 45.4 | 58 45.2 | 58 51.5 | 59 5.9 | 59 11.2 |
| LONGITUDE END | 149 24.2 | 149 44.3 | 149 52.7 | 150 1.3 | 150 11.1 | 148 46.0 | 149 4.4 | 149 14.8 | 149 21.5 | 149 20.6 | 149 9.1 |
| LORAN START | 12418.60 | 12332.90 | 12335.10 | 12262.40 | 12215.80 | 12623.30 | 12584.50 | 12546.00 | 12540.20 | 12674.50 | 12765.80 |
| LORAN START | 31363.90 | 31394.70 | 31436.20 | 31428.70 | 31433.70 | 31334.40 | 31396.90 | 31414.20 | 31457.20 | 31552.20 | 31576.50 |
| LORAN END | 12400.00 | 12317.50 | 12329.00 | 12235.30 | 12201.10 | 12606.00 | 12577.20 | 12531.50 | 12560.40 | 12699.30 | 12796.00 |
| LORAN END | 31371.60 | 31404.10 | 31447.90 | 31422.00 | 31439.90 | 31342.00 | 31408.40 | 31422.90 | 31472.80 | 31564.90 | 31584.60 |
| GEAR DEPTH | 68 | 67 | 85 | 67 | 63 | 104 | 116 | 101 | 118 | 98 | 93 |
| 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 | 2.38 | 2.41 | 2.21 | 2.21 | 2.02 | 2.21 | 2.10 | 2.22 | 2.36 | 2.24 | 2.46 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 167.8 | 606.0 | 49.9 | 0.0 | 117.8 | 5.4 | 22.0 | 47.4 | 0.0 | 21.3 | 97.6 |
| PACIFIC COD | 21.7 | 107.5 | 7.4 | 84.7 | 177.5 | 92.8 | 0.0 | 140.2 | 106.2 | 33.5 | 34.8 |
| SABLEFISH | 160.5 | 441.3 | 38.0 | 68.2 | 197.0 | 126.0 | 220.3 | 294.1 | 1032.3 | 98.4 | 81.7 |
| ARROWTOOTH FL. | 520.7 | 143.0 | 536.7 | 517.5 | 455.8 | 178.6 | 122.2 | 202.9 | 567.8 | 266.0 | 707.1 |
| HALIBUT | 2.4 | 108.2 | 58.4 | 292.0 | 87.0 | 59.6 | 30.9 | 0.0 | 820.6 | 20.4 | 179.3 |
| FLATHEAD SOLE | 68.9 | 35.7 | 168.0 | 29.2 | 9.1 | 0.0 | 1.3 | 0.0 | 4.1 | 1.0 | 32.1 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 48.8 | 32.2 | 28.0 | 19.0 | 13.5 | 2.0 | 12.9 | 20.5 | 6.4 | 4.7 | 3.3 |
| REX SOLE | 45.4 | 50.0 | 19.2 | 55.5 | 89.5 | 125.3 | 0.5 | 40.0 | 0.9 | 24.1 | 25.9 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 1.3 | 0.7 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 1050.0 | 0.4 | 221.7 | 148.1 | 67.8 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 1.5 | 0.0 | 0.1 | 16.8 | 5.0 | 29.2 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 22.4 | 20.0 | 6.7 | 1.2 | 0.0 |
| NORTHERN RKFH | 6.0 | 0.0 | 0.0 | 0.0 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 2.3 | 1.6 | 0.0 | 0.0 | 4.8 | 1.0 | 0.0 | 13.8 | 1.3 | 5.0 | 2.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 38.1 | 0.9 | 0.0 | 0.9 |
| HARLEQUIN RF | 0.4 | 0.0 | 0.0 | 0.0 | 11.7 | 0.6 | 0.0 | 63.3 | 0.5 | 4.5 | 1.6 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 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 |
| GRENADIERS | 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 | 7.4 | 0.0 | 6.4 | 11.8 | 5.4 | 24.1 | 15.1 | 0.0 | 2.7 |
| SKATES | 0.0 | 4.5 | 0.0 | 0.0 | 0.0 | 7.4 | 5.8 | 3.2 | 2.2 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 | 0.0 | 0.2 | 0.3 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/22/87 | 7/22/87 | 7/22/87 | 7/22/87 | 7/22/87 | 7/23/87 | 7/23/87 | 7/23/87 | 7/23/87 | 7/23/87 | 7/23/87 |
| LATITUDE START | 58 59.0 | 59 9.1 | 59 9.2 | 59 18.6 | 59 23.5 | 59 19.5 | 59 24.2 | 59 20.3 | 59 11.1 | 59 19.3 | 59 11.4 |
| LONGITUDE START | 148 42.5 | 148 42.2 | 148 15.5 | 148 30.5 | 148 31.9 | 149 0.4 | 149 9.2 | 149 28.6 | 149 39.0 | 149 58.0 | 150 8.2 |
| LATITUDE END | 59 1.4 | 59 11.5 | 59 9.6 | 59 20.7 | 59 25.9 | 59 20.7 | 59 25.5 | 59 19.6 | 59 9.3 | 59 20.2 | 59 9.4 |
| LONGITUDE END | 148 42.4 | 148 41.8 | 148 11.2 | 148 32.8 | 148 30.6 | 149 4.2 | 149 12.9 | 149 33.0 | 149 42.1 | 150 2.0 | 150 10.4 |
| LORAN START | 12792.20 | 12886.20 | 12997.10 | 13022.20 | 13062.70 | 12910.40 | 12921.00 | 12806.90 | 12676.00 | 12684.90 | 12567.40 |
| LORAN START | 31465.90 | 31533.60 | 31495.10 | 31582.10 | 31617.90 | 31628.30 | 31670.90 | 31669.00 | 31622.20 | 31697.70 | 31660.20 |
| LORAN END | 12814.40 | 12909.80 | 13018.90 | 13032.60 | 13090.20 | 12906.50 | 12918.40 | 12783.10 | 12646.40 | 12679.20 | 12538.80 |
| LORAN END | 31481.90 | 31548.90 | 31492.00 | 31599.80 | 31632.30 | 31641.10 | 31683.70 | 31670.00 | 31614.90 | 31708.10 | 31650.10 |
| GEAR DEPTH | 126 | 71 | 67 | 51 | 53 | 104 | 109 | 67 | 85 | 100 | 71 |
| 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 | 2.40 | 2.37 | 2.23 | 2.42 | 2.45 | 2.29 | 2.27 | 2.37 | 2.40 | 2.25 | 2.33 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 45.5 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 56.0 | 0.6 | 35.5 | 2.5 | 2.5 |
| PACIFIC COD | 23.0 | 79.2 | 154.0 | 9.5 | 8.4 | 35.4 | 54.2 | 123.5 | 0.0 | 23.7 | 73.0 |
| SABLEFISH | 60.2 | 20.0 | 0.0 | 0.0 | 0.0 | 29.0 | 26.8 | 63.4 | 48.6 | 5.6 | 2.6 |
| ARROWTOOTH FL. | 107.1 | 98.0 | 1.8 | 0.0 | 12.5 | 158.9 | 194.8 | 295.6 | 1856.9 | 95.1 | 27.0 |
| HALIBUT | 0.0 | 43.2 | 127.3 | 99.7 | 53.6 | 72.1 | 55.0 | 18.6 | 39.8 | 0.0 | 66.2 |
| FLATHEAD SOLE | 1.9 | 3.5 | 0.0 | 0.0 | 2.4 | 62.4 | 40.5 | 125.9 | 6.6 | 5.1 | 1.3 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 7.1 | 1.1 | 0.0 | 0.0 | 2.5 | 2.0 | 7.0 | 2.8 | 5.4 | 0.6 | 0.0 |
| REX SOLE | 2.2 | 10.0 | 8.3 | 0.4 | 5.8 | 2.1 | 3.6 | 3.9 | 10.9 | 0.5 | 3.7 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 0.0 | 1.6 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 10.6 | 25.5 | 3.9 | 0.0 | 3.8 | 0.0 | 0.4 | 31.9 | 13.5 | 0.9 | 1.6 |
| ROUGHEYE RKFH | 3.9 | 2.7 | 0.0 | 0.0 | 0.0 | 13.4 | 41.5 | 7.4 | 0.0 | 3.8 | 0.0 |
| THORNYHEADS | 66.0 | 4.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.6 | 18.5 | 1163.4 | 32.6 | 266.7 | 0.0 | 0.0 | 5.4 | 2.6 | 0.0 | 3.4 |
| DUSKY RCKFISH | 0.0 | 52.0 | 54.2 | 2.8 | 17.5 | 0.0 | 0.0 | 23.2 | 0.0 | 2.0 | 0.1 |
| SHORTRAKER RF | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 |
| HARLEQUIN RF | 0.3 | 375.6 | 1.7 | 0.5 | 2139.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 8.7 |
| REDSTRIPE RF | 0.0 | 0.0 | 69.4 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 9.4 | 0.0 | 0.0 | 0.0 | 6.8 | 11.4 | 7.9 | 10.9 | 2.7 | 0.0 | 6.5 |
| SKATES | 0.9 | 3.4 | 0.0 | 0.0 | 0.0 | 1.8 | 6.3 | 29.3 | 10.5 | 1.6 | 0.0 |
| SPINY DOGFISH | 0.0 | 46.1 | 7.9 | 0.0 | 0.0 | 17.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 116.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 33 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/24/87 | 7/24/87 | 7/24/87 | 7/24/87 | 7/24/87 | 7/24/87 | 7/25/87 | 7/25/87 | 7/25/87 | 7/25/87 | 7/25/87 |
| LATITUDE START | 59 4.6 | 59 9.5 | 59 5.0 | 59 1.1 | 58 55.4 | 58 55.2 | 58 45.5 | 58 29.8 | 58 29.3 | 58 33.9 | 58 26.9 |
| LONGITUDE START | 150 17.8 | 150 35.7 | 150 48.5 | 150 56.7 | 150 41.3 | 150 23.2 | 150 36.0 | 149 46.9 | 150 16.9 | 150 26.5 | 150 28.8 |
| LATITUDE END | 59 5.9 | 59 9.7 | 59 3.1 | 58 59.6 | 58 54.9 | 58 54.6 | 58 44.6 | 58 30.0 | 58 30.4 | 58 35.3 | 58 24.8 |
| LONGITUDE END | 150 21.9 | 150 40.3 | 150 51.3 | 150 58.3 | 150 37.1 | 150 18.8 | 150 40.1 | 149 51.1 | 150 20.6 | 150 29.8 | 150 29.4 |
| LORAN START | 12463.20 | 12447.90 | 12356.40 | 12287.70 | 12282.90 | 12348.50 | 12202.80 | 12254.80 | 12122.30 | 12126.30 | 12050.60 |
| LORAN START | 31629.60 | 31680.30 | 31667.50 | 31653.70 | 31601.70 | 31578.40 | 31535.80 | 31372.60 | 31413.00 | 31453.80 | 31415.40 |
| LORAN END | 12460.80 | 12433.90 | 12327.10 | 12266.60 | 12294.00 | 12359.80 | 12178.50 | 12239.20 | 12117.10 | 12126.00 | 12027.70 |
| LORAN END | 31642.20 | 31686.70 | 31659.70 | 31646.90 | 31594.10 | 31569.70 | 31535.90 | 31380.30 | 31424.80 | 31466.60 | 31403.40 |
| GEAR DEPTH | 98 | 60 | 104 | 93 | 74 | 74 | 101 | 78 | 48 | 98 | 41 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.38 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 2.45 | 2.36 | 2.39 | 1.72 | 2.22 | 2.32 | 2.32 | 2.19 | 2.23 | 2.24 | 2.19 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 1 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 1 /717 |
| POLLOCK | 77.4 | 0.9 | 152.8 | 35.0 | 1.1 | 0.5 | 9.5 | 52.3 | 0.0 | 57.4 | 0.0 |
| PACIFIC COD | 5.9 | 97.2 | 64.7 | 9.0 | 21.7 | 832.1 | 101.7 | 56.0 | 3.7 | 129.1 | 0.3 |
| SABLEFISH | 7.6 | 5.3 | 63.3 | 12.3 | 26.2 | 154.3 | 352.5 | 96.4 | 0.0 | 221.5 | 0.0 |
| ARROWTOOTH FL. | 18.4 | 191.6 | 233.6 | 21.0 | 309.2 | 431.6 | 207.3 | 392.4 | 0.0 | 1589.4 | 0.0 |
| HALIBUT | 13.4 | 62.2 | 45.6 | 6.9 | 38.1 | 55.0 | 31.1 | 34.3 | 106.2 | 197.6 | 1048.1 |
| FLATHEAD SOLE | 4.6 | 2.0 | 44.1 | 25.2 | 11.0 | 0.0 | 1.2 | 138.8 | 1.3 | 188.9 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 1.0 | 6.9 | 0.0 | 1.0 | 15.3 | 11.4 | 131.8 | 0.0 | 92.2 | 0.0 |
| REX SOLE | 0.5 | 0.4 | 1.4 | 0.0 | 4.2 | 27.7 | 23.6 | 92.2 | 0.0 | 16.8 | 0.0 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 4.4 | 2.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 8.1 | 4.4 | 1.6 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 1.1 | 3.4 | 1.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 |
| ROUGHEYE RKFH | 0.3 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 54.2 | 10.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 14.7 | 3.3 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 | 4.6 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 11.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.0 | 6.3 | 9.0 | 0.7 | 0.7 | 14.3 | 16.0 | 0.0 | 0.1 | 5.2 | 4.0 |
| SKATES | 4.8 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 | 6.3 | 0.0 | 0.0 | 19.3 | 31.5 |
| SPINY DOGFISH | 0.0 | 6.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 180.6 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/25/87 | 7/25/87 | 7/26/87 | 7/26/87 | 7/26/87 | 7/26/87 | 7/27/87 | 7/27/87 | 7/27/87 | 7/27/87 | 7/27/87 |
| LATITUDE START | 58 29.2 | 58 34.1 | 58 28.8 | 58 38.4 | 58 44.1 | 58 58.4 | 58 54.7 | 58 44.2 | 58 39.5 | 58 43.5 | 58 52.3 |
| LONGITUDE START | 150 45.4 | 150 55.8 | 151 13.9 | 151 34.1 | 151 19.5 | 151 25.8 | 151 48.2 | 151 45.1 | 152 2.8 | 152 23.7 | 152 42.6 |
| LATITUDE END | 58 30.4 | 58 35.4 | 58 29.9 | 58 40.2 | 58 45.1 | 59 0.3 | 58 53.8 | 58 44.6 | 58 38.9 | 58 44.8 | 58 54.0 |
| LONGITUDE END | 150 49.1 | 150 59.1 | 151 16.8 | 151 36.7 | 151 15.5 | 151 29.1 | 151 45.8 | 151 49.3 | 152 7.4 | 152 28.1 | 152 46.2 |
| LORAN START | 12005.40 | 12013.70 | 11893.30 | 11926.30 | 12033.90 | 12165.90 | 12061.00 | 11956.30 | 11857.00 | 11852.70 | 11910.80 |
| LORAN START | 31451.80 | 31494.10 | 31486.90 | 31566.30 | 31581.80 | 31671.10 | 31674.70 | 31612.20 | 31605.90 | 31651.00 | 31717.60 |
| LORAN END | 12001.60 | 12014.80 | 11894.50 | 11937.80 | 12057.70 | 12175.40 | 12057.30 | 11948.60 | 11839.60 | 11858.20 | 11922.70 |
| LORAN END | 31463.40 | 31506.20 | 31497.10 | 31579.80 | 31582.80 | 31685.40 | 31666.50 | 31619.20 | 31608.00 | 31662.90 | 31730.30 |
| GEAR DEPTH | 55 | 101 | 66 | 82 | 82 | 66 | 71 | 87 | 72 | 82 | 98 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.35 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 2.27 | 2.20 | 1.91 | 2.30 | 2.32 | 2.55 | 1.62 | 2.24 | 2.45 | 2.65 | 2.55 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 7 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 377.6 | 44.5 | 92.1 | 4.3 | 31.8 | 19.7 | 20.5 | 20.2 | 4.5 | 683.8 | 17.0 |
| PACIFIC COD | 661.0 | 4.2 | 308.1 | 33.5 | 19.7 | 1060.5 | 22.3 | 117.0 | 7.0 | 213.4 | 83.6 |
| SABLEFISH | 1.4 | 54.3 | 246.4 | 13.0 | 71.2 | 0.0 | 0.0 | 107.9 | 4.0 | 12.4 | 117.5 |
| ARROWTOOTH FL. | 752.1 | 2406.2 | 1508.5 | 85.3 | 136.3 | 65.8 | 44.1 | 552.4 | 217.1 | 851.2 | 571.8 |
| HALIBUT | 443.5 | 79.0 | 129.2 | 52.3 | 152.8 | 653.3 | 1401.2 | 89.5 | 118.1 | 745.3 | 51.9 |
| FLATHEAD SOLE | 36.0 | 149.6 | 3.9 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 57.0 |
| ENGLISH SOLE | 10.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 |
| DOVER SOLE | 46.2 | 37.0 | 14.1 | 6.9 | 1.4 | 0.0 | 0.6 | 6.4 | 1.3 | 0.0 | 18.1 |
| REX SOLE | 6.2 | 10.8 | 9.8 | 0.9 | 8.4 | 0.0 | 0.0 | 1.2 | 0.7 | 0.0 | 7.9 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 135.9 | 16.3 | 29.3 | 1.8 | 0.4 | 12.2 | 2.3 | 0.3 | 2.0 | 75.5 | 3.5 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 1.3 | 0.0 | 0.0 | 1.3 | 1.8 | 31.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 30.2 | 25.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 |
| DUSKY RCKFISH | 17.2 | 8.9 | 0.0 | 0.0 | 0.8 | 0.0 | 1.1 | 0.0 | 0.0 | 4.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 5.6 | 12.2 | 19.9 | 5.8 | 3.3 | 20.7 | 6.4 | 2.8 | 6.5 | 66.6 | 5.3 |
| SKATES | 68.1 | 46.5 | 3.0 | 5.8 | 5.8 | 0.0 | 0.0 | 0.0 | 5.6 | 11.8 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 2.8 | 0.0 | 2.3 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/28/87 | 7/28/87 | 7/28/87 | 7/28/87 | 7/28/87 | 7/28/87 | 7/28/87 | 7/29/87 | 7/29/87 | 7/29/87 | 7/30/87 |
| LATITUDE START | 58 48.8 | 58 38.7 | 58 29.2 | 58 18.2 | 58 21.2 | 58 13.9 | 58 2.9 | 58 6.1 | 58 0.5 | 57 34.2 | 57 4.6 |
| LONGITUDE START | 152 59.9 | 153 12.6 | 153 0.9 | 153 17.1 | 153 36.2 | 153 29.6 | 153 34.6 | 153 54.6 | 154 21.7 | 155 14.9 | 155 30.3 |
| LATITUDE END | 58 47.6 | 58 36.7 | 58 27.0 | 58 17.0 | 58 22.1 | 58 12.1 | 58 1.7 | 58 6.7 | 57 59.6 | 57 33.0 | 57 2.6 |
| LONGITUDE END | 153 3.6 | 153 10.3 | 153 2.7 | 153 21.1 | 153 40.0 | 153 27.7 | 153 37.5 | 153 58.6 | 154 24.8 | 155 18.0 | 155 30.6 |
| LORAN START | 11847.00 | 32077.40 | 32111.00 | 32186.20 | 32196.00 | 32223.50 | 11363.40 | 32296.30 | 32362.70 | 32575.30 | 32743.50 |
| LORAN START | 31716.90 | 43659.20 | 43554.40 | 43567.00 | 43678.90 | 43607.30 | 31519.30 | 43713.20 | 43857.70 | 44156.20 | 44259.70 |
| LORAN END | 11829.00 | 32085.00 | 32123.90 | 32197.00 | 32196.30 | | 11354.10 | 32299.20 | 32372.10 | 32586.30 | 32753.60 |
| LORAN END | 31714.20 | 43637.60 | 43549.90 | 43580.50 | 43703.00 | | 31516.90 | 43738.60 | 43874.40 | 44176.50 | 44262.90 |
| GEAR DEPTH | 85 | 90 | 96 | 97 | 94 | 98 | 118 | 110 | 142 | 150 | 148 |
| 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 | 2.28 | 2.39 | 2.35 | 2.38 | 2.19 | 2.12 | 1.93 | 2.18 | 1.93 | 2.09 | 2.08 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 13.0 | 17.2 | 51.8 | 37.3 | 34.0 | 10.9 | 131.7 | 142.2 | 39.8 | 237.5 | 79.3 |
| PACIFIC COD | 59.0 | 36.5 | 9.3 | 19.6 | 68.7 | 8.3 | 43.4 | 16.8 | 32.8 | 164.8 | 22.8 |
| SABLEFISH | 47.4 | 21.5 | 9.5 | 37.1 | 105.7 | 6.4 | 102.4 | 55.3 | 41.7 | 98.0 | 37.0 |
| ARROWTOOTH FL. | 294.2 | 297.1 | 119.8 | 220.4 | 564.4 | 275.4 | 373.9 | 398.8 | 94.4 | 254.8 | 76.0 |
| HALIBUT | 173.9 | 83.5 | 22.8 | 36.4 | 56.9 | 175.6 | 40.1 | 159.0 | 41.5 | 45.6 | 51.7 |
| FLATHEAD SOLE | 25.1 | 6.6 | 43.4 | 98.8 | 100.5 | 135.3 | 37.0 | 94.6 | 34.6 | 56.7 | 92.3 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 7.8 | 6.2 | 1.0 | 0.0 | 3.8 | 0.0 | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 |
| REX SOLE | 0.6 | 2.6 | 0.1 | 0.2 | 1.9 | 0.1 | 1.8 | 0.4 | 0.0 | 0.5 | 0.6 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.2 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 8.2 | 1.1 | 4.1 | 3.8 | 1.1 | 5.4 | 3.7 | 18.2 | 6.8 | 49.0 | 13.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 0.0 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 14.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 1.1 | 3.1 | 7.4 | 19.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 23.5 | 54.1 |
| SKATES | 2.0 | 0.0 | 0.0 | 4.3 | 0.0 | 1.9 | 0.0 | 4.5 | 0.0 | 19.3 | 24.4 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.4 | 1.7 | 0.8 | 0.1 | 0.0 | 0.0 | 0.2 | 0.4 | 0.2 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.2 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 1.2 | 1.9 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/30/87 | 7/30/87 | 7/30/87 | 7/30/87 | 7/30/87 | 7/30/87 | 7/31/87 | 7/31/87 | 7/31/87 | 7/31/87 | 7/31/87 |
| LATITUDE START | 57 9.4 | 57 5.5 | 56 55.4 | 56 41.0 | 56 44.5 | 56 48.8 | 56 50.4 | 56 35.4 | 56 29.0 | 56 24.4 | 56 15.4 |
| LONGITUDE START | 155 4.7 | 154 56.1 | 155 0.5 | 155 0.3 | 154 43.6 | 154 35.4 | 155 10.6 | 155 8.6 | 155 23.2 | 155 17.8 | 155 14.7 |
| LATITUDE END | 57 7.9 | 57 3.7 | 56 53.2 | 56 38.9 | 56 45.3 | 56 50.6 | 56 48.1 | 56 33.8 | 56 27.6 | 56 23.1 | 56 15.3 |
| LONGITUDE END | 155 1.6 | 154 52.9 | 155 2.4 | 154 59.9 | 154 40.0 | 154 33.1 | 155 10.4 | 155 8.4 | 155 26.7 | 155 15.0 | 155 14.8 |
| LORAN START | 32678.20 | 32681.80 | 32735.30 | 32799.20 | 32755.40 | 32722.80 | 32774.80 | 32838.20 | 32891.30 | 32901.80 | 32933.80 |
| LORAN START | 44086.60 | 44032.00 | 44072.70 | 44095.30 | 43982.40 | 43921.60 | 44145.10 | 44159.10 | 44264.00 | 44240.50 | 44242.40 |
| LORAN END | 32679.70 | 32684.60 | 32748.60 | 32807.90 | 32745.80 | 32710.90 | 32785.00 | 32844.70 | 32903.90 | 32902.10 | 32934.30 |
| LORAN END | 44066.50 | 44012.90 | 44087.90 | 44097.10 | 43957.80 | 43903.20 | 44147.30 | 44160.80 | 44289.30 | 44225.80 | 44242.90 |
| GEAR DEPTH | 115 | 57 | 44 | 20 | 16 | 19 | 82 | 22 | 27 | 21 | 15 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.30 | 0.50 | 0.50 | 0.05 |
| DISTANCE FISHED | 2.26 | 2.44 | 2.47 | 2.15 | 2.15 | 2.22 | 2.36 | 1.61 | 2.45 | 2.01 | 0.11 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 1 /717 | 0 /717 | 0 /717 | 0 /717 | 1 /717 | 0 /717 | 0 /717 | 7 /717 |
| POLLOCK | 149.8 | 24.1 | 0.6 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| PACIFIC COD | 93.0 | 1264.1 | 1465.1 | 0.4 | 0.0 | 0.0 | 74.6 | 0.0 | 0.0 | 2.0 | 0.0 |
| SABLEFISH | 95.5 | 967.4 | 15.2 | 0.0 | 0.0 | 0.0 | 54.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 141.7 | 9486.3 | 3333.7 | 0.0 | 0.0 | 0.0 | 571.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| HALIBUT | 40.6 | 125.9 | 1265.0 | 160.5 | 212.8 | 419.1 | 148.5 | 258.2 | 574.0 | 278.3 | 0.0 |
| FLATHEAD SOLE | 58.1 | 36.4 | 21.3 | 1.0 | 0.0 | 0.0 | 88.6 | 7.1 | 0.0 | 0.0 | 0.0 |
| ENGLISH SOLE | 0.0 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.7 | 11.0 | 8.7 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| REX SOLE | 0.0 | 0.8 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 0.0 | 7.6 | 25.7 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 2.4 | 6.6 | 4.4 | 160.4 | 7.0 | 32.0 | 142.1 | 3.4 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.2 | 0.3 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45.5 | 5.2 | 0.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 4.4 | 4.0 | 1.3 | 0.0 | 0.0 | 0.0 | 1.0 | 0.3 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 23.8 | 1.5 | 0.0 | 0.0 | 0.0 | 289.8 | 11.8 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 6.2 | 55.2 | 18.5 | 0.6 | 0.1 | 8.4 | 4.6 | 0.0 | 16.6 | 0.0 | 0.0 |
| SKATES | 0.0 | 8.5 | 24.6 | 78.9 | 0.0 | 0.0 | 44.7 | 35.7 | 128.3 | 102.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/31/87 | 8/ 1/87 | 8/ 1/87 | 8/ 1/87 | 8/ 1/87 | 8/ 1/87 | 8/ 1/87 | 8/ 2/87 | 8/ 2/87 | 8/ 2/87 | 8/ 2/87 |
| LATITUDE START | 55 59.6 | 55 56.6 | 56 5.3 | 56 15.2 | 56 20.4 | 56 22.0 | 56 25.4 | 57 17.8 | 57 2.8 | 56 52.4 | 56 50.5 |
| LONGITUDE START | 155 22.1 | 155 48.0 | 155 49.6 | 155 50.5 | 156 2.1 | 155 46.6 | 155 42.9 | 156 1.9 | 155 57.9 | 156 4.0 | 156 20.9 |
| LATITUDE END | 55 57.9 | 55 58.7 | 56 7.5 | 56 17.4 | 56 22.4 | 56 22.5 | 56 28.0 | 57 16.3 | 57 0.5 | 56 50.6 | 56 50.4 |
| LONGITUDE END | 155 21.1 | 155 48.4 | 155 49.7 | 155 51.4 | 155 59.2 | 155 42.2 | 155 43.6 | 155 58.9 | 155 58.1 | 156 6.6 | 156 24.9 |
| LORAN START | 33011.80 | 33071.80 | 33039.10 | 32999.80 | 32998.80 | 32963.50 | 32942.40 | 32734.90 | 32800.10 | 32859.40 | 32899.20 |
| LORAN START | 44327.30 | 44490.30 | 44479.70 | 44463.90 | 44526.70 | 44425.40 | 44395.80 | 44465.40 | 44444.10 | 44493.00 | 44606.30 |
| LORAN END | 33017.00 | 33063.90 | 33030.20 | 32992.10 | 32985.10 | 32953.50 | 32932.10 | 32736.90 | 32811.00 | 32872.70 | 32906.90 |
| LORAN END | 44326.20 | 44487.40 | 44475.20 | 44465.00 | 44504.70 | 44396.70 | 44394.70 | 44445.50 | 44446.80 | 44511.60 | 44632.80 |
| GEAR DEPTH | 19 | 29 | 34 | 55 | 123 | 45 | 66 | 98 | 134 | 113 | 96 |
| 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 | 1.82 | 2.14 | 2.19 | 2.27 | 2.53 | 2.50 | 2.66 | 2.20 | 2.25 | 2.35 | 2.20 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | 0.0 | 202.6 | 92.8 | 200.3 | 33.0 |
| PACIFIC COD | 1.0 | 0.0 | 2.5 | 4192.2 | 10.2 | 635.7 | 818.6 | 136.7 | 32.2 | 17.5 | 72.5 |
| SABLEFISH | 0.0 | 0.0 | 0.0 | 0.0 | 56.5 | 0.0 | 9.8 | 37.7 | 159.2 | 65.3 | 84.3 |
| ARROWTOOTH FL. | 0.0 | 0.0 | 0.0 | 387.3 | 563.9 | 672.3 | 2357.9 | 544.5 | 193.0 | 274.0 | 1361.9 |
| HALIBUT | 68.6 | 126.7 | 211.6 | 399.9 | 23.8 | 241.5 | 60.1 | 193.8 | 27.4 | 145.6 | 136.7 |
| FLATHEAD SOLE | 0.0 | 0.0 | 0.0 | 11.5 | 5.3 | 29.0 | 98.2 | 23.0 | 2.9 | 8.8 | 39.5 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 27.5 | 7.1 | 5.4 | 13.3 | 9.4 | 18.0 | 4.6 | 22.5 |
| REX SOLE | 0.0 | 0.0 | 0.0 | 31.6 | 0.4 | 43.5 | 105.0 | 0.2 | 0.2 | 3.6 | 1.0 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 5.5 | 33.8 | 6230.1 | 0.9 | 682.8 | 33.8 | 1.7 | 0.0 | 0.0 | 0.4 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 0.0 | 5.5 | 3.2 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 10.5 | 4.5 | 5.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 6.3 | 4.1 | 0.0 | 18.5 | 1.2 | 0.0 | 6.3 | 2.8 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 | 8.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.0 | 3.9 | 0.1 | 147.4 | 2.8 | 0.0 | 0.0 | 59.4 | 29.0 | 56.7 | 4.4 |
| SKATES | 0.0 | 12.0 | 59.0 | 0.0 | 25.4 | 94.2 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 53.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 1.0 | 0.0 | 0.1 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 8/ 2/87 | 8/ 3/87 | 8/ 3/87 | 8/ 3/87 | 8/ 3/87 | 8/ 3/87 | 8/ 3/87 | 8/ 4/87 | 8/ 4/87 | 8/ 4/87 | 8/ 4/87 |
| LATITUDE START | 56 47.9 | 56 28.1 | 56 22.4 | 56 23.1 | 56 19.6 | 56 15.4 | 56 1.7 | 55 57.6 | 56 11.3 | 56 7.6 | 56 14.7 |
| LONGITUDE START | 156 35.3 | 157 24.2 | 157 22.4 | 157 5.0 | 156 56.7 | 156 38.1 | 156 16.9 | 156 59.9 | 157 10.2 | 157 26.2 | 157 30.1 |
| LATITUDE END | 56 47.2 | 56 26.3 | 56 20.1 | 56 23.0 | 56 18.3 | 56 14.3 | 56 0.1 | 56 0.0 | 56 13.4 | 56 6.3 | 56 17.0 |
| LONGITUDE END | 156 31.8 | 157 22.1 | 157 21.6 | 157 0.9 | 156 53.2 | 156 34.5 | 156 14.4 | 157 0.2 | 157 12.2 | 157 29.0 | 157 30.4 |
| LORAN START | 32937.70 | 33122.40 | 33144.70 | 33107.00 | 33105.90 | 33088.20 | 33105.00 | 33205.50 | 33168.60 | 33216.40 | 33193.50 |
| LORAN START | 44704.10 | 45046.00 | 45041.00 | 44926.80 | 44877.50 | 44764.60 | 44655.60 | 44933.00 | 44976.70 | 45085.00 | 45100.50 |
| LORAN END | 32934.60 | 33126.80 | 33153.10 | 33099.40 | 33104.90 | 33086.20 | 33106.90 | 33196.10 | 33163.60 | 33227.40 | 33184.20 |
| LORAN END | 44681.20 | 45034.80 | 45039.00 | 44900.50 | 44857.20 | 44743.10 | 44643.70 | 44930.40 | 44986.70 | 45104.80 | 45099.70 |
| GEAR DEPTH | 60 | 93 | 38 | 90 | 63 | 90 | 115 | 52 | 57 | 82 | 79 |
| 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 | 2.11 | 2.20 | 2.27 | 2.26 | 2.32 | 2.37 | 2.11 | 2.40 | 2.39 | 2.01 | 2.29 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 1 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 0.0 | 2928.9 | 7.0 | 2629.5 | 7.6 | 19.6 | 8.3 | 0.0 | 0.0 | 1072.0 | 1356.4 |
| PACIFIC COD | 184.1 | 159.2 | 24.1 | 551.8 | 128.5 | 291.1 | 171.7 | 221.2 | 246.9 | 55.3 | 116.7 |
| SABLEFISH | 187.0 | 2.5 | 38.5 | 0.0 | 23.5 | 20.4 | 249.2 | 2.5 | 1.1 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 633.3 | 496.0 | 115.7 | 284.3 | 898.8 | 329.1 | 54.8 | 940.2 | 472.9 | 154.8 | 155.2 |
| HALIBUT | 42.0 | 277.5 | 122.1 | 64.7 | 90.9 | 78.4 | 189.0 | 133.5 | 116.7 | 67.0 | 300.1 |
| FLATHEAD SOLE | 2.0 | 63.8 | 20.0 | 13.2 | 6.2 | 3.0 | 1.9 | 3.6 | 12.3 | 46.1 | 52.7 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.6 | 1.2 | 0.0 | 9.3 | 1.7 | 6.4 | 7.8 | 0.0 | 0.0 | 0.0 | 1.0 |
| REX SOLE | 3.6 | 0.0 | 0.0 | 7.6 | 0.8 | 19.3 | 55.0 | 18.8 | 2.4 | 4.0 | 2.0 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 13.3 | 0.9 | 22.2 | 1.4 | 13.4 | 2.4 | 0.3 | 32.3 | 24.7 | 0.6 | 15.8 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 313.1 | 41.4 | 0.4 | 0.1 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 1.4 | 25.9 | 0.0 | 11.4 | 0.0 | 10.7 | 4.6 | 0.0 | 0.0 | 95.4 | 34.7 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.5 | 0.2 | 4.8 | 0.0 | 0.0 | 0.4 | 0.0 | 0.5 | 1.1 | 0.5 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | 9.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 7.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 10.7 | 0.6 | 0.0 | 29.0 | 5.1 | 7.2 | 2.9 | 1.3 | 0.3 | 16.0 | 13.5 |
| SKATES | 6.6 | 53.5 | 0.0 | 0.0 | 0.0 | 2.4 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 181.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 8/ 4/87 | 8/ 4/87 | 8/ 5/87 | 8/ 5/87 | 8/ 5/87 | 8/ 5/87 | 8/ 5/87 | 8/ 5/87 | 8/ 6/87 | 8/ 6/87 | 8/ 6/87 |
| LATITUDE START | 56 11.2 | 56 15.3 | 56 0.3 | 55 53.9 | 55 44.0 | 55 47.1 | 55 49.6 | 55 50.5 | 55 39.0 | 55 36.2 | 55 37.3 |
| LONGITUDE START | 157 45.0 | 157 56.0 | 158 11.2 | 158 26.3 | 158 26.7 | 158 20.0 | 158 3.6 | 157 45.7 | 159 20.6 | 158 53.8 | 158 36.1 |
| LATITUDE END | 56 10.5 | 56 14.3 | 55 58.2 | 55 52.4 | 55 42.0 | 55 48.9 | 55 49.6 | 55 50.8 | 55 39.1 | 55 36.1 | 55 37.4 |
| LONGITUDE END | 157 47.0 | 157 58.2 | 158 12.0 | 158 28.8 | 158 25.4 | 158 17.6 | 157 59.5 | 157 41.5 | 159 16.6 | 158 49.7 | 158 31.8 |
| LORAN START | 33239.20 | 33244.00 | 33339.90 | 33398.50 | 33439.80 | 33413.00 | 33368.20 | 33327.30 | 33578.00 | 33529.40 | 33486.70 |
| LORAN START | 45201.70 | 45268.70 | 45384.30 | 45489.30 | 45503.90 | 45457.30 | 45349.00 | 45233.80 | 45854.50 | 45685.80 | 45571.90 |
| LORAN END | 33246.40 | 33252.80 | 33350.70 | 33410.50 | 33445.20 | 33400.40 | 33359.70 | 33317.50 | 33568.70 | 33520.90 | 33477.00 |
| LORAN END | 45215.60 | 45283.90 | 45392.30 | 45507.50 | 45498.30 | 45439.40 | 45323.10 | 45207.20 | 45828.90 | 45660.00 | 45544.50 |
| GEAR DEPTH | 66 | 87 | 77 | 66 | 66 | 68 | 48 | 66 | 57 | 85 | 66 |
| DURATION IN HOURS | 0.37 | 0.40 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 1.33 | 1.56 | 2.21 | 2.14 | 2.17 | 2.29 | 2.29 | 2.34 | 2.25 | 2.31 | 2.44 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 200.0 | 284.8 | 1091.4 | 1750.1 | 6.4 | 30.4 | 0.0 | 0.7 | 747.9 | 397.0 | 0.9 |
| PACIFIC COD | 75.9 | 156.8 | 201.8 | 51.0 | 165.6 | 33.7 | 173.5 | 460.9 | 50.3 | 42.0 | 92.0 |
| SABLEFISH | 0.0 | 0.0 | 1.1 | 4.8 | 5.2 | 9.5 | 0.0 | 10.2 | 1.3 | 22.4 | 290.6 |
| ARROWTOOTH FL. | 54.5 | 123.1 | 109.8 | 918.3 | 672.9 | 246.5 | 98.0 | 1043.4 | 252.4 | 784.4 | 811.6 |
| HALIBUT | 175.2 | 4.0 | 59.1 | 55.0 | 37.2 | 27.2 | 87.1 | 183.5 | 85.3 | 114.3 | 281.7 |
| FLATHEAD SOLE | 12.5 | 90.7 | 11.7 | 28.4 | 1.8 | 23.0 | 0.8 | 24.9 | 45.1 | 85.1 | 23.8 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REX SOLE | 0.3 | 0.3 | 1.9 | 11.0 | 7.2 | 7.0 | 0.0 | 21.0 | 1.4 | 2.5 | 4.1 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.8 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 1.9 | 2.7 | 22.2 | 14.8 | 0.0 | 3.4 | 17.5 | 73.2 | 9.0 | 0.6 | 18.4 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.1 | 0.0 | 0.0 | 0.0 | 0.4 |
| ROUGHEYE RKFH | 3.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 2.7 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 38.2 | 0.4 | 0.0 | 0.0 | 0.7 |
| DUSKY ROCKFISH | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 2.1 | 6.4 | 4.1 | 9.5 | 0.1 | 0.4 | 0.1 | 6.1 | 14.3 | 10.3 | 3.6 |
| SKATES | 0.0 | 5.5 | 26.0 | 0.0 | 0.0 | 0.0 | 25.1 | 0.0 | 0.0 | 33.6 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 150.0 | 0.0 | 0.0 | 0.0 | 0.0 | 140.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.3 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 | 361 | 362 | 363 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 8/ 6/87 | 8/ 6/87 | 8/ 6/87 | 8/ 7/87 | 8/ 7/87 | 8/ 7/87 | 8/ 7/87 | 8/ 7/87 | 8/ 8/87 | 8/ 8/87 | 8/ 8/87 |
| LATITUDE START | 55 34.3 | 55 34.7 | 55 40.3 | 55 40.1 | 55 30.4 | 55 30.5 | 55 50.2 | 55 41.9 | 55 53.1 | 56 2.5 | 55 53.6 |
| LONGITUDE START | 158 8.6 | 157 58.8 | 157 43.4 | 156 47.6 | 156 46.1 | 156 21.9 | 156 6.2 | 155 46.2 | 154 10.5 | 154 23.3 | 154 52.6 |
| LATITUDE END | 55 34.1 | 55 35.1 | 55 41.2 | 55 37.7 | 55 28.1 | 55 30.9 | 55 52.3 | 55 39.9 | 55 53.5 | 56 1.6 | 55 51.9 |
| LONGITUDE END | 158 4.5 | 157 54.6 | 157 39.4 | 156 46.8 | 156 45.4 | 156 17.8 | 156 3.8 | 155 44.0 | 154 13.8 | 154 27.2 | 154 55.4 |
| LORAN START | 33439.40 | 33417.30 | 33363.30 | 33251.30 | 33285.60 | 33238.10 | 33131.20 | 33126.50 | 32911.20 | 32896.60 | 32982.70 |
| LORAN START | 45402.10 | 45339.90 | 45234.50 | 44888.70 | 44899.70 | 44754.70 | 44614.90 | 44516.40 | 43947.10 | 43982.20 | 44174.20 |
| LORAN END | 33431.80 | 33407.00 | 33351.70 | 33259.20 | 33293.20 | 33228.60 | 33118.50 | 33130.00 | 32915.60 | 32906.80 | 32994.50 |
| LORAN END | 45376.80 | 45312.90 | 45208.40 | 44889.00 | 44900.40 | 44729.70 | 44595.90 | 44508.80 | 43963.00 | 44006.70 | 44195.40 |
| GEAR DEPTH | 73 | 72 | 74 | 69 | 52 | 120 | 93 | 57 | 180 | 96 | 189 |
| 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 | 2.34 | 2.42 | 2.40 | 2.45 | 2.42 | 2.34 | 2.46 | 2.32 | 1.86 | 2.36 | 2.35 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 1 /717 | 0 /717 | 1 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 80.4 | 36.2 | 715.7 | 1.4 | 0.0 | 4.7 | 435.8 | 0.0 | 1.3 | 0.4 | 0.0 |
| PACIFIC COD | 51.9 | 32.8 | 108.6 | 1499.8 | 14.7 | 16.5 | 2042.1 | 0.0 | 0.0 | 427.4 | 0.0 |
| SABLEFISH | 8.0 | 13.3 | 3.6 | 78.5 | 1.1 | 87.6 | 603.0 | 0.0 | 115.0 | 111.5 | 437.7 |
| ARROWTOOTH FL. | 637.4 | 510.1 | 1972.8 | 1231.2 | 58.4 | 122.0 | 1125.1 | 511.7 | 0.0 | 1272.5 | 70.7 |
| HALIBUT | 37.2 | 38.4 | 199.2 | 0.0 | 280.5 | 47.0 | 140.8 | 951.1 | 5.9 | 408.2 | 0.0 |
| FLATHEAD SOLE | 28.6 | 30.6 | 51.0 | 3.2 | 0.0 | 8.7 | 166.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.5 | 7.2 | 0.0 | 16.7 | 475.0 | 0.0 | 26.1 | 2.2 | 35.6 |
| REX SOLE | 0.4 | 0.0 | 20.5 | 146.3 | 2.0 | 191.2 | 734.8 | 0.0 | 2.1 | 199.7 | 76.3 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 18.0 | 0.0 | 0.0 | 23.0 | 0.0 | 0.0 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 0.0 | 218.1 | 7.7 | 9.8 | 0.0 | 0.0 | 0.0 | 0.7 |
| ROUGHEYE RKFH | 27.0 | 22.0 | 2.4 | 0.0 | 0.0 | 3.6 | 0.0 | 0.0 | 244.6 | 0.0 | 53.6 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 155.8 | 0.0 | 162.6 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 825.1 | 0.0 | 0.8 | 1.1 | 0.0 | 4.3 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 21.7 | 0.0 | 0.0 | 1.1 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 254.5 | 0.0 | 104.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 20.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.1 | 0.1 | 3.5 | 0.0 | 0.5 | 30.1 | 17.5 | 28.9 | 17.7 | 5.5 | 0.0 |
| SKATES | 0.0 | 2.4 | 0.0 | 40.0 | 0.0 | 3.9 | 46.2 | 0.0 | 0.0 | 0.0 | 7.5 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 90.0 | 0.0 | 0.0 | 0.0 | 155.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 364 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 372 | 373 | 374 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 8/ 8/87 | 8/ 8/87 | 8/ 9/87 | 8/ 9/87 | 8/ 9/87 | 8/12/87 | 8/12/87 | 8/12/87 | 8/12/87 | 8/13/87 | 8/13/87 |
| LATITUDE START | 55 43.9 | 55 57.6 | 56 13.3 | 56 15.4 | 56 22.5 | 55 39.3 | 55 34.8 | 55 19.4 | 55 24.6 | 55 23.8 | 55 25.2 |
| LONGITUDE START | 155 7.9 | 155 3.7 | 154 48.7 | 154 31.9 | 154 22.3 | 155 24.0 | 155 48.0 | 155 57.1 | 156 14.3 | 156 28.2 | 156 35.4 |
| LATITUDE END | 55 45.0 | 55 59.3 | 56 14.6 | 56 15.4 | 56 22.0 | 55 38.3 | 55 34.7 | 55 19.4 | 55 24.5 | 55 24.2 | 55 22.9 |
| LONGITUDE END | 155 4.9 | 155 3.6 | 154 46.4 | 154 29.4 | 154 18.4 | 155 27.9 | 155 51.5 | 156 0.7 | 156 18.2 | 156 32.3 | 156 37.4 |
| LORAN START | 33048.10 | 32987.00 | 32896.70 | 32858.90 | 32813.70 | 33095.20 | 33157.10 | 33231.60 | 33245.70 | 33275.30 | 33284.30 |
| LORAN START | 44290.10 | 44225.70 | 44092.40 | 43987.90 | 43910.80 | 44395.00 | 44545.30 | 44637.80 | 44724.40 | 44807.60 | 44847.10 |
| LORAN END | 33038.30 | 32979.70 | 32887.40 | 32854.80 | 32808.90 | 33106.30 | 33163.80 | 33238.40 | 33253.30 | 33282.00 | 33296.70 |
| LORAN END | 44269.70 | 44219.70 | 44075.00 | 43973.80 | 43889.50 | 44420.20 | 44565.70 | 44658.20 | 44746.90 | 44830.70 | 44863.90 |
| GEAR DEPTH | 106 | 42 | 22 | 45 | 19 | 104 | 108 | 156 | 108 | 93 | 79 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.33 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 2.05 | 1.77 | 1.82 | 1.37 | 2.23 | 2.44 | 1.99 | 2.05 | 2.18 | 2.32 | 2.55 |
| PERFORMANCE / GEAR | 0 /717 | 1 /717 | 0 /717 | 1 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 0.0 | 0.0 | 0.0 | 36.1 | 0.0 | 0.0 | 208.6 | 0.0 | 0.0 | 0.2 | 0.0 |
| PACIFIC COD | 282.0 | 0.0 | 4.6 | 190.5 | 578.4 | 795.3 | 317.0 | 0.0 | 324.9 | 291.5 | 312.9 |
| SABLEFISH | 2152.3 | 0.0 | 0.0 | 0.0 | 0.0 | 843.5 | 235.7 | 6.4 | 36.2 | 32.0 | 7.9 |
| ARROWTOOTH FL. | 2012.6 | 0.0 | 0.0 | 214.8 | 0.0 | 1202.6 | 520.7 | 133.2 | 136.1 | 1113.2 | 843.1 |
| HALIBUT | 46.5 | 196.8 | 723.0 | 134.0 | 276.7 | 3200.3 | 182.8 | 77.9 | 259.8 | 142.7 | 244.1 |
| FLATHEAD SOLE | 0.7 | 0.0 | 0.0 | 21.5 | 0.0 | 35.8 | 17.7 | 0.0 | 1.4 | 0.5 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 1.0 | 0.0 | 0.0 | 13.1 | 0.0 | 8.3 | 35.6 | 0.0 | 11.1 | 25.7 | 1.7 |
| REX SOLE | 32.8 | 0.0 | 0.0 | 133.2 | 0.0 | 170.3 | 411.8 | 0.0 | 96.2 | 314.3 | 30.5 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 550.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 37.8 | 2.4 | 34.2 | 124.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.5 | 27.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 37.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 299.9 | 97.3 | 110.6 | 132.8 | 4.6 |
| ROUGHEYE RKFH | 14.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 128.8 | 11.5 | 9.5 | 0.0 |
| THORNYHEADS | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 328.5 | 0.0 | 0.7 | 0.0 |
| NORTHERN RKFH | 83.6 | 0.0 | 0.0 | 0.0 | 0.0 | 46.0 | 180.7 | 0.0 | 4.4 | 352.9 | 1951.5 |
| DUSKY RCKFISH | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.0 | 50.2 | 0.0 | 7.1 | 90.0 | 296.8 |
| SHORTRAKER RF | 12.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 3.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 4.6 | 0.0 | 2.7 | 49.1 | 4.3 | 0.0 | 9.6 | 76.6 | 20.0 | 3.1 | 0.6 |
| SKATES | 4.1 | 109.0 | 66.0 | 0.0 | 74.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 1.9 | 2.8 | 2.0 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 204.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 375 | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384 | 385 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 8/13/87 | 8/13/87 | 8/13/87 | 8/14/87 | 8/14/87 | 8/14/87 | 8/14/87 | 8/15/87 | 8/15/87 | 8/15/87 | 8/15/87 |
| LATITUDE START | 55 12.0 | 55 16.6 | 55 15.1 | 55 14.5 | 54 51.5 | 54 43.8 | 54 37.0 | 54 50.9 | 55 4.9 | 54 54.4 | 54 57.0 |
| LONGITUDE START | 156 44.3 | 157 25.3 | 157 50.8 | 158 0.2 | 157 37.7 | 158 10.1 | 158 27.8 | 158 40.9 | 158 8.4 | 158 14.6 | 158 24.0 |
| LATITUDE END | 55 10.9 | 55 16.7 | 55 15.0 | 55 14.5 | 54 50.8 | 54 45.8 | 54 37.7 | 54 53.1 | 55 2.6 | 54 52.4 | 54 58.6 |
| LONGITUDE END | 156 45.9 | 157 28.1 | 157 54.7 | 158 3.7 | 157 41.4 | 158 11.2 | 158 24.3 | 158 42.6 | 158 9.8 | 158 16.6 | 158 26.9 |
| LORAN START | 33350.20 | 33416.20 | 33474.40 | 33496.10 | 33529.90 | 33622.90 | 33682.30 | 33664.80 | 33547.80 | 33597.00 | 33608.20 |
| LORAN START | 44928.80 | 45163.60 | 45321.30 | 45379.60 | 45283.80 | 45487.70 | 45602.60 | 45661.40 | 45444.60 | 45498.30 | 45550.90 |
| LORAN END | 33357.40 | 33421.40 | 33482.60 | 33503.50 | 33539.80 | 33618.90 | 33672.70 | 33661.20 | 33558.60 | 33608.10 | 33609.00 |
| LORAN END | 44940.70 | 45180.20 | 45344.90 | 45401.10 | 45306.60 | 45491.40 | 45580.80 | 45669.00 | 45456.40 | 45513.10 | 45566.20 |
| GEAR DEPTH | 102 | 48 | 44 | 49 | 107 | 107 | 219 | 54 | 71 | 98 | 103 |
| DURATION IN HOURS | 0.33 | 0.37 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 1.45 | 1.60 | 2.20 | 2.01 | 2.23 | 2.06 | 2.16 | 2.41 | 2.39 | 2.35 | 2.30 |
| PERFORMANCE / GEAR | 1 /717 | 1 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 1 /717 | 7 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 3.5 | 7.2 |
| PACIFIC COD | 93.5 | 0.7 | 0.0 | 0.0 | 1424.9 | 281.6 | 0.0 | 0.0 | 412.5 | 52.0 | 329.7 |
| SABLEFISH | 1069.4 | 0.0 | 0.0 | 0.0 | 188.1 | 2.5 | 2751.9 | 0.0 | 0.0 | 2.4 | 219.2 |
| ARROWTOOTH FL. | 636.1 | 0.0 | 0.0 | 0.0 | 332.7 | 332.8 | 35.3 | 0.4 | 1055.7 | 455.4 | 740.4 |
| HALIBUT | 27.9 | 69.3 | 3833.7 | 100.7 | 129.0 | 494.6 | 131.2 | 166.3 | 44.5 | 57.6 | 274.2 |
| FLATHEAD SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 0.8 | 0.0 | 0.0 | 41.0 | 25.8 | 5.3 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 14.9 | 0.0 | 0.0 | 0.0 | 36.6 | 5.8 | 27.7 | 0.0 | 6.0 | 5.4 | 14.5 |
| REX SOLE | 53.8 | 0.0 | 0.0 | 0.0 | 87.0 | 14.7 | 2.3 | 0.0 | 96.4 | 85.5 | 43.8 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 3.0 | 0.2 | 0.0 | 0.0 | 0.0 | 1.7 | 2.9 | 1.7 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 30.0 | 153.1 | 3.1 | 0.3 | 1.5 | 941.3 | 0.0 | 0.1 | 0.0 | 2.9 | 75.8 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 48.8 | 0.0 | 0.0 | 2.0 | 3.4 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 56.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 13.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 2.0 |
| DUSKY RCKFISH | 3.3 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 52.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 501.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.5 | 0.0 | 0.0 | 0.0 | 6.3 | 0.0 | 25.3 | 0.0 | 0.0 | 11.3 | 1.0 |
| SKATES | 0.0 | 0.0 | 42.0 | 8.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 110.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 386 | 387 | 388 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 396 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 8/15/87 | 8/15/87 | 8/16/87 | 8/16/87 | 8/16/87 | 8/16/87 | 8/16/87 | 8/17/87 | 8/17/87 | 8/17/87 | 8/18/87 |
| LATITUDE START | 55 1.1 | 55 6.2 | 55 24.4 | 55 23.0 | 55 31.7 | 55 23.0 | 55 30.0 | 55 25.6 | 55 7.3 | 55 21.7 | 54 44.8 |
| LONGITUDE START | 158 41.7 | 158 37.8 | 158 2.6 | 158 20.2 | 158 23.7 | 158 37.9 | 158 49.2 | 159 5.0 | 159 20.7 | 159 39.4 | 159 15.7 |
| LATITUDE END | 55 1.9 | 55 7.8 | 55 24.0 | 55 23.3 | 55 34.0 | 55 21.0 | 55 31.9 | 55 24.2 | 55 9.5 | 55 22.6 | 54 43.3 |
| LONGITUDE END | 158 45.4 | 158 34.8 | 158 6.7 | 158 24.4 | 158 24.3 | 158 40.3 | 158 51.3 | 159 7.9 | 159 20.5 | 159 43.1 | 159 13.3 |
| LORAN START | 33632.20 | 33605.80 | 33464.40 | 33506.90 | 33481.60 | 33545.00 | 33543.30 | 33594.40 | 33695.90 | 33686.10 | 33760.50 |
| LORAN START | 45653.00 | 45622.30 | 45379.00 | 45490.20 | 45500.40 | 45600.70 | 45663.80 | 45768.30 | 45886.20 | 45990.40 | 45879.30 |
| LORAN END | 33637.30 | 33593.60 | 33474.70 | 33514.90 | 33474.10 | 33557.70 | 33540.40 | 33606.10 | 33687.60 | 33691.20 | 33760.20 |
| LORAN END | 45674.50 | 45601.50 | 45405.10 | 45516.10 | 45501.40 | 45618.50 | 45674.90 | 45788.00 | 45882.50 | 46013.00 | 45866.60 |
| GEAR DEPTH | 77 | 104 | 63 | 75 | 77 | 95 | 75 | 89 | 39 | 71 | 34 |
| 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 | 2.28 | 2.37 | 2.38 | 2.42 | 2.33 | 2.44 | 2.30 | 2.17 | 2.22 | 2.28 | 2.05 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 1 /717 |
| POLLOCK | 0.4 | 22.9 | 1.3 | 3.4 | 38.4 | 28.5 | 49.5 | 32.7 | 2.5 | 437.6 | 0.0 |
| PACIFIC COD | 1325.4 | 78.8 | 666.5 | 46.7 | 42.5 | 0.0 | 5.2 | 19.6 | 63.2 | 49.8 | 2.8 |
| SABLEFISH | 817.8 | 118.0 | 48.7 | 2.2 | 3.1 | 5.6 | 12.2 | 12.0 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 915.1 | 479.3 | 271.6 | 446.1 | 391.3 | 195.5 | 742.7 | 266.2 | 3.5 | 140.2 | 0.0 |
| HALIBUT | 230.3 | 110.8 | 163.3 | 5.9 | 80.1 | 42.1 | 53.7 | 38.4 | 84.3 | 155.4 | 184.6 |
| FLATHEAD SOLE | 89.8 | 117.7 | 31.0 | 26.0 | 42.2 | 165.4 | 62.8 | 42.5 | 29.6 | 63.9 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.7 | 0.0 | 0.0 |
| DOVER SOLE | 9.9 | 6.6 | 3.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REX SOLE | 43.8 | 14.3 | 36.4 | 3.6 | 0.0 | 0.6 | 1.8 | 0.4 | 0.0 | 3.6 | 0.0 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 66.8 | 3.7 | 9.7 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 1.2 | 0.0 | 1.5 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 21.5 | 0.0 | 5.2 | 41.2 | 47.3 | 11.3 | 6.8 | 0.0 | 5.5 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 3.8 | 0.5 | 0.0 | 0.0 | 0.0 | 0.2 | 133.1 | 0.4 | 0.4 |
| DUSKY RCKFISH | 2.5 | 0.0 | 3.7 | 0.0 | 0.0 | 0.0 | 3.8 | 1.3 | 5.3 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 3.9 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 22.9 | 7.2/ | 0.0 | 6.2 | 7.0 | 4.2 | 0.1 | 8.4 | 0.0 | 11.6 | 6.1 |
| SKATES | 1.2 | 5.0 | 4.5 | 0.0 | 1.4 | 29.6 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 105.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.4 | 0.3 | 0.2 | 0.3 | 0.4 | 0.2 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 397 | 398 | 399 | 400 | 401 | 402 | 403 | 404 | 405 | 406 | 407 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 8/18/87 | 8/18/87 | 8/18/87 | 8/19/87 | 8/19/87 | 8/19/87 | 8/19/87 | 8/19/87 | 8/19/87 | 8/20/87 | 8/20/87 |
| LATITUDE START | 54 40.6 | 54 33.7 | 54 25.8 | 54 35.0 | 54 36.5 | 54 52.7 | 55 0.3 | 54 53.9 | 54 39.9 | 54 45.7 | 54 19.8 |
| LONGITUDE START | 159 6.5 | 158 57.6 | 159 38.3 | 159 55.1 | 159 56.5 | 160 33.6 | 160 54.0 | 161 19.6 | 161 16.2 | 160 52.8 | 160 18.0 |
| LATITUDE END | 54 39.1 | 54 32.7 | 54 25.0 | 54 35.2 | 54 34.4 | 54 52.7 | 55 1.7 | 54 51.8 | 54 37.8 | 54 46.5 | 54 18.8 |
| LONGITUDE END | 159 3.8 | 159 1.3 | 159 42.4 | 159 55.3 | 159 55.9 | 160 37.7 | 160 56.2 | 161 19.1 | 161 14.7 | 160 49.3 | 160 21.8 |
| LORAN START | 33754.00 | 33756.60 | 33869.10 | 33878.50 | 33877.40 | 33910.50 | 33933.30 | 34014.50 | 34049.40 | 33977.40 | 33974.70 |
| LORAN START | 45828.60 | 45783.70 | 46034.30 | 46127.30 | 46134.70 | 46350.90 | 46474.10 | 46636.60 | 46619.00 | 46473.30 | 46276.00 |
| LORAN END | 33753.00 | 33767.70 | 33880.60 | | 33882.20 | 33920.20 | 33934.00 | 34019.70 | 34051.90 | 33966.50 | 33986.00 |
| LORAN END | 45814.40 | 45806.90 | 46059.60 | | 46132.40 | 46376.50 | 46487.20 | 46633.50 | 46610.20 | 46451.00 | 46299.20 |
| GEAR DEPTH | 45 | 85 | 87 | 46 | 46 | 40 | 57 | 55 | 67 | 52 | 86 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.05 | 0.50 | 0.50 | 0.43 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 2.15 | 2.37 | 2.54 | 0.24 | 2.08 | 2.38 | 1.84 | 2.14 | 2.24 | 2.23 | 2.44 |
| PERFORMANCE / GEAR | 1 /717 | 0 /717 | 0 /717 | 6 /717 | 1 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 808.4 | 1336.9 | 3.4 | 519.1 | 0.2 |
| PACIFIC COD | 0.0 | 0.7 | 2.6 | 0.0 | 1.9 | 9.4 | 68.0 | 25.1 | 48.6 | 422.8 | 903.4 |
| SABLEFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 107.9 |
| ARROWTOOTH FL. | 0.0 | 1326.8 | 1450.4 | 0.0 | 0.0 | 686.2 | 473.0 | 259.7 | 293.0 | 375.1 | 2499.2 |
| HALIBUT | 28.9 | 117.9 | 130.9 | 0.0 | 524.7 | 142.2 | 584.2 | 326.4 | 42.0 | 33.9 | 242.9 |
| FLATHEAD SOLE | 0.0 | 0.7 | 1.7 | 0.0 | 0.0 | 85.5 | 57.0 | 51.5 | 66.8 | 44.1 | 1.3 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REX SOLE | 0.0 | 4.2 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 9.7 | 5.6 | 0.6 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 4.1 | 14.2 | 2.0 | 0.0 | 2.9 | 238.2 | 28.7 | 15.3 | 5.0 | 56.4 | 1.3 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 7.8 | 9.6 | 0.0 | 0.0 | 509.2 | 0.0 | 0.5 | 1.2 | 0.0 | 0.0 | 14.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 45.5 | 7.4 | 0.0 | 0.0 | 2720.2 | 3.0 | 1.2 | 0.3 | 0.0 | 0.0 | 17.0 |
| DUSKY RCKFISH | 6.0 | 0.8 | 0.0 | 0.0 | 26.5 | 9.5 | 0.7 | 0.0 | 0.0 | 0.0 | 1.3 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.7 | 0.0 | 0.0 | 0.0 | 27.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 | 5359.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 6.2 | 12.7 | 0.0 | 0.0 | 0.6 | 9.4 | 2.4 | 9.7 | 10.7 | 3.8 | 0.3 |
| SKATES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 51.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 | 416 | 417 | 418 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 8/20/87 | 8/20/87 | 8/20/87 | 8/21/87 | 8/21/87 | 8/21/87 | 8/21/87 | 8/21/87 | 8/22/87 | 8/22/87 | 8/22/87 |
| LATITUDE START | 54 18.8 | 54 22.2 | 54 31.5 | 54 16.3 | 54 6.8 | 54 6.2 | 54 10.3 | 54 12.9 | 54 4.4 | 54 12.6 | 54 28.9 |
| LONGITUDE START | 160 55.4 | 161 26.3 | 161 38.0 | 161 51.9 | 161 36.8 | 161 42.6 | 162 18.7 | 162 10.8 | 162 47.1 | 162 52.3 | 162 58.3 |
| LATITUDE END | 54 18.9 | 54 23.0 | 54 31.3 | 54 14.2 | 54 5.6 | 54 6.4 | 54 9.3 | 54 13.0 | 54 4.3 | 54 15.0 | 54 29.6 |
| LONGITUDE END | 160 59.5 | 161 30.0 | 161 42.1 | 161 52.5 | 161 40.1 | 161 46.3 | 162 15.5 | 162 9.7 | 162 51.2 | 162 52.7 | 163 1.7 |
| LORAN START | 34061.50 | 34122.50 | 34124.30 | 34196.90 | 34186.50 | 34201.00 | 34273.20 | 34248.70 | 34351.70 | 34344.90 | 34320.20 |
| LORAN START | 46499.90 | 46683.80 | 46753.60 | 46837.50 | 46748.60 | 46782.50 | 46996.20 | 46949.70 | 47161.40 | 47195.40 | 47238.70 |
| LORAN END | 34070.40 | 34129.00 | 34134.30 | 34203.70 | 34196.90 | 34209.10 | 34268.30 | 34246.00 | 34361.10 | 34340.60 | 34326.60 |
| LORAN END | 46524.30 | 46706.30 | 46778.40 | 46841.10 | 46767.80 | 46804.60 | 46977.20 | 46943.40 | 47185.20 | 47199.10 | 47260.00 |
| GEAR DEPTH | 85 | 45 | 41 | 39 | 145 | 87 | 208 | 43 | 44 | 33 | 26 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.45 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 2.40 | 2.34 | 2.38 | 2.16 | 2.28 | 2.21 | 2.12 | 0.63 | 2.40 | 2.33 | 2.16 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 6 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 0.0 | 0.0 | 0.0 | 0.0 | 12.2 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.4 |
| PACIFIC COD | 1968.2 | 3.5 | 0.4 | 0.0 | 0.0 | 243.1 | 0.0 | 0.0 | 0.0 | 9.5 | 39.0 |
| SABLEFISH | 61.2 | 0.0 | 0.0 | 0.0 | 6.0 | 4.8 | 127.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 2598.2 | 0.0 | 0.0 | 0.0 | 90.4 | 33.2 | 75.4 | 0.0 | 0.0 | 0.4 | 0.2 |
| HALIBUT | 282.7 | 52.3 | 134.7 | 82.8 | 83.4 | 14.2 | 28.0 | 0.0 | 75.7 | 42.8 | 174.2 |
| FLATHEAD SOLE | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 2.4 | 0.0 | 0.0 | 0.0 | 4.2 | 0.0 | 27.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| REX SOLE | 18.4 | 0.0 | 0.0 | 0.0 | 4.2 | 0.0 | 18.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 1.3 | 0.0 | 17.7 | 2.4 | 0.0 | 2.1 | 1.0 | 0.0 | 4.3 | 14.5 | 42.2 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 26.2 | 72.3 | 0.0 | 20.3 | 46.7 | 8.0 | 20.6 | 0.0 | 16.7 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 14.5 | 0.9 | 167.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 326.8 | 5.0 | 152.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 2.9 | 423.3 | 6.3 | 126.8 | 0.0 | 0.0 | 0.0 | 0.0 | 690.5 | 0.0 | 0.0 |
| DUSKY RCKFISH | 25.3 | 53.6 | 0.0 | 23.4 | 5.3 | 0.0 | 0.0 | 0.0 | 20.8 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 0.0 | 171.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 6.8 | 1.3 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 158.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 5.0 | 6.1 | 0.0 | 0.9 | 101.6 | 106.2 | 11.0 | 0.0 | 1.8 | 1.2 | 0.4 |
| SKATES | 14.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 8/22/87 | 8/23/87 | 8/23/87 | 8/23/87 | 8/23/87 | 8/23/87 | 8/23/87 | 8/24/87 | 8/24/87 | 8/24/87 | 8/24/87 |
| LATITUDE START | 54 26.5 | 54 31.7 | 54 15.1 | 54 12.1 | 54 13.9 | 54 11.3 | 53 54.5 | 53 54.5 | 53 58.1 | 54 7.1 | 53 56.4 |
| LONGITUDE START | 163 20.9 | 163 57.7 | 164 13.3 | 163 54.9 | 163 38.2 | 163 19.8 | 163 37.3 | 164 10.9 | 164 21.1 | 164 32.8 | 164 48.4 |
| LATITUDE END | 54 25.4 | 54 31.9 | 54 14.7 | 54 12.1 | 54 14.0 | 54 10.6 | 53 53.5 | 53 54.8 | 53 58.8 | 54 6.8 | 53 54.4 |
| LONGITUDE END | 163 24.9 | 164 1.8 | 164 9.0 | 163 50.9 | 163 34.4 | 163 16.2 | 163 38.4 | 164 15.2 | 164 25.0 | 164 37.0 | 164 47.0 |
| LORAN START | 34379.40 | 34455.00 | 18221.80 | 18227.60 | 18249.30 | 18255.60 | 18178.60 | 18143.80 | 18146.70 | 18170.00 | 18108.20 |
| LORAN START | 47372.70 | 47596.20 | 47671.60 | 47561.80 | 47466.10 | 47356.50 | 47444.90 | 47635.00 | 47696.60 | 47773.70 | 47847.20 |
| LORAN END | 34391.80 | 34464.20 | 18224.20 | 18231.30 | 18253.10 | 18256.10 | 18173.80 | 18140.20 | 18145.20 | 18164.40 | 18101.20 |
| LORAN END | 47396.40 | 47621.10 | 47646.10 | 47538.60 | 47443.90 | 47334.90 | 47449.90 | 47659.60 | 47719.50 | 47797.00 | 47836.30 |
| GEAR DEPTH | 56 | 44 | 37 | 57 | 49 | 40 | 42 | 44 | 57 | 44 | 49 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.27 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 2.66 | 2.43 | 2.58 | 2.35 | 2.24 | 2.24 | 1.18 | 2.57 | 2.42 | 2.47 | 2.27 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 1 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 35.5 | 1.2 | 0.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 |
| PACIFIC COD | 169.9 | 47.4 | 16.5 | 92.7 | 383.8 | 18.1 | 7.3 | 4.1 | 324.0 | 16.7 | 57.2 |
| SABLEFISH | 0.0 | 0.0 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 179.3 | 32.7 | 0.0 | 241.7 | 17.8 | 2.1 | 0.0 | 0.0 | 409.3 | 4.2 | 0.0 |
| HALIBUT | 37.9 | 205.8 | 83.5 | 37.2 | 255.9 | 57.6 | 0.0 | 20.7 | 199.4 | 105.6 | 32.0 |
| FLATHEAD SOLE | 126.9 | 85.9 | 0.0 | 57.6 | 123.1 | 18.5 | 0.0 | 0.0 | 3.1 | 0.0 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REX SOLE | 44.4 | 7.0 | 0.0 | 15.4 | 0.0 | 0.0 | 0.0 | 0.0 | 13.1 | 0.0 | 0.0 |
| YELLOWFIN SOLE | 0.0 | 7.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 94.0 | 163.5 | 7.7 | 26.8 | 151.7 | 19.1 | 4.9 | 29.5 | 42.4 | 10.5 | 52.5 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 20.7 | 0.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 61.0 | 134.8 | 0.0 | 0.0 | 1.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.4 | 4.2 | 0.0 | 0.0 | 1.4 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 | 0.6 | 0.0 | 0.0 | 0.0 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 8.3 | 0.8 | 2.9 | 12.4 | 0.0 | 0.7 | 2.7 | 0.0 | 6.0 | 10.6 | 1.2 |
| SKATES | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 430 | 431 | 432 | 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 8/24/87 | 8/25/87 | 8/25/87 | 8/25/87 | 8/25/87 | 8/25/87 | 8/25/87 | 8/26/87 | 8/26/87 | 8/26/87 | 8/26/87 |
| LATITUDE START | 53 43.2 | 53 46.4 | 53 57.2 | 53 52.3 | 53 49.0 | 53 52.1 | 53 30.4 | 53 25.5 | 53 22.1 | 53 15.2 | 53 12.0 |
| LONGITUDE START | 164 42.5 | 165 11.9 | 165 12.6 | 165 20.4 | 165 35.9 | 165 46.0 | 165 53.7 | 166 1.3 | 166 23.5 | 166 24.7 | 166 55.0 |
| LATITUDE END | 53 43.2 | 53 44.9 | 53 57.0 | 53 49.9 | 53 49.2 | 53 53.5 | 53 29.5 | 53 24.4 | 53 21.8 | 53 14.1 | 53 10.8 |
| LONGITUDE END | 164 46.9 | 165 15.4 | 165 16.7 | 165 21.9 | 165 40.3 | 165 49.5 | 165 57.7 | 166 4.9 | 166 27.3 | 166 28.1 | 166 58.3 |
| LORAN START | 18060.10 | 18034.70 | 18080.70 | 18048.70 | 18012.10 | 18010.90 | 17898.20 | 17862.30 | 17805.10 | 17769.70 | 17692.00 |
| LORAN START | 47796.70 | 47960.40 | 47981.40 | 48015.60 | 48093.20 | 48152.80 | 48151.80 | 48181.00 | 48284.30 | 48275.80 | 48412.40 |
| LORAN END | 18054.60 | 18023.10 | 18074.60 | 18035.90 | 18006.20 | 18012.20 | 17887.00 | 17850.50 | 17796.20 | 17757.90 | 17678.70 |
| LORAN END | 47820.30 | 47977.10 | 48003.60 | 48020.10 | 48116.80 | 48173.80 | 48170.60 | 48196.90 | 48302.20 | 48289.60 | 48425.30 |
| GEAR DEPTH | 85 | 90 | 55 | 53 | 41 | 41 | 84 | 141 | 90 | 219 | 82 |
| 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 | 2.57 | 2.60 | 2.43 | 2.58 | 2.61 | 2.49 | 2.59 | 2.45 | 2.30 | 2.28 | 2.36 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 | 0 /717 |
| POLLOCK | 0.0 | 1.3 | 0.0 | 1.1 | 1.4 | 0.0 | 0.0 | 33.4 | 0.0 | 0.0 | 0.0 |
| PACIFIC COD | 429.5 | 131.7 | 3.4 | 357.6 | 276.0 | 24.1 | 314.0 | 6.5 | 398.9 | 0.0 | 78.9 |
| SABLEFISH | 37.9 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 | 4.9 | 86.8 | 0.0 |
| ARROWTOOTH FL. | 1118.7 | 219.6 | 0.2 | 374.2 | 24.5 | 6.7 | 345.7 | 11.3 | 514.4 | 3.5 | 180.3 |
| HALIBUT | 112.3 | 44.4 | 256.7 | 86.1 | 34.6 | 171.9 | 8.7 | 1.3 | 125.3 | 0.0 | 115.0 |
| FLATHEAD SOLE | 10.6 | 6.6 | 0.0 | 2.7 | 0.0 | 0.0 | 6.3 | 8.2 | 2.3 | 0.0 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 0.0 |
| REX SOLE | 3.1 | 111.0 | 0.0 | 0.5 | 0.0 | 0.0 | 6.3 | 14.0 | 63.8 | 0.0 | 0.6 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 25.4 | 0.0 | 5.4 | 195.3 | 115.7 | 25.5 | 25.5 | 3.2 | 38.1 | 0.0 | 38.6 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.2 | 10239.5 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.8 | 3.9 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 38.6 | 0.0 | 43.1 | 4.5 |
| NORTHERN RKFH | 0.4 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 3.9 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 | 0.6 | 0.0 | 0.0 | 0.0 | 3.6 | 0.0 | 0.0 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 0.0 |
| SCULPINS | 0.0 | 0.0 | 3.9 | 13.7 | 1.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 |
| SKATES | 29.7 | 12.0 | 0.0 | 17.5 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448 | 449 | 450 | 451 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/26/87 | 6/27/87 | 6/27/87 | 6/27/87 | 6/27/87 | 6/28/87 | 6/28/87 | 6/28/87 | 6/28/87 | 6/28/87 | 6/28/87 |
| LATITUDE START | 53 17.0 | 53 1.6 | 52 57.1 | 53 9.3 | 53 11.3 | 53 1.9 | 52 56.4 | 52 52.6 | 52 44.3 | 52 42.1 | 52 38.8 |
| LONGITUDE START | 167 6.7 | 167 26.3 | 167 51.1 | 167 54.3 | 168 10.9 | 168 18.8 | 168 24.3 | 168 38.1 | 169 0.9 | 169 4.3 | 168 56.7 |
| LATITUDE END | 53 15.8 | 53 1.1 | 52 56.9 | 53 9.4 | 53 9.0 | 52 59.5 | 52 54.6 | 52 52.3 | 52 44.2 | 52 42.2 | 52 39.6 |
| LONGITUDE END | 167 9.8 | 167 30.3 | 167 54.4 | 167 58.0 | 168 12.2 | 168 18.6 | 168 24.3 | 168 41.8 | 169 1.1 | 169 4.2 | 168 59.7 |
| LORAN START | 17691.30 | 17567.50 | 17482.80 | 17537.60 | 17504.70 | 17432.80 | 17388.20 | 17327.60 | 17214.30 | 17191.60 | 17198.10 |
| LORAN START | 48478.60 | 48530.10 | 48626.10 | 48671.10 | 48746.80 | 48753.80 | 48761.40 | 48805.80 | 48869.90 | 48876.70 | 48839.20 |
| LORAN END | 17678.40 | 17555.40 | 17473.00 | 17528.40 | 17488.70 | 17420.70 | 17378.50 | 17315.20 | 17213.00 | 17192.50 | 17192.80 |
| LORAN END | 48490.00 | 48546.40 | 48639.70 | 48687.30 | 48745.80 | 48746.70 | 48756.50 | 48819.60 | 48870.60 | 48876.40 | 48852.40 |
| GEAR DEPTH | 51 | 85 | 77 | 41 | 36 | 46 | 49 | 47 | 49 | 56 | 87 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.42 | 0.50 | 0.50 | 0.50 | 0.40 | 0.50 | 0.07 | 0.05 | 0.50 |
| DISTANCE FISHED | 2.21 | 2.44 | 2.03 | 2.25 | 2.47 | 2.38 | 1.84 | 2.27 | 0.18 | 0.12 | 1.97 |
| PERFORMANCE / GEAR | 1 /717 | 0 /717 | 1 /717 | 0 /717 | 0 /717 | 0 /717 | 1 /717 | 0 /717 | 6 /717 | 6 /717 | 1 /717 |
| POLLOCK | 0.1 | 52.3 | 9512.7 | 0.0 | 0.0 | 0.4 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 |
| PACIFIC COD | 94.0 | 518.6 | 255.5 | 40.8 | 0.5 | 58.8 | 4.6 | 239.4 | 0.0 | 0.0 | 528.7 |
| SABLEFISH | 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 | 44.4 | 13.9 | 0.0 | 0.0 | 15.7 | 0.0 | 4.2 | 0.0 | 0.0 | 0.7 |
| HALIBUT | 79.9 | 73.7 | 57.0 | 30.2 | 0.0 | 86.3 | 123.9 | 84.4 | 0.0 | 0.0 | 599.0 |
| FLATHEAD SOLE | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REX SOLE | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 26.6 | 45.4 | 49.7 | 32.2 | 2.9 | 130.8 | 45.0 | 69.3 | 0.0 | 0.0 | 2.8 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 79.0 | 0.0 | 5204.4 | 0.4 | 0.0 | 0.4 | 1.9 | 0.0 | 0.0 | 0.0 | 534.7 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 25.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 |
| THORNYHEADS | 0.0 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 29.7 | 0.0 | 1353.3 | 14.6 | 0.0 | 1.7 | 1.5 | 0.0 | 0.0 | 0.0 | 329.8 |
| DUSKY RCKFISH | 2.1 | 0.0 | 1950.2 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 417.3 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.4 | 0.0 | 370.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.5 |
| REDSTRIPE RF | 0.0 | 0.0 | 6.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| SHARPCHIN RF | 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 | 651.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 4.3 | 0.0 | 21.4 | 1.7 | 0.0 | 9.6 | 0.0 | 721.0 | 0.0 | 0.0 | 10.9 |
| SKATES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 |
| SPINY DOGFISH | 0.0 | 0.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 95.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE TAISEI MARU NO. 35 DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 452 | 453 | 454 |
|---|---|---|---|
| MONTH/DAY/YEAR | 8/29/87 | 8/29/87 | 8/29/87 |
| LATITUDE START | 52 30 2 | 52 32.7 | 52 37.6 |
| LONGITUDE START | 169 40.8 | 169 40.0 | 169 45.5 |
| LATITUDE END | 52 30.0 | 52 32.4 | 52 37.7 |
| LONGITUDE END | 169 44.7 | 169 43.7 | 169 43.4 |
| LORAN START | 17006.90 | 17022.50 | 17029.40 |
| LORAN START | 48973.00 | 48977.20 | 49009.80 |
| LORAN END | 16992.10 | 17008.50 | 17037.70 |
| LORAN END | 48985.60 | 48989.10 | 49003.10 |
| GEAR DEPTH | 137 | 85 | 38 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.27 |
| DISTANCE FISHED | 2.39 | 2.25 | 1.30 |
| PERFORMANCE / GEAR | 0 /717 | 0 /717 | 1 /717 |
| | | | |
| POLLOCK | 5467.4 | 1.2 | 0.0 |
| PACIFIC COD | 98.9 | 47.0 | 1.7 |
| SABLEFISH | 17.8 | 0.0 | 0.0 |
| | | | |
| ARROWTOOTH FL | 47.6 | 1.1 | 0.0 |
| HALIBUT | 109.1 | 151.0 | 139.8 |
| FLATHEAD SOLE | 0.0 | 0.0 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 |
| REX SOLE | 0.0 | 0.0 | 0.0 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 1.5 | 0.7 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 |
| | | | |
| PAC OC PERCH | 925.4 | 5.9 | 0.0 |
| ROUGHEYE RKFH | 14.9 | 0.0 | 0.0 |
| THORNYHEADS | 3.4 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 11.2 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 0.0 | 0.0 | 0.0 |
| | | | |
| ATKA MACKEREL | 0.0 | 0.0 | 34.4 |
| GRENADIERS | 0.0 | 0.0 | 0.0 |
| SCULPINS | 10.8 | 2.1 | 10.7 |
| | | | |
| SKATES | 0.0 | 47.1 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 |
| | | | |
| TANNER CRAB | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 |

Section 2 (continued)

Fishing log for the Taisei Maru No. 35

Summary listings of catch rates in descending order of magnitude for selected species of commercial interest

- Catch rates (kg/nm) are standardized to a trawl width of approximately 15 meters. The fishing efficiency adjustments between vessels, used in the distribution and abundance plots in Section 1, are not used.

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ARROWTOOTH FLOUNDER

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 155 | 4095.5 | 2.9 | 104 |
| 103 | 2419.1 | 1.5 | 90 |
| 310 | 2035.4 | 1.2 | 57 |
| 121 | 1305.3 | 1.2 | 90 |
| 14 | 989.2 | 1.2 | 85 |
| 149 | 788.6 | 1.3 | 82 |
| 311 | 749.2 | 0.9 | 44 |
| 168 | 701.2 | 0.9 | 97 |
| 161 | 691.0 | 0.7 | 68 |
| 146 | 601.0 | 1.5 | 90 |
| 36 | 576.3 | 2.0 | 98 |
| 54 | 575.0 | 1.1 | 107 |
| 288 | 572.6 | 1.3 | 101 |
| 408 | 566.8 | 1.2 | 85 |
| 407 | 536.2 | 0.9 | 86 |
| 364 | 514.0 | 1.6 | 106 |
| 326 | 464.1 | 1.4 | 66 |
| 93 | 459.1 | 1.5 | 96 |
| 184 | 456.4 | 1.3 | 83 |
| 355 | 430.3 | 1.7 | 74 |
| 289 | 413.5 | 1.3 | 66 |
| 156 | 411.2 | 1.2 | 90 |
| 273 | 405.1 | 0.7 | 85 |
| 285 | 371.5 | 0.8 | 98 |
| 167 | 368.2 | 0.9 | 104 |
| 249 | 364.4 | 1.3 | 86 |
| 187 | 352.2 | 1.1 | 83 |
| 39 | 351.7 | 1.9 | 104 |
| 119 | 347.3 | 1.1 | 78 |
| 86 | 342.7 | 0.5 | 60 |
| 158 | 341.9 | 1.1 | 60 |
| 85 | 340.3 | 0.8 | 71 |
| 147 | 339.8 | 1.2 | 90 |
| 115 | 335.5 | 0.7 | 93 |
| 330 | 324.1 | 1.6 | 96 |
| 65 | 302.1 | 1.0 | 112 |
| 399 | 298.9 | 0.5 | 87 |
| 182 | 294.8 | 1.1 | 80 |
| 398 | 293.1 | 0.4 | 85 |
| 362 | 282.3 | 1.5 | 96 |
| 26 | 279.2 | 1.2 | 68 |
| 188 | 275.7 | 0.9 | 83 |
| 45 | 273.2 | 1.2 | 101 |
| 72 | 271.0 | 0.7 | 68 |
| 163 | 266.9 | 0.7 | 82 |
| 356 | 263.1 | 1.2 | 69 |
| 370 | 261.3 | 1.9 | 108 |
| 124 | 258.4 | 1.2 | 93 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ARROWTOOTH FLOUNDER

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 369 | 258.0 | 1.3 | 104 |
| 373 | 251.2 | 0.9 | 93 |
| 189 | 244.8 | 1.1 | 79 |
| 181 | 242.9 | 0.9 | 78 |
| 359 | 239.4 | 2.3 | 93 |
| 64 | 238.8 | 0.7 | 110 |
| 232 | 235.0 | 0.8 | 82 |
| 349 | 233.4 | 0.2 | 66 |
| 139 | 232.9 | 0.7 | 66 |
| 383 | 231.2 | 0.7 | 71 |
| 375 | 229.7 | 1.6 | 102 |
| 183 | 228.3 | 1.0 | 82 |
| 430 | 227.9 | 0.8 | 85 |
| 138 | 226.8 | 1.2 | 66 |
| 345 | 224.6 | 1.4 | 66 |
| 191 | 219.2 | 0.9 | 82 |
| 338 | 217.5 | 0.5 | 52 |
| 116 | 217.4 | 0.7 | 85 |
| 186 | 217.0 | 1.0 | 79 |
| 208 | 211.4 | 0.6 | 48 |
| 386 | 210.1 | 1.1 | 77 |
| 180 | 207.3 | 0.9 | 80 |
| 335 | 202.8 | 0.4 | 63 |
| 114 | 194.6 | 1.4 | 82 |
| 118 | 192.9 | 1.0 | 77 |
| 190 | 190.5 | 0.9 | 80 |
| 145 | 187.0 | 1.2 | 96 |
| 105 | 186.4 | 0.6 | 98 |
| 209 | 182.6 | 2.0 | 55 |
| 351 | 177.8 | 1.5 | 85 |
| 352 | 174.1 | 0.6 | 66 |
| 287 | 173.5 | 1.0 | 55 |
| 374 | 173.1 | 0.7 | 79 |
| 194 | 172.7 | 0.4 | 52 |
| 111 | 169.5 | 1.9 | 87 |
| 392 | 169.1 | 0.8 | 75 |
| 385 | 168.5 | 2.3 | 103 |
| 296 | 168.2 | 1.2 | 82 |
| 144 | 165.8 | 1.3 | 71 |
| 211 | 165.0 | 1.3 | 56 |
| 346 | 162.3 | 0.4 | 66 |
| 66 | 162.1 | 0.6 | 82 |
| 402 | 160.1 | 0.3 | 40 |
| 137 | 157.6 | 0.6 | 55 |
| 331 | 157.1 | 0.7 | 60 |
| 89 | 155.4 | 0.9 | 108 |
| 120 | 153.6 | 1.1 | 85 |
| 84 | 151.2 | 1.1 | 82 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ARROWTOOTH FLOUNDER

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 264 | 150.5 | 1.0 | 93 |
| 325 | 149.3 | 0.6 | 45 |
| 185 | 147.0 | 0.8 | 78 |
| 207 | 146.2 | 1.5 | 52 |
| 353 | 142.6 | 0.6 | 73 |
| 196 | 140.2 | 0.8 | 53 |
| 47 | 135.7 | 0.6 | 104 |
| 44 | 135.2 | 0.9 | 77 |
| 302 | 134.9 | 1.5 | 94 |
| 403 | 134.6 | 1.9 | 57 |
| 202 | 133.8 | 1.4 | 90 |
| 78 | 133.5 | 0.6 | 67 |
| 250 | 132.0 | 1.1 | 79 |
| 327 | 129.6 | 1.4 | 98 |
| 294 | 129.1 | 1.0 | 87 |
| 210 | 128.6 | 1.4 | 56 |
| 35 | 128.2 | 0.7 | 79 |
| 256 | 127.1 | 1.0 | 85 |
| 315 | 126.8 | 1.0 | 82 |
| 57 | 125.5 | 0.5 | 104 |
| 30 | 122.8 | 0.6 | 66 |
| 257 | 122.6 | 1.1 | 67 |
| 262 | 118.3 | 1.3 | 118 |
| 258 | 118.1 | 1.2 | 63 |
| 332 | 118.0 | 1.3 | 93 |
| 297 | 117.4 | 1.2 | 98 |
| 438 | 117.1 | 1.1 | 90 |
| 360 | 115.5 | 0.8 | 57 |
| 254 | 114.5 | 1.2 | 68 |
| 94 | 113.0 | 1.2 | 139 |
| 5 | 111.4 | 0.5 | 93 |
| 151 | 110.9 | 0.5 | 55 |
| 354 | 110.4 | 1.0 | 72 |
| 324 | 109.6 | 1.1 | 123 |
| 157 | 109.3 | 0.5 | 55 |
| 68 | 108.2 | 0.7 | 82 |
| 51 | 107.3 | 0.6 | 104 |
| 387 | 105.9 | 0.9 | 104 |
| 339 | 103.6 | 0.3 | 57 |
| 117 | 103.0 | 1.0 | 68 |
| 252 | 101.6 | 1.1 | 101 |
| 384 | 101.5 | 1.3 | 98 |
| 238 | 100.0 | 0.9 | 71 |
| 212 | 97.7 | 1.3 | 56 |
| 281 | 97.4 | 0.8 | 74 |
| 389 | 96.5 | 0.8 | 75 |
| 253 | 95.4 | 0.5 | 63 |
| 304 | 95.3 | 1.1 | 118 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ARROWTOOTH FLOUNDER

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 283 | 93.8 | 0.8 | 78 |
| 406 | 93.4 | 0.4 | 52 |
| 12 | 91.4 | 1.1 | 86 |
| 234 | 90.7 | 1.2 | 66 |
| 305 | 90.0 | 1.3 | 110 |
| 95 | 89.7 | 1.5 | 101 |
| 70 | 89.6 | 0.9 | 93 |
| 323 | 89.3 | 0.6 | 55 |
| 122 | 88.8 | 2.3 | 104 |
| 427 | 88.5 | 0.4 | 57 |
| 390 | 87.9 | 1.4 | 77 |
| 367 | 87.0 | 0.8 | 45 |
| 230 | 86.7 | 1.1 | 103 |
| 206 | 84.6 | 1.2 | 55 |
| 380 | 84.6 | 1.5 | 107 |
| 61 | 83.6 | 0.7 | 109 |
| 433 | 80.5 | 0.4 | 53 |
| 197 | 80.4 | 0.3 | 51 |
| 63 | 80.2 | 0.4 | 82 |
| 48 | 80.0 | 1.2 | 134 |
| 83 | 79.7 | 0.5 | 82 |
| 379 | 78.1 | 1.4 | 107 |
| 198 | 77.0 | 0.5 | 55 |
| 110 | 74.1 | 1.9 | 200 |
| 280 | 72.9 | 0.8 | 74 |
| 336 | 72.7 | 1.3 | 90 |
| 79 | 71.5 | 0.9 | 69 |
| 21 | 70.9 | 0.5 | 104 |
| 174 | 70.3 | 1.7 | 98 |
| 34 | 69.9 | 0.5 | 77 |
| 436 | 69.9 | 0.6 | 84 |
| 405 | 68.5 | 0.4 | 67 |
| 303 | 68.0 | 1.2 | 98 |
| 43 | 67.7 | 0.4 | 50 |
| 298 | 67.6 | 1.1 | 85 |
| 199 | 66.9 | 0.5 | 55 |
| 334 | 65.9 | 0.8 | 90 |
| 272 | 65.3 | 0.8 | 67 |
| 299 | 65.1 | 0.9 | 90 |
| 393 | 64.2 | 0.8 | 89 |
| 99 | 64.0 | 1.5 | 191 |
| 404 | 63.5 | 1.0 | 55 |
| 165 | 63.5 | 1.1 | 115 |
| 71 | 63.4 | 0.5 | 82 |
| 263 | 62.2 | 0.8 | 98 |
| 307 | 60.0 | 1.7 | 150 |
| 132 | 59.8 | 1.0 | 159 |
| 388 | 59.7 | 0.8 | 63 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ARROWTOOTH FLOUNDER

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 106 | 59.6 | 1.5 | 156 |
| 131 | 59.0 | 1.1 | 98 |
| 350 | 58.7 | 1.0 | 57 |
| 329 | 57.4 | 0.9 | 113 |
| 347 | 56.3 | 0.5 | 68 |
| 77 | 55.9 | 0.3 | 60 |
| 200 | 55.5 | 0.5 | 53 |
| 59 | 55.1 | 0.8 | 98 |
| 76 | 54.0 | 0.6 | 82 |
| 52 | 53.8 | 0.9 | 87 |
| 422 | 53.8 | 0.7 | 57 |
| 104 | 53.6 | 1.0 | 107 |
| 175 | 53.2 | 1.4 | 104 |
| 278 | 51.2 | 1.0 | 104 |
| 154 | 50.6 | 0.9 | 77 |
| 301 | 48.5 | 1.0 | 97 |
| 261 | 47.8 | 0.8 | 101 |
| 69 | 46.8 | 0.8 | 85 |
| 282 | 46.8 | 0.9 | 101 |
| 295 | 46.4 | 0.7 | 72 |
| 126 | 44.7 | 0.6 | 53 |
| 431 | 44.2 | 1.4 | 90 |
| 233 | 44.0 | 1.1 | 107 |
| 92 | 43.6 | 0.5 | 107 |
| 195 | 43.3 | 0.5 | 53 |
| 82 | 43.1 | 0.5 | 85 |
| 277 | 42.5 | 0.8 | 60 |
| 259 | 42.3 | 0.2 | 104 |
| 271 | 42.2 | 1.1 | 109 |
| 328 | 42.2 | 1.1 | 134 |
| 391 | 41.9 | 0.5 | 95 |
| 343 | 41.3 | 0.7 | 87 |
| 340 | 40.3 | 2.2 | 82 |
| 440 | 40.0 | 0.4 | 82 |
| 220 | 37.8 | 2.1 | 131 |
| 270 | 36.3 | 1.2 | 104 |
| 53 | 36.2 | 1.5 | 159 |
| 18 | 36.2 | 0.3 | 81 |
| 237 | 36.0 | 1.1 | 61 |
| 341 | 35.5 | 1.0 | 79 |
| 419 | 35.3 | 0.3 | 56 |
| 113 | 34.6 | 0.4 | 60 |
| 372 | 32.7 | 1.2 | 108 |
| 395 | 32.2 | 0.7 | 71 |
| 371 | 32.0 | 2.6 | 156 |
| 56 | 31.9 | 1.2 | 205 |
| 231 | 31.7 | 1.1 | 118 |
| 255 | 31.1 | 0.6 | 67 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ARROWTOOTH FLOUNDER

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 309 | 30.8 | 1.6 | 115 |
| 291 | 30.8 | 0.8 | 82 |
| 17 | 30.5 | 0.8 | 45 |
| 75 | 30.0 | 0.6 | 85 |
| 193 | 29.7 | 0.4 | 54 |
| 166 | 29.3 | 1.2 | 139 |
| 260 | 28.6 | 0.8 | 116 |
| 11 | 28.5 | 0.4 | 98 |
| 333 | 28.3 | 0.3 | 38 |
| 62 | 28.3 | 0.4 | 96 |
| 81 | 28.1 | 0.7 | 71 |
| 19 | 27.1 | 0.3 | 52 |
| 176 | 26.8 | 0.4 | 50 |
| 129 | 26.7 | 1.4 | 106 |
| 300 | 26.7 | 1.7 | 96 |
| 344 | 26.0 | 0.8 | 77 |
| 235 | 25.9 | 0.9 | 59 |
| 217 | 25.8 | 2.2 | 120 |
| 358 | 25.6 | 1.5 | 120 |
| 172 | 25.5 | 1.9 | 153 |
| 67 | 24.7 | 0.3 | 44 |
| 228 | 24.5 | 1.1 | 191 |
| 214 | 24.3 | 1.6 | 145 |
| 215 | 24.2 | 2.1 | 139 |
| 80 | 24.1 | 0.4 | 87 |
| 306 | 24.1 | 1.5 | 142 |
| 348 | 23.8 | 0.3 | 48 |
| 203 | 23.4 | 1.7 | 107 |
| 148 | 23.3 | 0.2 | 60 |
| 213 | 22.4 | 2.1 | 128 |
| 274 | 22.1 | 0.8 | 100 |
| 216 | 22.0 | 2.5 | 124 |
| 265 | 21.9 | 1.0 | 126 |
| 164 | 21.9 | 1.7 | 197 |
| 266 | 21.7 | 0.6 | 71 |
| 342 | 21.5 | 0.4 | 66 |
| 227 | 21.2 | 1.2 | 164 |
| 140 | 20.8 | 0.4 | 48 |
| 219 | 20.0 | 1.9 | 141 |
| 412 | 19.5 | 1.3 | 145 |
| 290 | 19.4 | 0.9 | 82 |
| 29 | 19.3 | 0.2 | 52 |
| 24 | 18.5 | 1.1 | 139 |
| 308 | 18.0 | 1.2 | 148 |
| 236 | 18.0 | 1.0 | 107 |
| 414 | 17.5 | 1.7 | 208 |
| 177 | 17.4 | 0.8 | 44 |
| 42 | 17.4 | 0.5 | 55 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ARROWTOOTH FLOUNDER

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 1 | 17.1 | 0.6 | 120 |
| 173 | 16.3 | 1.4 | 98 |
| 101 | 15.9 | 1.5 | 276 |
| 15 | 15.5 | 0.9 | 46 |
| 224 | 15.4 | 1.7 | 175 |
| 10 | 15.3 | 0.4 | 153 |
| 248 | 15.1 | 1.2 | 159 |
| 363 | 14.8 | 2.1 | 189 |
| 240 | 14.5 | 1.4 | 104 |
| 192 | 14.3 | 0.5 | 53 |
| 293 | 14.2 | 1.0 | 71 |
| 73 | 14.1 | 0.3 | 52 |
| 292 | 13.5 | 0.6 | 66 |
| 357 | 13.4 | 0.4 | 52 |
| 9 | 13.3 | 0.7 | 100 |
| 8 | 13.3 | 0.7 | 219 |
| 337 | 12.8 | 1.1 | 115 |
| 74 | 12.4 | 0.3 | 77 |
| 50 | 11.6 | 1.2 | 200 |
| 218 | 11.5 | 1.7 | 156 |
| 109 | 11.2 | 1.1 | 279 |
| 241 | 10.9 | 2.0 | 104 |
| 223 | 10.7 | 1.3 | 164 |
| 246 | 10.6 | 0.9 | 87 |
| 179 | 10.2 | 1.2 | 163 |
| 225 | 9.9 | 1.2 | 175 |
| 452 | 9.8 | 2.1 | 137 |
| 102 | 9.8 | 0.7 | 82 |
| 442 | 9.5 | 0.4 | 85 |
| 3 | 9.3 | 0.4 | 68 |
| 150 | 9.3 | 0.5 | 60 |
| 23 | 9.2 | 2.2 | 246 |
| 7 | 8.7 | 0.4 | 63 |
| 130 | 8.3 | 1.2 | 191 |
| 239 | 8.2 | 2.2 | 98 |
| 381 | 8.0 | 2.9 | 219 |
| 413 | 7.9 | 0.4 | 87 |
| 32 | 7.8 | 0.3 | 33 |
| 159 | 7.7 | 1.5 | 273 |
| 226 | 7.6 | 1.9 | 175 |
| 242 | 7.5 | 1.4 | 191 |
| 420 | 7.5 | 0.4 | 44 |
| 279 | 6.4 | 1.2 | 93 |
| 275 | 6.1 | 0.9 | 71 |
| 160 | 5.6 | 0.2 | 66 |
| 222 | 5.5 | 1.4 | 180 |
| 96 | 5.3 | 1.2 | 284 |
| 434 | 5.2 | 0.5 | 41 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ARROWTOOTH FLOUNDER

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 229 | 4.9 | 1.4 | 145 |
| 6 | 4.6 | 0.2 | 63 |
| 423 | 4.4 | 1.4 | 49 |
| 55 | 4.4 | 2.2 | 301 |
| 31 | 4.3 | 0.7 | 36 |
| 276 | 3.9 | 0.5 | 98 |
| 247 | 3.8 | 1.9 | 355 |
| 446 | 3.7 | 0.3 | 46 |
| 443 | 3.6 | 1.0 | 77 |
| 112 | 3.4 | 0.2 | 41 |
| 169 | 3.0 | 1.2 | 191 |
| 46 | 2.9 | 1.3 | 284 |
| 269 | 2.8 | 0.8 | 53 |
| 58 | 2.7 | 0.3 | 45 |
| 221 | 2.7 | 1.5 | 186 |
| 170 | 2.4 | 1.6 | 284 |
| 437 | 2.3 | 0.9 | 141 |
| 245 | 1.9 | 2.8 | 189 |
| 28 | 1.9 | 1.2 | 54 |
| 435 | 1.5 | 1.3 | 41 |
| 171 | 1.5 | 1.6 | 328 |
| 33 | 1.3 | 0.4 | 44 |
| 448 | 1.0 | 0.4 | 47 |
| 251 | 1.0 | 0.9 | 63 |
| 428 | 0.9 | 1.1 | 44 |
| 394 | 0.9 | 0.4 | 39 |
| 97 | 0.8 | 1.7 | 394 |
| 178 | 0.8 | 0.6 | 44 |
| 439 | 0.8 | 0.9 | 219 |
| 13 | 0.7 | 1.4 | 301 |
| 424 | 0.5 | 2.1 | 40 |
| 60 | 0.5 | 0.3 | 49 |
| 267 | 0.4 | 0.6 | 67 |
| 453 | 0.3 | 0.3 | 85 |
| 135 | 0.2 | 0.5 | 30 |
| 451 | 0.2 | 0.2 | 87 |
| 204 | 0.2 | 0.4 | 45 |
| 417 | 0.1 | 0.2 | 33 |
| 382 | 0.1 | 0.1 | 54 |
| 123 | 0.1 | 0.3 | 38 |
| 162 | 0.1 | 0.2 | 57 |
| 87 | 0.1 | 0.2 | 49 |
| 418 | 0.0 | 0.0 | 26 |
| 432 | 0.0 | 0.1 | 55 |
| 136 | 0.0 | 0.1 | 27 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC HALIBUT

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 155 | 3878.0 | 19.6 | 104 |
| 377 | 967.4 | 3.5 | 44 |
| 369 | 686.7 | 16.3 | 104 |
| 293 | 452.8 | 16.3 | 71 |
| 14 | 342.8 | 3.1 | 85 |
| 311 | 284.3 | 7.7 | 44 |
| 286 | 265.7 | 4.0 | 41 |
| 201 | 238.0 | 6.4 | 28 |
| 39 | 231.5 | 10.6 | 104 |
| 366 | 220.5 | 9.2 | 22 |
| 360 | 214.6 | 36.6 | 57 |
| 153 | 212.7 | 8.7 | 26 |
| 149 | 207.5 | 11.0 | 82 |
| 15 | 196.0 | 14.3 | 46 |
| 89 | 190.5 | 10.6 | 108 |
| 30 | 190.0 | 20.0 | 66 |
| 3 | 184.1 | 20.7 | 68 |
| 262 | 171.0 | 20.0 | 118 |
| 121 | 170.6 | 14.9 | 90 |
| 403 | 166.2 | 18.3 | 57 |
| 178 | 165.6 | 16.2 | 44 |
| 108 | 163.7 | 9.2 | 36 |
| 451 | 159.2 | 15.0 | 87 |
| 31 | 151.5 | 20.0 | 36 |
| 296 | 147.2 | 24.8 | 82 |
| 54 | 146.8 | 11.9 | 107 |
| 146 | 145.2 | 23.4 | 90 |
| 401 | 140.0 | 37.5 | 46 |
| 116 | 138.5 | 36.1 | 85 |
| 292 | 134.1 | 18.7 | 66 |
| 161 | 133.7 | 11.6 | 68 |
| 317 | 130.1 | 3.1 | 27 |
| 380 | 125.7 | 17.1 | 107 |
| 156 | 125.0 | 11.4 | 90 |
| 103 | 124.3 | 14.3 | 90 |
| 209 | 119.8 | 36.6 | 55 |
| 123 | 118.7 | 4.2 | 38 |
| 177 | 113.7 | 18.9 | 44 |
| 142 | 112.3 | 4.4 | 30 |
| 127 | 108.4 | 10.7 | 42 |
| 111 | 105.5 | 20.4 | 87 |
| 314 | 104.8 | 2.1 | 19 |
| 287 | 102.3 | 10.1 | 55 |
| 53 | 101.6 | 14.2 | 159 |
| 105 | 101.1 | 15.8 | 98 |
| 99 | 100.5 | 20.0 | 191 |
| 137 | 97.5 | 10.8 | 55 |
| 141 | 97.5 | 3.1 | 37 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC HALIBUT

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 246 | 94.9 | 27.8 | 87 |
| 158 | 94.4 | 15.7 | 60 |
| 323 | 92.2 | 8.9 | 55 |
| 370 | 91.7 | 15.2 | 108 |
| 362 | 90.5 | 20.4 | 96 |
| 316 | 89.0 | 9.6 | 22 |
| 140 | 86.9 | 4.3 | 48 |
| 136 | 84.6 | 9.6 | 27 |
| 404 | 79.9 | 19.2 | 55 |
| 133 | 78.8 | 3.2 | 41 |
| 318 | 76.9 | 5.0 | 21 |
| 83 | 75.5 | 22.7 | 82 |
| 176 | 71.6 | 14.7 | 50 |
| 138 | 70.2 | 10.8 | 66 |
| 257 | 69.2 | 9.4 | 67 |
| 342 | 69.0 | 17.5 | 66 |
| 368 | 68.9 | 4.4 | 19 |
| 341 | 68.6 | 16.7 | 79 |
| 162 | 67.8 | 25.3 | 57 |
| 60 | 67.5 | 24.8 | 49 |
| 332 | 66.0 | 19.8 | 93 |
| 124 | 66.0 | 8.0 | 93 |
| 118 | 65.6 | 21.0 | 77 |
| 85 | 65.5 | 14.9 | 71 |
| 208 | 65.0 | 4.3 | 48 |
| 357 | 64.3 | 16.5 | 52 |
| 115 | 64.2 | 31.7 | 93 |
| 17 | 64.0 | 2.2 | 45 |
| 241 | 63.7 | 41.5 | 104 |
| 423 | 63.4 | 4.1 | 49 |
| 143 | 63.2 | 2.7 | 34 |
| 204 | 62.7 | 2.4 | 45 |
| 385 | 62.4 | 14.4 | 103 |
| 372 | 62.4 | 18.6 | 108 |
| 365 | 61.7 | 3.6 | 42 |
| 408 | 61.7 | 17.7 | 85 |
| 11 | 61.3 | 2.6 | 98 |
| 38 | 61.1 | 29.1 | 37 |
| 352 | 60.4 | 12.2 | 66 |
| 454 | 59.7 | 34.9 | 38 |
| 174 | 58.3 | 19.2 | 98 |
| 164 | 57.2 | 34.6 | 197 |
| 93 | 55.5 | 19.4 | 96 |
| 432 | 55.3 | 17.1 | 55 |
| 313 | 54.9 | 9.7 | 16 |
| 48 | 54.4 | 10.6 | 134 |
| 367 | 54.3 | 19.1 | 45 |
| 126 | 54.0 | 14.0 | 53 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC HALIBUT

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 322 | 53.6 | 2.3 | 34 |
| 325 | 53.6 | 10.1 | 45 |
| 94 | 53.5 | 15.0 | 139 |
| 154 | 53.0 | 9.5 | 77 |
| 386 | 52.9 | 20.9 | 77 |
| 407 | 52.1 | 11.6 | 86 |
| 157 | 51.9 | 21.1 | 55 |
| 5 | 51.2 | 6.4 | 93 |
| 374 | 50.1 | 11.6 | 79 |
| 396 | 50.0 | 20.5 | 34 |
| 1 | 49.2 | 11.0 | 120 |
| 82 | 48.9 | 12.8 | 85 |
| 420 | 47.0 | 4.5 | 44 |
| 285 | 46.2 | 7.1 | 98 |
| 327 | 46.1 | 21.5 | 98 |
| 139 | 45.8 | 8.0 | 66 |
| 135 | 45.6 | 4.3 | 30 |
| 134 | 45.4 | 1.5 | 39 |
| 418 | 44.8 | 5.4 | 26 |
| 147 | 44.6 | 16.3 | 90 |
| 337 | 44.1 | 27.0 | 115 |
| 355 | 43.5 | 19.9 | 74 |
| 303 | 43.4 | 25.1 | 98 |
| 427 | 43.1 | 4.5 | 57 |
| 84 | 42.0 | 13.1 | 82 |
| 312 | 41.4 | 5.5 | 20 |
| 81 | 41.3 | 9.6 | 71 |
| 349 | 41.0 | 12.2 | 66 |
| 61 | 40.4 | 9.1 | 109 |
| 125 | 40.1 | 6.2 | 21 |
| 298 | 39.9 | 9.7 | 85 |
| 219 | 38.6 | 14.4 | 141 |
| 435 | 38.3 | 8.6 | 41 |
| 382 | 38.3 | 9.8 | 54 |
| 264 | 38.2 | 25.6 | 93 |
| 26 | 38.1 | 5.9 | 68 |
| 86 | 37.8 | 4.4 | 60 |
| 59 | 37.7 | 10.6 | 98 |
| 447 | 37.4 | 20.7 | 49 |
| 56 | 36.9 | 19.8 | 205 |
| 49 | 36.1 | 17.1 | 43 |
| 388 | 35.9 | 20.4 | 63 |
| 215 | 35.9 | 12.5 | 139 |
| 305 | 35.9 | 13.2 | 110 |
| 395 | 35.7 | 19.4 | 71 |
| 200 | 35.6 | 15.3 | 53 |
| 37 | 35.5 | 20.6 | 43 |
| 289 | 35.4 | 6.8 | 66 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC HALIBUT

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 145 | 35.2 | 32.8 | 96 |
| 453 | 35.1 | 4.7 | 85 |
| 172 | 34.8 | 16.4 | 153 |
| 291 | 34.5 | 19.1 | 82 |
| 151 | 34.1 | 2.8 | 55 |
| 402 | 33.2 | 4.7 | 40 |
| 315 | 32.9 | 9.9 | 82 |
| 321 | 32.9 | 2.7 | 29 |
| 197 | 32.6 | 19.5 | 51 |
| 330 | 32.5 | 10.5 | 96 |
| 2 | 32.4 | 14.8 | 79 |
| 373 | 32.2 | 28.5 | 93 |
| 73 | 31.7 | 4.6 | 52 |
| 129 | 31.6 | 14.9 | 106 |
| 410 | 31.4 | 5.9 | 41 |
| 338 | 30.9 | 26.7 | 52 |
| 249 | 30.8 | 7.9 | 86 |
| 329 | 30.5 | 12.1 | 113 |
| 379 | 30.3 | 12.9 | 107 |
| 150 | 30.1 | 8.4 | 60 |
| 76 | 30.0 | 12.8 | 82 |
| 359 | 30.0 | 20.1 | 93 |
| 267 | 29.9 | 21.2 | 67 |
| 381 | 29.9 | 21.9 | 219 |
| 333 | 29.9 | 20.4 | 38 |
| 66 | 29.7 | 8.3 | 82 |
| 216 | 29.4 | 18.2 | 124 |
| 20 | 29.3 | 3.9 | 52 |
| 131 | 29.1 | 13.8 | 98 |
| 438 | 28.5 | 15.7 | 90 |
| 144 | 28.3 | 12.0 | 71 |
| 6 | 28.1 | 9.3 | 63 |
| 47 | 28.0 | 15.0 | 104 |
| 378 | 27.8 | 4.0 | 49 |
| 95 | 27.7 | 13.8 | 101 |
| 203 | 27.2 | 36.6 | 107 |
| 310 | 27.0 | 5.0 | 57 |
| 399 | 27.0 | 14.5 | 87 |
| 80 | 26.7 | 17.1 | 87 |
| 77 | 26.5 | 6.1 | 60 |
| 284 | 26.4 | 3.3 | 48 |
| 398 | 26.0 | 10.7 | 85 |
| 351 | 25.9 | 19.1 | 85 |
| 55 | 25.7 | 104.6 | 301 |
| 339 | 25.6 | 11.7 | 57 |
| 440 | 25.5 | 5.7 | 82 |
| 295 | 25.2 | 23.6 | 72 |
| 102 | 24.8 | 9.5 | 82 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC HALIBUT

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 42 | 24.5 | 3.6 | 55 |
| 387 | 24.5 | 36.9 | 104 |
| 112 | 24.4 | 4.6 | 41 |
| 107 | 24.1 | 29.7 | 46 |
| 376 | 24.0 | 4.6 | 48 |
| 196 | 24.0 | 7.6 | 53 |
| 428 | 23.7 | 8.1 | 44 |
| 248 | 23.6 | 16.6 | 159 |
| 255 | 23.5 | 12.0 | 67 |
| 191 | 23.5 | 16.6 | 82 |
| 168 | 23.3 | 8.7 | 97 |
| 68 | 23.3 | 18.7 | 82 |
| 430 | 22.9 | 6.6 | 85 |
| 268 | 22.9 | 33.2 | 51 |
| 166 | 22.8 | 13.2 | 139 |
| 167 | 22.5 | 12.8 | 104 |
| 258 | 22.5 | 17.4 | 63 |
| 452 | 22.5 | 21.8 | 137 |
| 87 | 21.6 | 3.3 | 49 |
| 411 | 21.3 | 16.6 | 39 |
| 220 | 21.3 | 12.3 | 131 |
| 348 | 21.1 | 4.1 | 48 |
| 394 | 21.1 | 7.7 | 39 |
| 320 | 20.9 | 5.7 | 19 |
| 294 | 20.9 | 17.9 | 87 |
| 239 | 20.8 | 27.5 | 98 |
| 28 | 20.7 | 2.4 | 54 |
| 448 | 20.6 | 8.4 | 47 |
| 335 | 20.5 | 15.1 | 63 |
| 29 | 20.4 | 3.3 | 52 |
| 148 | 20.3 | 11.2 | 60 |
| 446 | 20.1 | 3.3 | 46 |
| 441 | 20.1 | 8.9 | 51 |
| 202 | 20.0 | 9.7 | 90 |
| 132 | 19.9 | 14.4 | 159 |
| 350 | 19.9 | 7.8 | 57 |
| 213 | 19.8 | 11.9 | 128 |
| 104 | 19.6 | 12.9 | 107 |
| 179 | 19.5 | 14.4 | 163 |
| 187 | 19.1 | 19.5 | 83 |
| 288 | 18.8 | 15.8 | 101 |
| 43 | 18.7 | 4.1 | 50 |
| 371 | 18.7 | 19.5 | 156 |
| 433 | 18.5 | 7.2 | 53 |
| 299 | 18.3 | 10.4 | 90 |
| 10 | 18.3 | 4.8 | 153 |
| 390 | 18.0 | 16.0 | 77 |
| 412 | 18.0 | 8.3 | 145 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC HALIBUT

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 421 | 18.0 | 2.1 | 37 |
| 193 | 17.9 | 19.3 | 54 |
| 416 | 17.5 | 18.9 | 44 |
| 340 | 17.4 | 16.7 | 82 |
| 336 | 17.3 | 11.2 | 90 |
| 21 | 17.1 | 4.6 | 104 |
| 57 | 17.0 | 6.6 | 104 |
| 106 | 16.8 | 13.3 | 156 |
| 23 | 16.7 | 15.3 | 246 |
| 226 | 16.6 | 16.8 | 175 |
| 253 | 16.5 | 5.5 | 63 |
| 270 | 16.5 | 18.0 | 104 |
| 175 | 16.4 | 6.7 | 104 |
| 214 | 16.2 | 13.2 | 145 |
| 217 | 15.9 | 12.7 | 120 |
| 36 | 15.9 | 5.0 | 98 |
| 40 | 15.8 | 11.5 | 388 |
| 442 | 15.8 | 5.3 | 85 |
| 122 | 15.3 | 9.5 | 104 |
| 44 | 15.2 | 8.7 | 77 |
| 334 | 15.0 | 12.9 | 90 |
| 50 | 15.0 | 9.6 | 200 |
| 119 | 14.9 | 10.8 | 78 |
| 275 | 14.9 | 13.2 | 71 |
| 443 | 14.7 | 8.1 | 77 |
| 194 | 14.6 | 4.5 | 52 |
| 238 | 14.6 | 6.5 | 71 |
| 113 | 14.5 | 9.5 | 60 |
| 424 | 14.3 | 2.6 | 40 |
| 163 | 14.2 | 8.6 | 82 |
| 192 | 14.2 | 9.8 | 53 |
| 32 | 14.2 | 4.3 | 33 |
| 78 | 14.1 | 5.6 | 67 |
| 259 | 14.1 | 19.9 | 104 |
| 114 | 14.1 | 9.4 | 82 |
| 250 | 14.0 | 11.1 | 79 |
| 344 | 14.0 | 3.9 | 77 |
| 256 | 13.8 | 14.6 | 85 |
| 277 | 13.8 | 20.7 | 60 |
| 72 | 13.8 | 4.9 | 68 |
| 302 | 13.6 | 9.5 | 94 |
| 120 | 13.5 | 19.8 | 85 |
| 345 | 13.5 | 6.9 | 66 |
| 384 | 12.8 | 8.2 | 98 |
| 79 | 12.8 | 24.9 | 69 |
| 173 | 12.7 | 18.3 | 98 |
| 281 | 12.4 | 18.3 | 74 |
| 409 | 12.4 | 17.4 | 45 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC HALIBUT

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 218 | 12.4 | 18.8 | 156 |
| 195 | 12.3 | 7.2 | 53 |
| 231 | 12.3 | 28.8 | 118 |
| 308 | 12.2 | 12.9 | 148 |
| 392 | 12.2 | 17.9 | 75 |
| 269 | 12.1 | 4.5 | 53 |
| 271 | 11.9 | 27.5 | 109 |
| 290 | 11.9 | 13.1 | 82 |
| 364 | 11.9 | 9.3 | 106 |
| 326 | 11.8 | 3.3 | 66 |
| 52 | 11.6 | 8.5 | 87 |
| 199 | 11.3 | 5.3 | 55 |
| 62 | 11.2 | 7.1 | 96 |
| 65 | 10.9 | 5.8 | 112 |
| 307 | 10.7 | 22.8 | 150 |
| 297 | 10.7 | 7.4 | 98 |
| 24 | 10.6 | 7.2 | 139 |
| 306 | 10.6 | 6.9 | 142 |
| 331 | 10.4 | 3.2 | 60 |
| 207 | 10.3 | 7.6 | 52 |
| 110 | 10.3 | 14.5 | 200 |
| 304 | 10.2 | 10.0 | 118 |
| 417 | 10.2 | 2.5 | 33 |
| 375 | 10.1 | 2.8 | 102 |
| 278 | 10.0 | 15.2 | 104 |
| 358 | 9.9 | 9.4 | 120 |
| 92 | 9.9 | 8.0 | 107 |
| 67 | 9.8 | 4.0 | 44 |
| 405 | 9.8 | 8.4 | 67 |
| 383 | 9.7 | 4.9 | 71 |
| 228 | 9.6 | 16.0 | 191 |
| 266 | 9.5 | 5.4 | 71 |
| 393 | 9.3 | 38.4 | 89 |
| 391 | 9.0 | 21.0 | 95 |
| 280 | 9.0 | 6.4 | 74 |
| 346 | 9.0 | 5.3 | 66 |
| 431 | 8.9 | 7.4 | 90 |
| 309 | 8.8 | 13.5 | 115 |
| 181 | 8.8 | 8.5 | 78 |
| 273 | 8.7 | 8.0 | 85 |
| 16 | 8.6 | 5.1 | 44 |
| 34 | 8.4 | 6.2 | 77 |
| 406 | 8.4 | 2.6 | 52 |
| 251 | 8.4 | 2.8 | 63 |
| 353 | 8.3 | 18.6 | 73 |
| 354 | 8.3 | 19.2 | 72 |
| 422 | 8.3 | 2.2 | 57 |
| 283 | 8.2 | 17.1 | 78 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC HALIBUT

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 12 | 8.2 | 2.1 | 86 |
| 18 | 8.0 | 3.1 | 81 |
| 301 | 8.0 | 12.1 | 97 |
| 45 | 7.9 | 8.3 | 101 |
| 429 | 7.8 | 6.4 | 49 |
| 27 | 7.7 | 1.7 | 41 |
| 419 | 7.5 | 2.9 | 56 |
| 397 | 7.5 | 9.6 | 45 |
| 444 | 7.5 | 4.3 | 41 |
| 205 | 7.4 | 1.4 | 37 |
| 434 | 7.4 | 2.7 | 41 |
| 63 | 7.3 | 4.3 | 82 |
| 260 | 7.2 | 15.4 | 116 |
| 236 | 7.2 | 15.2 | 107 |
| 184 | 7.2 | 7.1 | 83 |
| 117 | 7.2 | 8.5 | 68 |
| 282 | 7.0 | 15.6 | 101 |
| 130 | 6.9 | 10.9 | 191 |
| 182 | 6.6 | 13.0 | 80 |
| 414 | 6.5 | 14.0 | 208 |
| 9 | 6.3 | 3.2 | 100 |
| 347 | 6.2 | 5.4 | 68 |
| 328 | 6.0 | 27.4 | 134 |
| 223 | 5.8 | 19.3 | 164 |
| 188 | 5.8 | 6.3 | 83 |
| 211 | 5.4 | 4.2 | 56 |
| 165 | 5.4 | 7.7 | 115 |
| 300 | 5.1 | 11.4 | 96 |
| 263 | 4.8 | 20.4 | 98 |
| 70 | 4.6 | 18.8 | 93 |
| 324 | 4.6 | 7.9 | 123 |
| 426 | 4.5 | 4.1 | 44 |
| 8 | 4.2 | 17.2 | 219 |
| 272 | 4.1 | 3.7 | 67 |
| 51 | 4.0 | 5.1 | 104 |
| 75 | 3.7 | 7.6 | 85 |
| 413 | 3.4 | 1.0 | 87 |
| 35 | 3.3 | 3.4 | 79 |
| 71 | 3.1 | 6.0 | 82 |
| 19 | 3.1 | 1.5 | 52 |
| 101 | 3.0 | 12.6 | 276 |
| 96 | 2.9 | 11.8 | 284 |
| 247 | 2.9 | 11.6 | 355 |
| 276 | 2.9 | 13.4 | 98 |
| 235 | 2.8 | 2.4 | 59 |
| 58 | 2.6 | 10.7 | 45 |
| 240 | 2.4 | 10.3 | 104 |
| 279 | 2.1 | 6.9 | 93 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC HALIBUT

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 185 | 2.0 | 8.0 | 78 |
| 206 | 2.0 | 1.1 | 55 |
| 160 | 1.8 | 6.9 | 66 |
| 436 | 1.8 | 8.7 | 84 |
| 361 | 1.6 | 5.9 | 180 |
| 69 | 1.5 | 6.1 | 85 |
| 343 | 1.3 | 4.0 | 87 |
| 389 | 1.3 | 5.9 | 75 |
| 128 | 1.2 | 3.4 | 366 |
| 74 | 1.2 | 5.0 | 77 |
| 33 | 1.1 | 1.0 | 44 |
| 7 | 0.9 | 1.2 | 63 |
| 183 | 0.9 | 1.8 | 82 |
| 169 | 0.7 | 3.4 | 191 |
| 242 | 0.7 | 3.6 | 191 |
| 109 | 0.6 | 2.4 | 279 |
| 254 | 0.5 | 2.4 | 68 |
| 198 | 0.4 | 1.0 | 55 |
| 234 | 0.4 | 1.6 | 66 |
| 437 | 0.3 | 1.3 | 141 |
| 252 | 0.2 | 1.0 | 101 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES FLATHEAD SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 119 | 275.5 | 1.3 | 78 |
| 211 | 249.5 | 0.5 | 56 |
| 206 | 222.5 | 0.5 | 55 |
| 212 | 215.2 | 0.4 | 56 |
| 114 | 205.7 | 0.5 | 82 |
| 210 | 205.0 | 0.5 | 56 |
| 209 | 163.8 | 0.4 | 55 |
| 207 | 127.6 | 0.4 | 52 |
| 191 | 104.1 | 0.4 | 82 |
| 188 | 103.2 | 0.4 | 83 |
| 116 | 94.3 | 0.3 | 85 |
| 187 | 90.7 | 0.4 | 83 |
| 183 | 87.0 | 0.6 | 82 |
| 182 | 80.5 | 0.4 | 80 |
| 184 | 78.5 | 0.4 | 83 |
| 186 | 78.3 | 0.4 | 79 |
| 139 | 73.0 | 0.5 | 66 |
| 190 | 72.4 | 0.4 | 80 |
| 180 | 72.2 | 0.4 | 80 |
| 208 | 67.3 | 0.3 | 48 |
| 181 | 65.6 | 0.3 | 78 |
| 43 | 64.7 | 0.5 | 50 |
| 232 | 62.9 | 0.3 | 82 |
| 70 | 58.8 | 0.3 | 93 |
| 189 | 56.6 | 0.4 | 79 |
| 64 | 48.9 | 0.3 | 110 |
| 185 | 48.1 | 0.3 | 78 |
| 34 | 45.8 | 0.2 | 77 |
| 285 | 44.2 | 0.4 | 98 |
| 118 | 42.4 | 0.3 | 77 |
| 256 | 39.8 | 0.3 | 85 |
| 249 | 39.2 | 0.3 | 86 |
| 145 | 38.9 | 0.6 | 96 |
| 120 | 37.3 | 0.3 | 85 |
| 76 | 37.0 | 0.2 | 82 |
| 288 | 35.6 | 0.4 | 101 |
| 391 | 35.5 | 0.2 | 95 |
| 359 | 35.5 | 0.5 | 93 |
| 29 | 33.5 | 0.4 | 52 |
| 303 | 33.4 | 0.3 | 98 |
| 283 | 33.2 | 0.3 | 78 |
| 117 | 32.8 | 0.3 | 68 |
| 161 | 32.0 | 0.6 | 68 |
| 423 | 30.5 | 0.6 | 49 |
| 343 | 30.4 | 0.4 | 87 |
| 146 | 29.4 | 0.3 | 90 |
| 85 | 29.3 | 0.3 | 71 |
| 272 | 27.8 | 0.4 | 67 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES FLATHEAD SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 44 | 26.9 | 0.9 | 77 |
| 387 | 26.0 | 0.4 | 104 |
| 167 | 25.2 | 0.3 | 104 |
| 115 | 25.2 | 0.4 | 93 |
| 419 | 25.0 | 0.3 | 56 |
| 302 | 24.0 | 0.3 | 94 |
| 230 | 23.6 | 0.3 | 103 |
| 65 | 22.9 | 0.5 | 112 |
| 308 | 21.8 | 0.4 | 148 |
| 301 | 21.7 | 0.3 | 97 |
| 121 | 21.5 | 0.4 | 90 |
| 305 | 21.4 | 0.4 | 110 |
| 28 | 20.9 | 0.5 | 54 |
| 386 | 20.6 | 0.6 | 77 |
| 238 | 20.4 | 0.4 | 71 |
| 75 | 20.2 | 0.3 | 85 |
| 124 | 20.2 | 0.3 | 93 |
| 86 | 20.1 | 0.4 | 60 |
| 71 | 20.1 | 0.2 | 82 |
| 83 | 20.0 | 0.3 | 82 |
| 402 | 19.9 | 0.5 | 40 |
| 315 | 19.7 | 0.3 | 82 |
| 420 | 19.6 | 0.5 | 44 |
| 326 | 19.3 | 0.4 | 66 |
| 351 | 19.3 | 0.2 | 85 |
| 147 | 19.2 | 0.3 | 90 |
| 68 | 18.9 | 0.3 | 82 |
| 35 | 18.7 | 0.3 | 79 |
| 234 | 18.6 | 0.3 | 66 |
| 30 | 18.4 | 0.6 | 66 |
| 82 | 17.2 | 0.3 | 85 |
| 81 | 17.1 | 0.3 | 71 |
| 168 | 16.6 | 0.3 | 97 |
| 233 | 16.5 | 0.3 | 107 |
| 403 | 16.2 | 0.2 | 57 |
| 405 | 15.6 | 0.4 | 67 |
| 144 | 15.6 | 0.4 | 71 |
| 332 | 15.2 | 0.4 | 93 |
| 254 | 15.2 | 0.3 | 68 |
| 395 | 14.7 | 0.3 | 71 |
| 253 | 14.7 | 0.5 | 63 |
| 202 | 14.6 | 0.3 | 90 |
| 392 | 14.3 | 0.3 | 75 |
| 270 | 14.3 | 0.3 | 104 |
| 307 | 13.3 | 0.5 | 150 |
| 422 | 12.8 | 0.4 | 57 |
| 156 | 12.7 | 0.3 | 90 |
| 309 | 12.6 | 0.3 | 115 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES FLATHEAD SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 42 | 12.6 | 0.4 | 55 |
| 404 | 12.6 | 0.3 | 55 |
| 341 | 12.0 | 0.3 | 79 |
| 250 | 12.0 | 0.4 | 79 |
| 340 | 12.0 | 0.3 | 82 |
| 297 | 11.7 | 0.6 | 98 |
| 138 | 11.5 | 0.3 | 66 |
| 355 | 11.1 | 0.3 | 74 |
| 406 | 11.0 | 0.2 | 52 |
| 67 | 10.9 | 0.7 | 44 |
| 158 | 10.8 | 0.3 | 60 |
| 137 | 10.7 | 0.3 | 55 |
| 350 | 10.5 | 0.3 | 57 |
| 74 | 10.5 | 0.2 | 77 |
| 149 | 10.4 | 0.3 | 82 |
| 393 | 10.3 | 0.3 | 89 |
| 79 | 10.2 | 0.2 | 69 |
| 231 | 10.0 | 0.3 | 118 |
| 300 | 9.7 | 0.3 | 96 |
| 278 | 9.7 | 0.5 | 104 |
| 12 | 9.6 | 0.7 | 86 |
| 62 | 9.5 | 0.2 | 96 |
| 390 | 9.5 | 0.2 | 77 |
| 304 | 9.4 | 0.3 | 118 |
| 78 | 9.4 | 0.3 | 67 |
| 330 | 9.4 | 0.4 | 96 |
| 80 | 9.0 | 0.3 | 87 |
| 383 | 9.0 | 0.5 | 71 |
| 370 | 8.9 | 0.3 | 108 |
| 306 | 8.8 | 0.4 | 142 |
| 271 | 8.8 | 0.3 | 109 |
| 69 | 8.7 | 0.3 | 85 |
| 367 | 8.7 | 0.4 | 45 |
| 287 | 8.3 | 0.3 | 55 |
| 33 | 8.3 | 0.5 | 44 |
| 77 | 8.1 | 0.3 | 60 |
| 175 | 8.0 | 0.3 | 104 |
| 310 | 7.8 | 0.4 | 57 |
| 255 | 7.8 | 0.4 | 67 |
| 369 | 7.7 | 0.6 | 104 |
| 279 | 7.7 | 0.7 | 93 |
| 103 | 7.5 | 0.5 | 90 |
| 394 | 7.4 | 0.4 | 39 |
| 345 | 6.9 | 0.3 | 66 |
| 257 | 6.9 | 0.3 | 67 |
| 264 | 6.8 | 0.3 | 93 |
| 388 | 6.8 | 0.4 | 63 |
| 66 | 6.8 | 0.4 | 82 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES FLATHEAD SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 354 | 6.6 | 0.3 | 72 |
| 325 | 6.4 | 0.5 | 45 |
| 353 | 6.4 | 0.3 | 73 |
| 32 | 6.4 | 0.5 | 33 |
| 84 | 6.1 | 0.4 | 82 |
| 63 | 6.1 | 0.3 | 82 |
| 251 | 6.0 | 0.5 | 63 |
| 298 | 5.8 | 0.4 | 85 |
| 384 | 5.7 | 0.4 | 98 |
| 157 | 5.7 | 0.5 | 55 |
| 389 | 5.6 | 0.2 | 75 |
| 349 | 5.6 | 0.3 | 66 |
| 327 | 5.5 | 0.6 | 98 |
| 126 | 5.4 | 0.4 | 53 |
| 61 | 5.4 | 0.3 | 109 |
| 347 | 5.3 | 0.2 | 68 |
| 72 | 5.2 | 0.3 | 68 |
| 352 | 5.1 | 0.3 | 66 |
| 342 | 4.9 | 0.3 | 66 |
| 333 | 4.9 | 0.4 | 38 |
| 311 | 4.8 | 0.4 | 44 |
| 424 | 4.6 | 0.7 | 40 |
| 194 | 4.3 | 0.3 | 52 |
| 151 | 3.9 | 0.4 | 55 |
| 165 | 3.8 | 0.4 | 115 |
| 235 | 3.5 | 0.3 | 59 |
| 252 | 3.4 | 0.3 | 101 |
| 334 | 3.1 | 0.4 | 90 |
| 163 | 3.0 | 0.5 | 82 |
| 200 | 2.9 | 0.5 | 53 |
| 21 | 2.9 | 0.5 | 104 |
| 344 | 2.8 | 0.3 | 77 |
| 339 | 2.7 | 0.4 | 57 |
| 323 | 2.7 | 0.4 | 55 |
| 280 | 2.6 | 0.7 | 74 |
| 110 | 2.5 | 0.5 | 200 |
| 5 | 2.5 | 0.8 | 93 |
| 316 | 2.5 | 0.3 | 22 |
| 11 | 2.4 | 0.6 | 98 |
| 258 | 2.4 | 0.3 | 63 |
| 213 | 2.2 | 0.3 | 128 |
| 430 | 2.2 | 0.7 | 85 |
| 217 | 2.1 | 0.2 | 120 |
| 193 | 2.1 | 0.2 | 54 |
| 104 | 1.9 | 0.2 | 107 |
| 329 | 1.8 | 0.4 | 113 |
| 198 | 1.8 | 0.3 | 55 |
| 358 | 1.8 | 0.5 | 120 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES FLATHEAD SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 14 | 1.8 | 0.4 | 85 |
| 196 | 1.7 | 0.4 | 53 |
| 437 | 1.6 | 0.3 | 141 |
| 155 | 1.5 | 0.2 | 104 |
| 112 | 1.5 | 0.6 | 41 |
| 299 | 1.5 | 0.3 | 90 |
| 166 | 1.4 | 0.3 | 139 |
| 273 | 1.4 | 0.4 | 85 |
| 236 | 1.4 | 0.3 | 107 |
| 335 | 1.4 | 0.4 | 63 |
| 140 | 1.4 | 0.5 | 48 |
| 431 | 1.3 | 0.4 | 90 |
| 216 | 1.3 | 0.2 | 124 |
| 436 | 1.3 | 0.4 | 84 |
| 385 | 1.2 | 0.5 | 103 |
| 92 | 1.2 | 0.3 | 107 |
| 274 | 1.2 | 0.2 | 100 |
| 73 | 1.1 | 0.3 | 52 |
| 87 | 1.1 | 0.3 | 49 |
| 240 | 1.1 | 0.3 | 104 |
| 220 | 1.1 | 0.3 | 131 |
| 52 | 1.1 | 1.0 | 87 |
| 289 | 1.1 | 0.4 | 66 |
| 324 | 1.0 | 0.5 | 123 |
| 160 | 1.0 | 0.5 | 66 |
| 237 | 1.0 | 0.3 | 61 |
| 199 | 1.0 | 0.4 | 55 |
| 111 | 1.0 | 0.6 | 87 |
| 276 | 1.0 | 0.5 | 98 |
| 105 | 1.0 | 0.4 | 98 |
| 197 | 0.9 | 0.4 | 51 |
| 296 | 0.9 | 0.7 | 82 |
| 262 | 0.9 | 0.3 | 118 |
| 19 | 0.8 | 0.3 | 52 |
| 446 | 0.8 | 0.2 | 46 |
| 338 | 0.8 | 0.6 | 52 |
| 266 | 0.8 | 0.4 | 71 |
| 113 | 0.8 | 0.4 | 60 |
| 195 | 0.7 | 0.4 | 53 |
| 93 | 0.7 | 0.7 | 96 |
| 356 | 0.7 | 0.6 | 69 |
| 427 | 0.7 | 0.4 | 57 |
| 336 | 0.7 | 0.4 | 90 |
| 241 | 0.6 | 0.3 | 104 |
| 328 | 0.6 | 0.6 | 134 |
| 433 | 0.6 | 0.5 | 53 |
| 269 | 0.5 | 0.5 | 53 |
| 438 | 0.5 | 0.2 | 90 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES FLATHEAD SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 331 | 0.5 | 0.4 | 60 |
| 27 | 0.5 | 0.6 | 41 |
| 337 | 0.4 | 0.5 | 115 |
| 277 | 0.4 | 0.4 | 60 |
| 346 | 0.4 | 0.3 | 66 |
| 227 | 0.4 | 0.3 | 164 |
| 192 | 0.4 | 0.4 | 53 |
| 265 | 0.4 | 0.3 | 126 |
| 36 | 0.4 | 0.7 | 98 |
| 20 | 0.4 | 0.4 | 52 |
| 106 | 0.4 | 0.2 | 156 |
| 379 | 0.4 | 0.7 | 107 |
| 399 | 0.3 | 0.6 | 87 |
| 372 | 0.3 | 0.5 | 108 |
| 284 | 0.3 | 0.3 | 48 |
| 291 | 0.3 | 0.7 | 82 |
| 47 | 0.3 | 1.2 | 104 |
| 260 | 0.3 | 0.2 | 116 |
| 59 | 0.3 | 0.7 | 98 |
| 275 | 0.3 | 0.4 | 71 |
| 122 | 0.3 | 0.5 | 104 |
| 407 | 0.3 | 0.7 | 86 |
| 129 | 0.3 | 0.7 | 106 |
| 127 | 0.3 | 0.2 | 42 |
| 282 | 0.3 | 0.4 | 101 |
| 312 | 0.3 | 0.5 | 20 |
| 2 | 0.2 | 0.7 | 79 |
| 219 | 0.2 | 0.4 | 141 |
| 9 | 0.2 | 0.5 | 100 |
| 1 | 0.2 | 0.5 | 120 |
| 263 | 0.2 | 0.3 | 98 |
| 179 | 0.2 | 0.3 | 163 |
| 31 | 0.2 | 0.9 | 36 |
| 380 | 0.2 | 0.8 | 107 |
| 348 | 0.2 | 0.3 | 48 |
| 408 | 0.2 | 0.9 | 85 |
| 94 | 0.2 | 0.8 | 139 |
| 26 | 0.2 | 0.7 | 68 |
| 15 | 0.2 | 0.5 | 46 |
| 132 | 0.2 | 0.3 | 159 |
| 364 | 0.2 | 0.7 | 106 |
| 131 | 0.2 | 0.2 | 98 |
| 229 | 0.2 | 0.8 | 145 |
| 398 | 0.2 | 0.3 | 85 |
| 204 | 0.1 | 0.3 | 45 |
| 214 | 0.1 | 0.1 | 145 |
| 89 | 0.1 | 0.5 | 108 |
| 203 | 0.1 | 0.2 | 107 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES DOVER SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 101 | 254.5 | 0.8 | 276 |
| 110 | 161.8 | 1.0 | 200 |
| 106 | 136.2 | 0.8 | 156 |
| 359 | 101.1 | 1.4 | 93 |
| 50 | 51.0 | 0.7 | 200 |
| 46 | 48.3 | 0.6 | 284 |
| 168 | 46.9 | 0.7 | 97 |
| 89 | 43.6 | 1.1 | 108 |
| 249 | 37.1 | 0.8 | 86 |
| 172 | 35.4 | 0.5 | 153 |
| 283 | 31.5 | 0.8 | 78 |
| 175 | 29.4 | 0.5 | 104 |
| 55 | 28.1 | 0.5 | 301 |
| 221 | 22.9 | 0.5 | 186 |
| 285 | 21.6 | 1.0 | 98 |
| 179 | 20.4 | 0.8 | 163 |
| 164 | 18.3 | 0.7 | 197 |
| 370 | 17.9 | 0.7 | 108 |
| 224 | 17.3 | 0.4 | 175 |
| 99 | 16.5 | 0.8 | 191 |
| 129 | 16.4 | 0.7 | 106 |
| 96 | 15.9 | 0.6 | 284 |
| 156 | 15.7 | 0.8 | 90 |
| 109 | 14.9 | 0.7 | 279 |
| 167 | 13.7 | 0.6 | 104 |
| 218 | 13.7 | 0.5 | 156 |
| 130 | 13.6 | 0.6 | 191 |
| 159 | 12.9 | 0.6 | 273 |
| 226 | 12.8 | 0.4 | 175 |
| 149 | 12.4 | 0.9 | 82 |
| 247 | 11.7 | 0.7 | 355 |
| 132 | 11.4 | 0.8 | 159 |
| 90 | 11.4 | 0.5 | 301 |
| 244 | 11.2 | 0.6 | 282 |
| 171 | 11.1 | 0.5 | 328 |
| 227 | 11.0 | 0.5 | 164 |
| 254 | 10.7 | 0.8 | 68 |
| 287 | 10.7 | 0.6 | 55 |
| 225 | 10.6 | 0.5 | 175 |
| 170 | 10.4 | 0.4 | 284 |
| 223 | 9.5 | 0.5 | 164 |
| 97 | 9.5 | 0.7 | 394 |
| 215 | 9.3 | 0.6 | 139 |
| 166 | 9.3 | 0.5 | 139 |
| 222 | 9.1 | 0.5 | 180 |
| 56 | 9.0 | 0.6 | 205 |
| 288 | 8.8 | 0.9 | 101 |
| 98 | 8.7 | 0.7 | 410 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES DOVER SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 379 | 8.6 | 1.0 | 107 |
| 202 | 7.7 | 0.6 | 90 |
| 165 | 7.7 | 0.5 | 115 |
| 155 | 7.6 | 0.8 | 104 |
| 363 | 7.5 | 0.8 | 189 |
| 214 | 7.4 | 0.5 | 145 |
| 255 | 7.0 | 0.7 | 67 |
| 174 | 6.9 | 0.6 | 98 |
| 361 | 6.9 | 1.1 | 180 |
| 213 | 6.8 | 0.6 | 128 |
| 250 | 6.6 | 0.8 | 79 |
| 256 | 6.6 | 0.8 | 85 |
| 173 | 6.5 | 0.5 | 98 |
| 128 | 6.4 | 0.5 | 366 |
| 232 | 6.4 | 0.6 | 82 |
| 323 | 6.3 | 0.7 | 55 |
| 414 | 6.3 | 1.3 | 208 |
| 381 | 6.3 | 0.7 | 219 |
| 138 | 5.8 | 0.9 | 66 |
| 94 | 5.8 | 0.8 | 139 |
| 373 | 5.8 | 0.9 | 93 |
| 243 | 5.8 | 0.7 | 394 |
| 242 | 5.7 | 0.7 | 191 |
| 169 | 5.5 | 0.5 | 191 |
| 375 | 5.4 | 0.9 | 102 |
| 330 | 5.4 | 0.9 | 96 |
| 367 | 5.3 | 0.9 | 45 |
| 100 | 4.8 | 0.7 | 388 |
| 261 | 4.8 | 0.9 | 101 |
| 248 | 4.6 | 0.8 | 159 |
| 91 | 4.5 | 0.5 | 391 |
| 257 | 4.5 | 0.9 | 67 |
| 228 | 4.5 | 0.9 | 191 |
| 241 | 4.5 | 0.6 | 104 |
| 158 | 4.4 | 0.9 | 60 |
| 328 | 3.9 | 1.1 | 134 |
| 289 | 3.9 | 0.5 | 66 |
| 240 | 3.8 | 0.9 | 104 |
| 216 | 3.8 | 0.6 | 124 |
| 297 | 3.7 | 0.6 | 98 |
| 358 | 3.5 | 0.9 | 120 |
| 258 | 3.5 | 0.8 | 63 |
| 281 | 3.4 | 0.5 | 74 |
| 111 | 3.4 | 0.8 | 87 |
| 385 | 3.3 | 1.1 | 103 |
| 163 | 3.1 | 0.7 | 82 |
| 260 | 3.0 | 1.2 | 116 |
| 104 | 3.0 | 1.1 | 107 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES DOVER SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 57 | 2.9 | 1.0 | 104 |
| 219 | 2.9 | 0.5 | 141 |
| 40 | 2.9 | 0.8 | 388 |
| 131 | 2.8 | 0.6 | 98 |
| 189 | 2.7 | 1.2 | 79 |
| 184 | 2.7 | 1.3 | 83 |
| 372 | 2.7 | 0.9 | 108 |
| 326 | 2.6 | 1.0 | 66 |
| 217 | 2.6 | 0.4 | 120 |
| 245 | 2.6 | 0.9 | 189 |
| 4 | 2.6 | 0.9 | 301 |
| 282 | 2.6 | 0.8 | 101 |
| 122 | 2.4 | 1.0 | 104 |
| 310 | 2.4 | 1.1 | 57 |
| 386 | 2.3 | 1.4 | 77 |
| 327 | 2.2 | 0.9 | 98 |
| 334 | 2.2 | 0.9 | 90 |
| 13 | 2.1 | 1.0 | 301 |
| 118 | 2.0 | 0.9 | 77 |
| 311 | 2.0 | 0.9 | 44 |
| 233 | 1.9 | 0.6 | 107 |
| 337 | 1.8 | 1.0 | 115 |
| 95 | 1.8 | 1.2 | 101 |
| 298 | 1.8 | 0.8 | 85 |
| 369 | 1.8 | 0.8 | 104 |
| 72 | 1.8 | 0.9 | 68 |
| 154 | 1.7 | 0.7 | 77 |
| 115 | 1.6 | 0.5 | 93 |
| 234 | 1.6 | 0.4 | 66 |
| 290 | 1.6 | 0.9 | 82 |
| 120 | 1.5 | 0.9 | 85 |
| 61 | 1.5 | 1.1 | 109 |
| 356 | 1.5 | 0.9 | 69 |
| 271 | 1.5 | 0.8 | 109 |
| 278 | 1.5 | 0.9 | 104 |
| 294 | 1.5 | 0.7 | 87 |
| 380 | 1.5 | 1.0 | 107 |
| 387 | 1.5 | 1.1 | 104 |
| 265 | 1.5 | 0.5 | 126 |
| 246 | 1.5 | 0.5 | 87 |
| 188 | 1.4 | 1.0 | 83 |
| 336 | 1.4 | 1.1 | 90 |
| 324 | 1.4 | 1.2 | 123 |
| 203 | 1.4 | 0.7 | 107 |
| 306 | 1.4 | 1.1 | 142 |
| 299 | 1.4 | 1.0 | 90 |
| 151 | 1.4 | 0.5 | 55 |
| 262 | 1.3 | 0.9 | 118 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES DOVER SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 383 | 1.3 | 1.0 | 71 |
| 161 | 1.3 | 0.7 | 68 |
| 229 | 1.3 | 1.0 | 145 |
| 103 | 1.3 | 1.0 | 90 |
| 8 | 1.3 | 1.3 | 219 |
| 384 | 1.2 | 0.9 | 98 |
| 325 | 1.2 | 0.4 | 45 |
| 273 | 1.2 | 0.7 | 85 |
| 48 | 1.2 | 1.0 | 134 |
| 144 | 1.1 | 0.6 | 71 |
| 239 | 1.1 | 0.5 | 98 |
| 263 | 1.1 | 0.7 | 98 |
| 230 | 1.1 | 0.8 | 103 |
| 45 | 1.0 | 1.1 | 101 |
| 238 | 1.0 | 0.5 | 71 |
| 220 | 1.0 | 0.5 | 131 |
| 329 | 1.0 | 0.9 | 113 |
| 302 | 0.9 | 0.8 | 94 |
| 412 | 0.9 | 0.7 | 145 |
| 439 | 0.9 | 1.3 | 219 |
| 63 | 0.9 | 0.7 | 82 |
| 388 | 0.9 | 0.8 | 63 |
| 92 | 0.8 | 0.7 | 107 |
| 26 | 0.8 | 1.5 | 68 |
| 191 | 0.8 | 0.8 | 82 |
| 252 | 0.8 | 0.6 | 101 |
| 124 | 0.8 | 1.6 | 93 |
| 14 | 0.8 | 0.9 | 85 |
| 235 | 0.7 | 0.8 | 59 |
| 264 | 0.7 | 0.7 | 93 |
| 185 | 0.6 | 0.6 | 78 |
| 272 | 0.6 | 0.9 | 67 |
| 47 | 0.6 | 0.8 | 104 |
| 119 | 0.6 | 1.1 | 78 |
| 117 | 0.6 | 0.7 | 68 |
| 51 | 0.6 | 1.1 | 104 |
| 186 | 0.6 | 1.2 | 79 |
| 269 | 0.6 | 0.6 | 53 |
| 408 | 0.5 | 0.6 | 85 |
| 116 | 0.5 | 0.6 | 85 |
| 64 | 0.5 | 0.6 | 110 |
| 182 | 0.5 | 1.0 | 80 |
| 362 | 0.5 | 0.7 | 96 |
| 145 | 0.5 | 0.6 | 96 |
| 259 | 0.5 | 0.7 | 104 |
| 270 | 0.5 | 0.7 | 104 |
| 105 | 0.4 | 1.4 | 98 |
| 5 | 0.4 | 1.1 | 93 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES DOVER SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 335 | 0.4 | 0.8 | 63 |
| 62 | 0.4 | 0.7 | 96 |
| 83 | 0.4 | 0.7 | 82 |
| 374 | 0.3 | 1.7 | 79 |
| 114 | 0.3 | 1.3 | 82 |
| 291 | 0.3 | 0.7 | 82 |
| 315 | 0.3 | 0.7 | 82 |
| 160 | 0.3 | 0.6 | 66 |
| 295 | 0.3 | 0.7 | 72 |
| 332 | 0.3 | 0.6 | 93 |
| 231 | 0.3 | 0.7 | 118 |
| 364 | 0.3 | 1.0 | 106 |
| 73 | 0.3 | 1.0 | 52 |
| 121 | 0.2 | 1.0 | 90 |
| 52 | 0.2 | 0.9 | 87 |
| 266 | 0.2 | 0.5 | 71 |
| 236 | 0.2 | 0.5 | 107 |
| 280 | 0.2 | 1.0 | 74 |
| 341 | 0.2 | 0.5 | 79 |
| 157 | 0.2 | 0.9 | 55 |
| 300 | 0.2 | 1.0 | 96 |
| 277 | 0.2 | 0.5 | 60 |
| 44 | 0.2 | 0.8 | 77 |
| 53 | 0.2 | 0.8 | 159 |
| 187 | 0.2 | 0.4 | 83 |
| 82 | 0.2 | 0.8 | 85 |
| 293 | 0.2 | 0.6 | 71 |
| 253 | 0.2 | 0.8 | 63 |
| 59 | 0.2 | 0.8 | 98 |
| 309 | 0.1 | 0.7 | 115 |
| 147 | 0.1 | 0.6 | 90 |
| 331 | 0.1 | 0.6 | 60 |
| 21 | 0.1 | 0.6 | 104 |
| 196 | 0.1 | 0.3 | 53 |
| 274 | 0.1 | 0.6 | 100 |
| 344 | 0.1 | 0.2 | 77 |
| 355 | 0.1 | 0.5 | 74 |
| 237 | 0.1 | 0.4 | 61 |
| 66 | 0.1 | 0.4 | 82 |
| 77 | 0.0 | 0.2 | 60 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES REX SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 370 | 206.6 | 0.4 | 108 |
| 21 | 192.1 | 0.5 | 104 |
| 47 | 163.1 | 0.5 | 104 |
| 359 | 156.4 | 0.6 | 93 |
| 202 | 127.5 | 0.5 | 90 |
| 103 | 108.9 | 0.5 | 90 |
| 168 | 85.3 | 0.3 | 97 |
| 167 | 82.7 | 0.4 | 104 |
| 94 | 79.5 | 0.4 | 139 |
| 104 | 71.5 | 0.5 | 107 |
| 373 | 70.9 | 0.4 | 93 |
| 156 | 56.4 | 0.4 | 90 |
| 18 | 56.0 | 0.6 | 81 |
| 367 | 54.0 | 0.6 | 45 |
| 166 | 48.4 | 0.3 | 139 |
| 175 | 45.7 | 0.3 | 104 |
| 122 | 45.3 | 0.4 | 104 |
| 362 | 44.3 | 0.6 | 96 |
| 105 | 43.4 | 0.4 | 98 |
| 250 | 41.2 | 0.4 | 79 |
| 358 | 40.2 | 0.4 | 120 |
| 369 | 36.5 | 0.5 | 104 |
| 249 | 35.4 | 0.5 | 86 |
| 92 | 35.1 | 0.4 | 107 |
| 129 | 31.4 | 0.4 | 106 |
| 356 | 31.3 | 0.5 | 69 |
| 259 | 29.7 | 0.3 | 104 |
| 252 | 29.4 | 0.3 | 101 |
| 57 | 28.1 | 0.5 | 104 |
| 131 | 26.9 | 0.4 | 98 |
| 138 | 26.1 | 0.5 | 66 |
| 106 | 25.1 | 0.7 | 156 |
| 258 | 23.2 | 0.6 | 63 |
| 372 | 23.1 | 0.5 | 108 |
| 72 | 22.5 | 0.5 | 68 |
| 431 | 22.3 | 0.6 | 90 |
| 283 | 22.0 | 0.6 | 78 |
| 165 | 21.7 | 0.3 | 115 |
| 45 | 21.4 | 0.4 | 101 |
| 383 | 21.1 | 0.4 | 71 |
| 95 | 20.9 | 0.5 | 101 |
| 24 | 20.9 | 0.3 | 139 |
| 326 | 20.7 | 0.6 | 66 |
| 48 | 20.6 | 0.4 | 134 |
| 379 | 20.4 | 0.5 | 107 |
| 216 | 19.8 | 0.4 | 124 |
| 375 | 19.4 | 0.3 | 102 |
| 217 | 19.3 | 0.4 | 120 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES REX SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 384 | 19.0 | 0.4 | 98 |
| 227 | 17.2 | 0.3 | 164 |
| 224 | 16.1 | 0.3 | 175 |
| 363 | 16.0 | 0.4 | 189 |
| 10 | 15.8 | 0.4 | 153 |
| 438 | 14.5 | 0.5 | 90 |
| 225 | 14.1 | 0.3 | 175 |
| 117 | 13.6 | 0.7 | 68 |
| 215 | 13.5 | 0.3 | 139 |
| 257 | 13.2 | 0.5 | 67 |
| 137 | 12.9 | 0.4 | 55 |
| 337 | 12.8 | 0.6 | 115 |
| 132 | 12.6 | 0.4 | 159 |
| 179 | 12.5 | 0.3 | 163 |
| 223 | 12.1 | 0.3 | 164 |
| 161 | 11.7 | 0.3 | 68 |
| 172 | 11.6 | 0.3 | 153 |
| 220 | 11.4 | 0.3 | 131 |
| 163 | 11.1 | 0.4 | 82 |
| 255 | 10.9 | 0.4 | 67 |
| 50 | 10.5 | 0.4 | 200 |
| 111 | 10.1 | 0.6 | 87 |
| 386 | 10.1 | 0.6 | 77 |
| 254 | 10.0 | 0.4 | 68 |
| 385 | 10.0 | 0.5 | 103 |
| 101 | 9.9 | 0.4 | 276 |
| 56 | 9.8 | 0.4 | 205 |
| 325 | 9.7 | 0.5 | 45 |
| 222 | 9.6 | 0.3 | 180 |
| 261 | 9.4 | 0.4 | 101 |
| 241 | 8.8 | 0.3 | 104 |
| 419 | 8.7 | 0.4 | 56 |
| 213 | 8.5 | 0.3 | 128 |
| 44 | 8.5 | 0.4 | 77 |
| 46 | 8.5 | 0.4 | 284 |
| 364 | 8.4 | 0.6 | 106 |
| 14 | 8.2 | 0.3 | 85 |
| 85 | 8.0 | 0.5 | 71 |
| 388 | 8.0 | 0.3 | 63 |
| 130 | 7.9 | 0.5 | 191 |
| 59 | 7.8 | 0.6 | 98 |
| 323 | 7.3 | 0.3 | 55 |
| 89 | 7.2 | 0.5 | 108 |
| 214 | 6.9 | 0.3 | 145 |
| 160 | 6.7 | 0.3 | 66 |
| 189 | 6.4 | 0.6 | 79 |
| 374 | 6.3 | 0.5 | 79 |
| 281 | 6.3 | 0.4 | 74 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES REX SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 242 | 6.1 | 0.3 | 191 |
| 221 | 5.8 | 0.3 | 186 |
| 99 | 5.8 | 0.4 | 191 |
| 263 | 5.6 | 0.3 | 98 |
| 226 | 5.6 | 0.3 | 175 |
| 264 | 5.5 | 0.3 | 93 |
| 229 | 5.5 | 0.3 | 145 |
| 86 | 5.4 | 0.3 | 60 |
| 115 | 5.3 | 0.4 | 93 |
| 93 | 5.3 | 0.5 | 96 |
| 282 | 5.3 | 0.6 | 101 |
| 158 | 5.3 | 0.4 | 60 |
| 120 | 5.2 | 0.3 | 85 |
| 208 | 5.1 | 0.2 | 48 |
| 219 | 5.1 | 0.3 | 141 |
| 96 | 5.1 | 0.4 | 284 |
| 124 | 5.0 | 0.5 | 93 |
| 90 | 4.9 | 0.3 | 301 |
| 198 | 4.8 | 0.5 | 55 |
| 52 | 4.8 | 0.5 | 87 |
| 349 | 4.7 | 0.3 | 66 |
| 256 | 4.5 | 0.5 | 85 |
| 218 | 4.5 | 0.3 | 156 |
| 355 | 4.5 | 0.7 | 74 |
| 414 | 4.4 | 0.6 | 208 |
| 338 | 4.3 | 0.5 | 52 |
| 154 | 4.3 | 0.4 | 77 |
| 336 | 4.3 | 0.7 | 90 |
| 232 | 4.2 | 0.3 | 82 |
| 149 | 4.0 | 0.4 | 82 |
| 408 | 4.0 | 0.5 | 85 |
| 157 | 3.9 | 0.5 | 55 |
| 285 | 3.9 | 0.4 | 98 |
| 155 | 3.9 | 0.6 | 104 |
| 61 | 3.8 | 0.7 | 109 |
| 380 | 3.7 | 0.5 | 107 |
| 110 | 3.6 | 0.5 | 200 |
| 12 | 3.5 | 0.3 | 86 |
| 422 | 3.4 | 0.3 | 57 |
| 181 | 3.3 | 0.5 | 78 |
| 253 | 3.3 | 0.4 | 63 |
| 118 | 3.2 | 0.6 | 77 |
| 173 | 3.2 | 0.3 | 98 |
| 387 | 3.2 | 0.7 | 104 |
| 8 | 3.1 | 0.5 | 219 |
| 66 | 3.0 | 0.3 | 82 |
| 427 | 2.8 | 0.3 | 57 |
| 234 | 2.8 | 0.2 | 66 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES REX SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 102 | 2.8 | 0.5 | 82 |
| 437 | 2.8 | 0.5 | 141 |
| 78 | 2.8 | 0.3 | 67 |
| 345 | 2.7 | 0.3 | 66 |
| 289 | 2.7 | 0.4 | 66 |
| 238 | 2.7 | 0.3 | 71 |
| 174 | 2.6 | 0.3 | 98 |
| 180 | 2.6 | 0.7 | 80 |
| 164 | 2.6 | 0.5 | 197 |
| 288 | 2.6 | 0.0 | 101 |
| 5 | 2.5 | 0.5 | 93 |
| 169 | 2.5 | 0.3 | 191 |
| 237 | 2.4 | 0.3 | 61 |
| 273 | 2.4 | 0.3 | 85 |
| 405 | 2.3 | 0.3 | 67 |
| 266 | 2.2 | 0.3 | 71 |
| 233 | 2.1 | 0.3 | 107 |
| 239 | 2.1 | 0.2 | 98 |
| 71 | 2.1 | 0.2 | 82 |
| 34 | 2.1 | 0.3 | 77 |
| 62 | 2.0 | 0.6 | 96 |
| 267 | 1.9 | 0.3 | 67 |
| 291 | 1.9 | 0.6 | 82 |
| 1 | 1.8 | 0.5 | 120 |
| 334 | 1.8 | 0.4 | 90 |
| 346 | 1.7 | 0.3 | 66 |
| 203 | 1.7 | 0.3 | 107 |
| 63 | 1.7 | 0.3 | 82 |
| 190 | 1.6 | 0.5 | 80 |
| 297 | 1.6 | 0.5 | 98 |
| 19 | 1.6 | 0.4 | 52 |
| 347 | 1.6 | 0.3 | 68 |
| 420 | 1.6 | 0.3 | 44 |
| 187 | 1.6 | 0.5 | 83 |
| 185 | 1.6 | 0.5 | 78 |
| 119 | 1.5 | 0.5 | 78 |
| 29 | 1.5 | 0.2 | 52 |
| 287 | 1.4 | 0.3 | 55 |
| 406 | 1.4 | 0.3 | 52 |
| 170 | 1.3 | 0.2 | 284 |
| 269 | 1.3 | 0.3 | 53 |
| 436 | 1.3 | 0.4 | 84 |
| 11 | 1.3 | 0.3 | 98 |
| 193 | 1.3 | 0.4 | 54 |
| 116 | 1.2 | 0.3 | 85 |
| 195 | 1.2 | 0.4 | 53 |
| 240 | 1.2 | 0.2 | 104 |
| 182 | 1.1 | 0.4 | 80 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES REX SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 340 | 1.0 | 0.3 | 82 |
| 280 | 1.0 | 0.4 | 74 |
| 199 | 1.0 | 0.5 | 55 |
| 398 | 0.9 | 0.4 | 85 |
| 412 | 0.9 | 0.4 | 145 |
| 331 | 0.9 | 0.2 | 60 |
| 35 | 0.9 | 0.3 | 79 |
| 352 | 0.9 | 0.2 | 66 |
| 272 | 0.9 | 0.3 | 67 |
| 188 | 0.8 | 0.6 | 83 |
| 275 | 0.8 | 0.3 | 71 |
| 30 | 0.8 | 0.5 | 66 |
| 395 | 0.8 | 0.3 | 71 |
| 271 | 0.8 | 0.4 | 109 |
| 389 | 0.8 | 0.4 | 75 |
| 113 | 0.8 | 0.3 | 60 |
| 171 | 0.8 | 0.3 | 328 |
| 329 | 0.8 | 0.5 | 113 |
| 311 | 0.7 | 0.3 | 44 |
| 121 | 0.7 | 1.0 | 90 |
| 82 | 0.7 | 0.3 | 85 |
| 183 | 0.7 | 0.5 | 82 |
| 186 | 0.7 | 0.3 | 79 |
| 39 | 0.7 | 0.6 | 104 |
| 55 | 0.7 | 0.4 | 301 |
| 191 | 0.7 | 0.5 | 82 |
| 73 | 0.6 | 0.4 | 52 |
| 404 | 0.6 | 0.4 | 55 |
| 430 | 0.6 | 0.5 | 85 |
| 54 | 0.6 | 0.6 | 107 |
| 230 | 0.6 | 0.2 | 103 |
| 151 | 0.6 | 0.4 | 55 |
| 299 | 0.6 | 0.2 | 90 |
| 351 | 0.6 | 0.2 | 85 |
| 212 | 0.6 | 0.5 | 56 |
| 64 | 0.6 | 0.3 | 110 |
| 361 | 0.6 | 0.4 | 180 |
| 399 | 0.5 | 0.5 | 87 |
| 381 | 0.5 | 0.4 | 219 |
| 339 | 0.5 | 0.3 | 57 |
| 196 | 0.5 | 0.4 | 53 |
| 77 | 0.5 | 0.4 | 60 |
| 270 | 0.5 | 0.3 | 104 |
| 304 | 0.5 | 0.2 | 118 |
| 357 | 0.5 | 0.5 | 52 |
| 341 | 0.5 | 0.3 | 79 |
| 265 | 0.5 | 0.4 | 126 |
| 302 | 0.5 | 0.1 | 94 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES REX SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 344 | 0.5 | 0.3 | 77 |
| 392 | 0.4 | 0.3 | 75 |
| 159 | 0.4 | 0.3 | 273 |
| 194 | 0.4 | 0.4 | 52 |
| 443 | 0.4 | 0.7 | 77 |
| 251 | 0.4 | 0.3 | 63 |
| 68 | 0.4 | 0.1 | 82 |
| 244 | 0.3 | 0.3 | 282 |
| 236 | 0.3 | 0.4 | 107 |
| 81 | 0.3 | 0.2 | 71 |
| 42 | 0.3 | 0.2 | 55 |
| 192 | 0.3 | 0.2 | 53 |
| 350 | 0.3 | 0.3 | 57 |
| 9 | 0.3 | 0.4 | 100 |
| 200 | 0.3 | 0.2 | 53 |
| 278 | 0.3 | 0.5 | 104 |
| 79 | 0.3 | 0.2 | 69 |
| 294 | 0.3 | 0.6 | 87 |
| 53 | 0.3 | 0.5 | 159 |
| 75 | 0.3 | 0.2 | 85 |
| 231 | 0.3 | 0.2 | 118 |
| 145 | 0.2 | 0.9 | 96 |
| 330 | 0.2 | 0.3 | 96 |
| 446 | 0.2 | 0.2 | 46 |
| 144 | 0.2 | 0.4 | 71 |
| 13 | 0.2 | 0.8 | 301 |
| 243 | 0.2 | 0.3 | 394 |
| 209 | 0.2 | 0.3 | 55 |
| 211 | 0.2 | 0.3 | 56 |
| 290 | 0.2 | 0.2 | 82 |
| 84 | 0.2 | 0.3 | 82 |
| 248 | 0.2 | 0.3 | 159 |
| 262 | 0.2 | 0.5 | 118 |
| 245 | 0.2 | 0.3 | 189 |
| 140 | 0.2 | 0.2 | 48 |
| 335 | 0.2 | 0.4 | 63 |
| 310 | 0.2 | 0.3 | 57 |
| 247 | 0.2 | 0.3 | 355 |
| 235 | 0.2 | 0.2 | 59 |
| 43 | 0.2 | 0.2 | 50 |
| 127 | 0.2 | 0.6 | 42 |
| 7 | 0.1 | 0.2 | 63 |
| 70 | 0.1 | 0.2 | 93 |
| 295 | 0.1 | 0.7 | 72 |
| 308 | 0.1 | 0.1 | 148 |
| 298 | 0.1 | 0.3 | 85 |
| 440 | 0.1 | 0.3 | 82 |
| 32 | 0.1 | 0.5 | 33 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ROCK SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 323 | 1436.8 | 0.8 | 55 |
| 325 | 151.6 | 0.6 | 45 |
| 140 | 105.3 | 0.3 | 48 |
| 32 | 96.1 | 0.5 | 33 |
| 43 | 73.2 | 0.6 | 50 |
| 19 | 64.0 | 0.6 | 52 |
| 402 | 55.6 | 0.7 | 40 |
| 134 | 54.9 | 0.4 | 39 |
| 17 | 52.1 | 0.7 | 45 |
| 33 | 50.6 | 0.3 | 44 |
| 206 | 49.2 | 0.5 | 55 |
| 137 | 47.2 | 0.3 | 55 |
| 136 | 42.8 | 0.4 | 27 |
| 433 | 42.0 | 0.8 | 53 |
| 314 | 40.1 | 0.6 | 19 |
| 28 | 38.2 | 0.5 | 54 |
| 423 | 37.6 | 0.5 | 49 |
| 420 | 37.4 | 0.4 | 44 |
| 112 | 36.7 | 0.5 | 41 |
| 27 | 35.4 | 0.6 | 41 |
| 446 | 35.2 | 0.6 | 46 |
| 139 | 33.6 | 0.5 | 66 |
| 208 | 32.4 | 0.5 | 48 |
| 317 | 32.2 | 0.8 | 27 |
| 287 | 31.3 | 0.4 | 55 |
| 209 | 31.1 | 0.3 | 55 |
| 368 | 30.9 | 0.8 | 19 |
| 151 | 29.8 | 0.4 | 55 |
| 133 | 26.5 | 0.4 | 41 |
| 29 | 26.0 | 0.4 | 52 |
| 176 | 25.4 | 0.3 | 50 |
| 138 | 25.4 | 0.4 | 66 |
| 204 | 25.2 | 0.4 | 45 |
| 20 | 24.8 | 1.0 | 52 |
| 434 | 24.6 | 0.6 | 41 |
| 205 | 24.0 | 0.4 | 37 |
| 211 | 20.4 | 0.4 | 56 |
| 31 | 19.0 | 0.4 | 36 |
| 419 | 18.5 | 0.6 | 56 |
| 178 | 17.7 | 0.3 | 44 |
| 143 | 17.4 | 0.4 | 34 |
| 448 | 16.9 | 0.4 | 47 |
| 394 | 16.7 | 0.5 | 39 |
| 349 | 16.4 | 0.6 | 66 |
| 296 | 14.9 | 0.7 | 82 |
| 406 | 14.0 | 0.5 | 52 |
| 367 | 13.9 | 0.6 | 45 |
| 135 | 13.7 | 0.4 | 30 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ROCK SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 30 | 13.7 | 0.6 | 66 |
| 447 | 13.6 | 0.5 | 49 |
| 142 | 13.4 | 0.5 | 30 |
| 6 | 13.1 | 0.6 | 63 |
| 148 | 12.9 | 0.9 | 60 |
| 429 | 12.8 | 0.7 | 49 |
| 443 | 12.8 | 0.5 | 77 |
| 177 | 12.3 | 0.4 | 44 |
| 365 | 11.9 | 0.8 | 42 |
| 67 | 11.5 | 0.4 | 44 |
| 42 | 11.3 | 0.4 | 55 |
| 316 | 11.0 | 0.8 | 22 |
| 163 | 10.9 | 0.4 | 82 |
| 418 | 10.8 | 0.4 | 26 |
| 194 | 10.8 | 0.4 | 52 |
| 200 | 10.3 | 0.4 | 53 |
| 442 | 9.7 | 0.5 | 85 |
| 197 | 9.4 | 0.3 | 51 |
| 427 | 9.2 | 0.6 | 57 |
| 86 | 9.1 | 0.6 | 60 |
| 5 | 8.8 | 0.6 | 93 |
| 115 | 8.8 | 0.5 | 93 |
| 196 | 8.7 | 0.3 | 53 |
| 438 | 8.7 | 0.9 | 90 |
| 322 | 8.6 | 0.6 | 34 |
| 440 | 8.6 | 0.7 | 82 |
| 161 | 8.5 | 0.4 | 68 |
| 212 | 8.3 | 0.4 | 56 |
| 14 | 8.2 | 0.7 | 85 |
| 403 | 8.2 | 0.5 | 57 |
| 12 | 8.2 | 0.7 | 86 |
| 9 | 8.1 | 0.4 | 100 |
| 289 | 8.0 | 0.5 | 66 |
| 444 | 7.9 | 0.4 | 41 |
| 16 | 7.5 | 0.5 | 44 |
| 338 | 7.5 | 0.5 | 52 |
| 81 | 7.2 | 0.6 | 71 |
| 441 | 6.7 | 0.5 | 51 |
| 157 | 6.7 | 0.4 | 55 |
| 326 | 6.7 | 0.7 | 66 |
| 11 | 6.4 | 0.6 | 98 |
| 426 | 6.4 | 0.6 | 44 |
| 158 | 6.3 | 0.4 | 60 |
| 210 | 6.0 | 0.4 | 56 |
| 422 | 6.0 | 0.4 | 57 |
| 15 | 5.8 | 0.6 | 46 |
| 49 | 5.7 | 0.6 | 43 |
| 435 | 5.7 | 0.7 | 41 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ROCK SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 333 | 5.4 | 0.4 | 38 |
| 339 | 5.4 | 0.4 | 57 |
| 344 | 5.3 | 0.6 | 77 |
| 360 | 5.2 | 0.7 | 57 |
| 430 | 5.2 | 0.8 | 85 |
| 436 | 5.2 | 0.7 | 84 |
| 207 | 4.9 | 0.5 | 52 |
| 424 | 4.7 | 0.4 | 40 |
| 44 | 4.4 | 0.5 | 77 |
| 348 | 4.2 | 0.5 | 48 |
| 144 | 4.2 | 0.4 | 71 |
| 357 | 4.1 | 0.4 | 52 |
| 410 | 4.1 | 0.5 | 41 |
| 119 | 4.0 | 0.5 | 78 |
| 352 | 4.0 | 0.7 | 66 |
| 288 | 3.9 | 0.3 | 101 |
| 404 | 3.7 | 0.5 | 55 |
| 345 | 3.6 | 0.5 | 66 |
| 341 | 3.6 | 0.7 | 79 |
| 417 | 3.5 | 0.4 | 33 |
| 87 | 3.4 | 0.5 | 49 |
| 331 | 3.3 | 0.5 | 60 |
| 398 | 3.1 | 0.8 | 85 |
| 105 | 3.1 | 0.7 | 98 |
| 195 | 3.1 | 0.4 | 53 |
| 26 | 3.1 | 0.7 | 68 |
| 335 | 3.0 | 0.5 | 63 |
| 126 | 2.9 | 0.3 | 53 |
| 396 | 2.6 | 0.4 | 34 |
| 292 | 2.5 | 0.5 | 66 |
| 113 | 2.4 | 0.2 | 60 |
| 141 | 2.4 | 0.3 | 37 |
| 428 | 2.4 | 0.6 | 44 |
| 21 | 2.3 | 0.6 | 104 |
| 425 | 2.3 | 0.5 | 42 |
| 198 | 2.1 | 0.4 | 55 |
| 350 | 2.1 | 0.6 | 57 |
| 284 | 2.0 | 0.3 | 48 |
| 160 | 1.9 | 0.4 | 66 |
| 193 | 1.8 | 0.4 | 54 |
| 102 | 1.8 | 0.7 | 82 |
| 149 | 1.7 | 0.4 | 82 |
| 312 | 1.7 | 0.6 | 20 |
| 77 | 1.7 | 0.6 | 60 |
| 199 | 1.7 | 0.3 | 55 |
| 421 | 1.7 | 0.3 | 37 |
| 60 | 1.6 | 0.5 | 49 |
| 315 | 1.5 | 0.6 | 82 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ROCK SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 73 | 1.5 | 0.5 | 52 |
| 321 | 1.4 | 0.5 | 29 |
| 253 | 1.4 | 0.5 | 63 |
| 123 | 1.3 | 0.4 | 38 |
| 93 | 1.3 | 0.8 | 96 |
| 150 | 1.3 | 0.4 | 60 |
| 127 | 1.3 | 0.3 | 42 |
| 251 | 1.2 | 0.5 | 63 |
| 192 | 1.2 | 0.4 | 53 |
| 405 | 1.2 | 0.6 | 67 |
| 432 | 1.2 | 0.5 | 55 |
| 313 | 1.1 | 0.9 | 16 |
| 118 | 1.1 | 0.6 | 77 |
| 116 | 1.1 | 0.6 | 85 |
| 397 | 1.1 | 0.4 | 45 |
| 285 | 1.0 | 0.4 | 98 |
| 114 | 1.0 | 0.5 | 82 |
| 416 | 1.0 | 0.4 | 44 |
| 34 | 1.0 | 0.4 | 77 |
| 277 | 1.0 | 0.4 | 60 |
| 318 | 0.9 | 0.6 | 21 |
| 162 | 0.9 | 0.4 | 57 |
| 343 | 0.9 | 0.7 | 87 |
| 2 | 0.9 | 0.6 | 79 |
| 395 | 0.9 | 0.6 | 71 |
| 201 | 0.9 | 0.4 | 28 |
| 347 | 0.8 | 0.7 | 68 |
| 181 | 0.8 | 0.4 | 78 |
| 401 | 0.8 | 0.5 | 46 |
| 377 | 0.8 | 0.4 | 44 |
| 258 | 0.8 | 0.6 | 63 |
| 342 | 0.7 | 0.4 | 66 |
| 293 | 0.7 | 0.6 | 71 |
| 451 | 0.7 | 0.9 | 87 |
| 366 | 0.7 | 0.6 | 22 |
| 58 | 0.7 | 0.6 | 45 |
| 297 | 0.7 | 0.6 | 98 |
| 252 | 0.7 | 0.5 | 101 |
| 124 | 0.7 | 0.4 | 93 |
| 445 | 0.7 | 0.4 | 36 |
| 437 | 0.6 | 0.8 | 141 |
| 383 | 0.6 | 0.7 | 71 |
| 147 | 0.6 | 0.4 | 90 |
| 411 | 0.6 | 0.6 | 39 |
| 185 | 0.6 | 0.4 | 78 |
| 84 | 0.5 | 0.6 | 82 |
| 269 | 0.5 | 0.5 | 53 |
| 311 | 0.5 | 0.8 | 44 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ROCK SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 145 | 0.5 | 0.5 | 96 |
| 336 | 0.5 | 0.5 | 90 |
| 413 | 0.5 | 1.0 | 87 |
| 186 | 0.5 | 0.5 | 79 |
| 180 | 0.5 | 0.8 | 80 |
| 153 | 0.5 | 0.3 | 26 |
| 154 | 0.4 | 0.4 | 77 |
| 83 | 0.4 | 0.8 | 82 |
| 278 | 0.4 | 0.7 | 104 |
| 107 | 0.4 | 0.5 | 46 |
| 295 | 0.4 | 0.5 | 72 |
| 61 | 0.4 | 0.6 | 109 |
| 290 | 0.4 | 0.5 | 82 |
| 399 | 0.4 | 0.7 | 87 |
| 374 | 0.4 | 0.5 | 79 |
| 286 | 0.4 | 0.5 | 41 |
| 327 | 0.4 | 0.8 | 98 |
| 382 | 0.4 | 0.6 | 54 |
| 384 | 0.4 | 0.6 | 98 |
| 268 | 0.4 | 0.4 | 51 |
| 78 | 0.4 | 0.7 | 67 |
| 453 | 0.3 | 0.7 | 85 |
| 234 | 0.3 | 0.7 | 66 |
| 80 | 0.3 | 0.7 | 87 |
| 334 | 0.3 | 0.7 | 90 |
| 168 | 0.3 | 0.7 | 97 |
| 184 | 0.3 | 0.6 | 83 |
| 454 | 0.3 | 0.7 | 38 |
| 254 | 0.3 | 0.7 | 68 |
| 408 | 0.3 | 0.7 | 85 |
| 407 | 0.3 | 0.7 | 86 |
| 36 | 0.3 | 1.4 | 98 |
| 103 | 0.3 | 1.0 | 90 |
| 3 | 0.2 | 0.2 | 68 |
| 38 | 0.2 | 0.8 | 37 |
| 237 | 0.2 | 0.9 | 61 |
| 189 | 0.2 | 0.5 | 79 |
| 414 | 0.2 | 1.0 | 208 |
| 121 | 0.2 | 0.9 | 90 |
| 332 | 0.2 | 0.5 | 93 |
| 68 | 0.2 | 0.8 | 82 |
| 37 | 0.2 | 0.8 | 43 |
| 117 | 0.2 | 0.3 | 68 |
| 39 | 0.2 | 0.7 | 104 |
| 76 | 0.2 | 0.7 | 82 |
| 324 | 0.2 | 0.5 | 123 |
| 202 | 0.2 | 0.2 | 90 |
| 187 | 0.2 | 0.3 | 83 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ROCK SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 340 | 0.2 | 0.6 | 82 |
| 85 | 0.2 | 0.6 | 71 |
| 279 | 0.2 | 0.5 | 93 |
| 156 | 0.2 | 0.6 | 90 |
| 388 | 0.1 | 0.3 | 63 |
| 255 | 0.1 | 0.7 | 67 |
| 188 | 0.1 | 0.3 | 83 |
| 75 | 0.1 | 0.6 | 85 |
| 120 | 0.1 | 0.3 | 85 |
| 351 | 0.1 | 0.6 | 85 |
| 302 | 0.1 | 0.5 | 94 |
| 82 | 0.1 | 0.5 | 85 |
| 108 | 0.1 | 0.2 | 36 |
| 330 | 0.1 | 0.4 | 96 |
| 291 | 0.1 | 0.4 | 82 |
| 146 | 0.1 | 0.3 | 90 |
| 167 | 0.1 | 0.3 | 104 |
| 70 | 0.1 | 0.3 | 93 |
| 1 | 0.1 | 0.2 | 120 |
| 294 | 0.1 | 0.3 | 87 |
| 337 | 0.1 | 0.3 | 115 |
| 378 | 0.1 | 0.2 | 49 |
| 298 | 0.0 | 0.2 | 85 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES SABLEFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 110 | 801.3 | 2.7 | 200 |
| 53 | 732.6 | 1.5 | 159 |
| 94 | 700.0 | 2.6 | 139 |
| 381 | 626.7 | 3.3 | 219 |
| 93 | 581.6 | 1.8 | 96 |
| 174 | 573.0 | 1.9 | 98 |
| 364 | 549.6 | 1.6 | 106 |
| 122 | 545.6 | 2.7 | 104 |
| 221 | 397.9 | 2.6 | 186 |
| 375 | 386.1 | 2.3 | 102 |
| 247 | 378.3 | 3.2 | 355 |
| 101 | 376.2 | 2.6 | 276 |
| 89 | 313.4 | 3.0 | 108 |
| 109 | 306.2 | 3.1 | 279 |
| 96 | 293.9 | 3.0 | 284 |
| 159 | 286.7 | 3.2 | 273 |
| 164 | 251.7 | 2.8 | 197 |
| 55 | 251.4 | 2.4 | 301 |
| 90 | 232.2 | 2.9 | 301 |
| 172 | 225.1 | 2.6 | 153 |
| 262 | 215.2 | 3.1 | 118 |
| 45 | 209.0 | 1.6 | 101 |
| 310 | 207.6 | 1.9 | 57 |
| 179 | 206.8 | 2.8 | 163 |
| 4 | 206.8 | 3.6 | 301 |
| 56 | 190.7 | 2.4 | 205 |
| 173 | 190.6 | 1.8 | 98 |
| 386 | 187.8 | 2.4 | 77 |
| 48 | 187.3 | 2.5 | 134 |
| 249 | 187.0 | 2.5 | 86 |
| 222 | 185.8 | 2.6 | 180 |
| 369 | 181.0 | 2.5 | 104 |
| 97 | 175.2 | 2.6 | 394 |
| 155 | 170.4 | 3.2 | 104 |
| 106 | 169.9 | 2.4 | 156 |
| 226 | 157.5 | 2.5 | 175 |
| 26 | 154.1 | 1.7 | 68 |
| 244 | 152.1 | 3.4 | 282 |
| 91 | 147.7 | 1.9 | 391 |
| 218 | 143.3 | 2.3 | 156 |
| 359 | 128.3 | 1.9 | 93 |
| 95 | 125.3 | 2.5 | 101 |
| 170 | 123.7 | 2.8 | 284 |
| 8 | 121.7 | 2.7 | 219 |
| 370 | 118.3 | 1.6 | 108 |
| 223 | 112.3 | 2.0 | 164 |
| 98 | 111.3 | 2.7 | 410 |
| 92 | 109.4 | 1.6 | 107 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES SABLEFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 130 | 106.5 | 2.6 | 191 |
| 169 | 105.6 | 2.7 | 191 |
| 156 | 104.6 | 2.5 | 90 |
| 214 | 103.6 | 2.6 | 145 |
| 23 | 96.9 | 2.1 | 246 |
| 255 | 95.9 | 1.8 | 67 |
| 224 | 94.9 | 2.4 | 175 |
| 363 | 91.6 | 3.3 | 189 |
| 229 | 87.3 | 2.4 | 145 |
| 228 | 83.3 | 3.7 | 191 |
| 282 | 79.5 | 2.5 | 101 |
| 252 | 75.6 | 2.9 | 101 |
| 171 | 74.7 | 2.7 | 328 |
| 203 | 74.5 | 2.2 | 107 |
| 13 | 72.6 | 3.2 | 301 |
| 215 | 69.5 | 2.2 | 139 |
| 261 | 69.4 | 2.7 | 101 |
| 132 | 68.2 | 2.7 | 159 |
| 289 | 67.5 | 1.8 | 66 |
| 50 | 65.7 | 2.0 | 200 |
| 352 | 62.4 | 1.3 | 66 |
| 225 | 58.2 | 2.4 | 175 |
| 337 | 58.1 | 2.2 | 115 |
| 100 | 56.9 | 2.6 | 388 |
| 285 | 51.8 | 2.9 | 98 |
| 260 | 51.6 | 2.9 | 116 |
| 166 | 51.1 | 3.1 | 139 |
| 258 | 51.1 | 2.3 | 63 |
| 385 | 49.9 | 2.7 | 103 |
| 242 | 49.5 | 3.0 | 191 |
| 161 | 48.4 | 2.4 | 68 |
| 331 | 46.4 | 1.6 | 60 |
| 165 | 45.0 | 1.8 | 115 |
| 379 | 44.2 | 1.9 | 107 |
| 128 | 42.9 | 3.0 | 366 |
| 99 | 42.6 | 3.1 | 191 |
| 227 | 42.4 | 2.2 | 164 |
| 46 | 41.9 | 2.0 | 284 |
| 250 | 40.1 | 2.6 | 79 |
| 175 | 40.0 | 2.0 | 104 |
| 213 | 40.0 | 1.7 | 128 |
| 241 | 37.7 | 2.5 | 104 |
| 168 | 36.8 | 1.9 | 97 |
| 254 | 35.3 | 2.0 | 68 |
| 281 | 34.8 | 2.3 | 74 |
| 328 | 34.8 | 3.7 | 134 |
| 243 | 34.7 | 3.5 | 394 |
| 154 | 34.4 | 1.7 | 77 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES SABLEFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 361 | 30.4 | 3.6 | 180 |
| 259 | 29.8 | 1.3 | 104 |
| 414 | 29.5 | 3.5 | 208 |
| 236 | 29.5 | 2.8 | 107 |
| 245 | 27.4 | 3.3 | 189 |
| 304 | 26.1 | 1.9 | 118 |
| 387 | 26.1 | 2.8 | 104 |
| 302 | 25.3 | 1.6 | 94 |
| 294 | 25.2 | 1.8 | 87 |
| 362 | 24.7 | 1.4 | 96 |
| 297 | 24.1 | 1.7 | 98 |
| 407 | 23.2 | 1.7 | 86 |
| 22 | 23.1 | 3.2 | 410 |
| 307 | 23.1 | 3.2 | 150 |
| 283 | 23.0 | 2.4 | 78 |
| 263 | 23.0 | 3.2 | 98 |
| 309 | 20.8 | 3.3 | 115 |
| 330 | 20.1 | 2.6 | 96 |
| 219 | 19.9 | 1.8 | 141 |
| 167 | 19.0 | 1.9 | 104 |
| 439 | 18.7 | 1.8 | 219 |
| 358 | 18.4 | 2.6 | 120 |
| 14 | 17.8 | 1.5 | 85 |
| 264 | 17.4 | 1.7 | 93 |
| 231 | 17.3 | 2.2 | 118 |
| 157 | 17.0 | 1.2 | 55 |
| 356 | 16.8 | 1.5 | 69 |
| 257 | 16.2 | 2.3 | 67 |
| 291 | 16.1 | 2.5 | 82 |
| 47 | 15.5 | 2.3 | 104 |
| 248 | 15.0 | 3.2 | 159 |
| 163 | 14.5 | 1.7 | 82 |
| 272 | 14.0 | 1.1 | 67 |
| 278 | 13.9 | 3.0 | 104 |
| 220 | 13.8 | 2.3 | 131 |
| 329 | 13.7 | 3.0 | 113 |
| 233 | 13.6 | 2.2 | 107 |
| 408 | 13.3 | 1.3 | 85 |
| 202 | 13.0 | 1.9 | 90 |
| 288 | 12.9 | 2.9 | 101 |
| 305 | 12.5 | 2.6 | 110 |
| 265 | 12.3 | 2.9 | 126 |
| 40 | 12.3 | 2.6 | 388 |
| 315 | 12.0 | 2.3 | 82 |
| 324 | 11.0 | 2.2 | 123 |
| 298 | 10.9 | 1.4 | 85 |
| 52 | 10.8 | 1.5 | 87 |
| 388 | 10.7 | 1.5 | 63 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES SABLEFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 306 | 10.6 | 2.2 | 142 |
| 273 | 10.6 | 1.9 | 85 |
| 239 | 10.0 | 2.6 | 98 |
| 333 | 9.4 | 1.6 | 38 |
| 256 | 9.0 | 2.5 | 85 |
| 327 | 9.0 | 3.4 | 98 |
| 308 | 8.8 | 3.1 | 148 |
| 372 | 8.7 | 2.1 | 108 |
| 59 | 8.4 | 1.7 | 98 |
| 301 | 8.2 | 1.8 | 97 |
| 51 | 7.9 | 1.3 | 104 |
| 430 | 7.7 | 1.4 | 85 |
| 61 | 7.6 | 0.9 | 109 |
| 64 | 7.2 | 1.4 | 110 |
| 373 | 7.2 | 1.9 | 93 |
| 270 | 6.6 | 2.2 | 104 |
| 181 | 6.4 | 1.5 | 78 |
| 280 | 6.2 | 1.5 | 74 |
| 10 | 6.1 | 1.7 | 153 |
| 271 | 5.8 | 2.4 | 109 |
| 129 | 5.7 | 2.1 | 106 |
| 335 | 5.3 | 1.5 | 63 |
| 57 | 5.3 | 1.9 | 104 |
| 230 | 5.1 | 1.7 | 103 |
| 351 | 5.1 | 1.9 | 85 |
| 103 | 5.0 | 1.3 | 90 |
| 54 | 4.9 | 1.5 | 107 |
| 299 | 4.7 | 2.7 | 90 |
| 131 | 4.7 | 1.2 | 98 |
| 336 | 4.5 | 1.7 | 90 |
| 217 | 4.5 | 1.8 | 120 |
| 266 | 4.4 | 1.7 | 71 |
| 216 | 4.4 | 2.2 | 124 |
| 191 | 4.4 | 3.1 | 82 |
| 240 | 4.4 | 3.1 | 104 |
| 145 | 4.2 | 2.3 | 96 |
| 232 | 4.2 | 2.1 | 82 |
| 190 | 3.8 | 2.5 | 80 |
| 279 | 3.7 | 2.5 | 93 |
| 452 | 3.7 | 3.6 | 137 |
| 65 | 3.7 | 1.6 | 112 |
| 186 | 3.6 | 1.5 | 79 |
| 238 | 3.5 | 1.6 | 71 |
| 235 | 3.4 | 1.2 | 59 |
| 311 | 3.4 | 1.5 | 44 |
| 188 | 3.2 | 1.7 | 83 |
| 124 | 3.1 | 1.9 | 93 |
| 290 | 3.0 | 1.6 | 82 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES SABLEFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 393 | 2.9 | 1.7 | 89 |
| 354 | 2.9 | 1.7 | 72 |
| 392 | 2.8 | 1.5 | 75 |
| 21 | 2.7 | 1.5 | 104 |
| 187 | 2.6 | 2.7 | 83 |
| 158 | 2.6 | 1.7 | 60 |
| 183 | 2.6 | 1.8 | 82 |
| 138 | 2.6 | 1.4 | 66 |
| 296 | 2.4 | 3.1 | 82 |
| 146 | 2.4 | 2.3 | 90 |
| 121 | 2.4 | 2.4 | 90 |
| 120 | 2.4 | 2.6 | 85 |
| 349 | 2.3 | 1.5 | 66 |
| 347 | 2.2 | 1.6 | 68 |
| 300 | 2.1 | 1.4 | 96 |
| 147 | 2.0 | 2.6 | 90 |
| 326 | 1.9 | 1.2 | 66 |
| 119 | 1.8 | 1.6 | 78 |
| 353 | 1.8 | 1.6 | 73 |
| 182 | 1.8 | 1.7 | 80 |
| 24 | 1.7 | 1.3 | 139 |
| 276 | 1.6 | 2.5 | 98 |
| 374 | 1.6 | 1.6 | 79 |
| 180 | 1.6 | 1.4 | 80 |
| 303 | 1.6 | 2.1 | 98 |
| 371 | 1.5 | 2.1 | 156 |
| 86 | 1.4 | 1.1 | 60 |
| 71 | 1.4 | 1.1 | 82 |
| 437 | 1.3 | 1.6 | 141 |
| 274 | 1.3 | 1.4 | 100 |
| 63 | 1.3 | 1.3 | 82 |
| 412 | 1.3 | 3.0 | 145 |
| 70 | 1.3 | 1.3 | 93 |
| 68 | 1.3 | 1.3 | 82 |
| 346 | 1.3 | 1.3 | 66 |
| 391 | 1.2 | 2.8 | 95 |
| 234 | 1.2 | 1.1 | 66 |
| 277 | 1.2 | 0.9 | 60 |
| 345 | 1.2 | 1.6 | 66 |
| 413 | 1.1 | 1.6 | 87 |
| 162 | 1.1 | 1.9 | 57 |
| 438 | 1.1 | 1.6 | 90 |
| 118 | 1.0 | 1.9 | 77 |
| 237 | 0.9 | 1.7 | 61 |
| 295 | 0.9 | 1.3 | 72 |
| 355 | 0.8 | 1.8 | 74 |
| 78 | 0.7 | 1.5 | 67 |
| 431 | 0.7 | 1.2 | 90 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES SABLEFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 390 | 0.7 | 1.5 | 77 |
| 251 | 0.7 | 3.0 | 63 |
| 380 | 0.6 | 2.5 | 107 |
| 189 | 0.6 | 1.3 | 79 |
| 332 | 0.6 | 2.5 | 93 |
| 275 | 0.6 | 0.9 | 71 |
| 338 | 0.6 | 1.2 | 52 |
| 384 | 0.5 | 2.4 | 98 |
| 389 | 0.5 | 2.2 | 75 |
| 105 | 0.4 | 1.4 | 98 |
| 85 | 0.4 | 0.8 | 71 |
| 151 | 0.4 | 0.8 | 55 |
| 422 | 0.4 | 1.7 | 57 |
| 287 | 0.3 | 1.4 | 55 |
| 350 | 0.3 | 1.3 | 57 |
| 344 | 0.3 | 1.1 | 77 |
| 1 | 0.3 | 1.1 | 120 |
| 357 | 0.2 | 1.1 | 52 |
| 339 | 0.2 | 1.1 | 57 |
| 104 | 0.2 | 0.9 | 107 |
| 185 | 0.1 | 0.4 | 78 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC COD

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 196 | 1323.2 | 2.0 | 53 |
| 323 | 966.8 | 1.7 | 55 |
| 200 | 931.8 | 1.8 | 53 |
| 194 | 533.9 | 2.2 | 52 |
| 135 | 490.6 | 2.1 | 30 |
| 359 | 434.6 | 2.7 | 93 |
| 72 | 433.4 | 2.0 | 68 |
| 408 | 429.3 | 2.6 | 85 |
| 133 | 428.7 | 1.9 | 41 |
| 379 | 334.5 | 3.1 | 107 |
| 311 | 329.3 | 4.4 | 44 |
| 356 | 320.5 | 3.4 | 69 |
| 386 | 304.3 | 2.3 | 77 |
| 310 | 271.2 | 2.3 | 57 |
| 142 | 243.2 | 0.6 | 30 |
| 54 | 217.9 | 2.3 | 107 |
| 292 | 217.7 | 1.5 | 66 |
| 85 | 213.3 | 2.1 | 71 |
| 407 | 193.8 | 2.3 | 86 |
| 281 | 187.8 | 1.5 | 74 |
| 177 | 175.9 | 1.4 | 44 |
| 369 | 170.6 | 2.6 | 104 |
| 326 | 161.1 | 1.8 | 66 |
| 370 | 159.1 | 2.5 | 108 |
| 144 | 157.5 | 1.9 | 71 |
| 287 | 152.4 | 2.2 | 55 |
| 105 | 148.8 | 2.0 | 98 |
| 30 | 147.4 | 1.5 | 66 |
| 388 | 146.6 | 1.9 | 63 |
| 368 | 144.0 | 1.5 | 19 |
| 329 | 141.2 | 2.5 | 45 |
| 451 | 140.5 | 3.8 | 87 |
| 93 | 138.9 | 2.2 | 96 |
| 17 | 134.5 | 5.9 | 45 |
| 190 | 130.1 | 2.9 | 80 |
| 334 | 127.8 | 2.3 | 90 |
| 45 | 121.7 | 2.6 | 101 |
| 442 | 111.3 | 5.5 | 85 |
| 36 | 108.7 | 3.4 | 98 |
| 406 | 105.2 | 1.3 | 52 |
| 176 | 103.6 | 1.5 | 50 |
| 349 | 103.1 | 1.7 | 66 |
| 114 | 101.2 | 2.4 | 82 |
| 149 | 99.3 | 2.1 | 82 |
| 115 | 98.1 | 2.3 | 93 |
| 161 | 95.8 | 2.2 | 68 |
| 15 | 95.5 | 2.3 | 46 |
| 423 | 95.1 | 3.5 | 49 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC COD

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 362 | 94.8 | 2.4 | 96 |
| 174 | 93.7 | 1.7 | 98 |
| 199 | 90.8 | 1.9 | 55 |
| 438 | 90.8 | 4.2 | 90 |
| 383 | 90.4 | 2.0 | 71 |
| 430 | 87.5 | 4.5 | 85 |
| 5 | 84.5 | 3.8 | 93 |
| 289 | 84.4 | 2.1 | 66 |
| 3 | 78.1 | 1.9 | 68 |
| 372 | 78.0 | 2.6 | 108 |
| 158 | 77.9 | 2.1 | 60 |
| 367 | 77.2 | 2.2 | 45 |
| 433 | 76.9 | 1.8 | 53 |
| 151 | 76.9 | 1.2 | 55 |
| 385 | 75.0 | 2.2 | 103 |
| 137 | 75.0 | 1.8 | 55 |
| 197 | 74.5 | 1.3 | 51 |
| 155 | 73.7 | 3.0 | 104 |
| 47 | 73.1 | 2.7 | 104 |
| 364 | 72.0 | 2.2 | 106 |
| 380 | 71.6 | 2.6 | 107 |
| 31 | 70.5 | 1.2 | 36 |
| 427 | 70.1 | 1.6 | 57 |
| 195 | 69.2 | 1.4 | 53 |
| 18 | 68.1 | 3.0 | 81 |
| 250 | 67.6 | 3.3 | 79 |
| 443 | 65.9 | 3.5 | 77 |
| 373 | 65.8 | 2.4 | 93 |
| 120 | 64.9 | 2.8 | 85 |
| 336 | 64.3 | 2.6 | 90 |
| 374 | 64.2 | 1.8 | 79 |
| 138 | 63.9 | 1.7 | 66 |
| 436 | 63.5 | 4.4 | 84 |
| 2 | 62.8 | 2.2 | 79 |
| 95 | 61.2 | 2.2 | 101 |
| 434 | 58.7 | 2.4 | 41 |
| 448 | 58.5 | 2.1 | 47 |
| 207 | 58.2 | 2.9 | 52 |
| 413 | 57.6 | 2.2 | 87 |
| 39 | 57.2 | 2.8 | 104 |
| 83 | 56.3 | 2.2 | 82 |
| 118 | 54.9 | 2.3 | 77 |
| 339 | 54.1 | 1.5 | 57 |
| 143 | 52.7 | 1.1 | 34 |
| 343 | 52.6 | 2.0 | 87 |
| 338 | 51.2 | 1.8 | 52 |
| 51 | 49.5 | 2.7 | 104 |
| 136 | 48.6 | 0.6 | 27 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC COD

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 111 | 48.5 | 3.1 | 87 |
| 344 | 47.8 | 1.5 | 77 |
| 29 | 47.7 | 0.7 | 52 |
| 140 | 47.4 | 1.4 | 48 |
| 104 | 46.4 | 1.7 | 107 |
| 258 | 46.0 | 1.3 | 63 |
| 331 | 45.7 | 1.4 | 60 |
| 103 | 45.4 | 2.3 | 90 |
| 112 | 44.9 | 1.0 | 41 |
| 26 | 44.2 | 2.5 | 68 |
| 182 | 43.6 | 2.8 | 80 |
| 296 | 42.2 | 2.4 | 82 |
| 348 | 42.1 | 0.7 | 48 |
| 28 | 40.8 | 1.0 | 54 |
| 14 | 40.2 | 2.7 | 85 |
| 337 | 40.0 | 2.3 | 115 |
| 346 | 40.0 | 1.2 | 66 |
| 84 | 39.5 | 1.7 | 82 |
| 146 | 39.4 | 2.6 | 90 |
| 33 | 39.2 | 1.1 | 44 |
| 307 | 38.8 | 3.2 | 150 |
| 34 | 38.6 | 2.9 | 77 |
| 113 | 38.3 | 1.5 | 60 |
| 116 | 38.2 | 2.8 | 85 |
| 19 | 38.1 | 3.8 | 52 |
| 332 | 37.9 | 2.0 | 93 |
| 184 | 37.6 | 2.3 | 83 |
| 86 | 37.4 | 1.4 | 60 |
| 241 | 37.2 | 3.5 | 104 |
| 186 | 36.9 | 2.8 | 79 |
| 9 | 36.6 | 3.1 | 100 |
| 267 | 36.2 | 1.4 | 67 |
| 89 | 35.9 | 2.7 | 108 |
| 187 | 35.2 | 3.1 | 83 |
| 20 | 35.1 | 1.5 | 52 |
| 147 | 35.0 | 2.3 | 90 |
| 66 | 35.0 | 2.2 | 82 |
| 208 | 34.9 | 2.3 | 48 |
| 183 | 34.5 | 2.6 | 82 |
| 375 | 33.8 | 2.7 | 102 |
| 202 | 33.6 | 2.6 | 90 |
| 419 | 33.4 | 1.0 | 56 |
| 261 | 33.1 | 1.9 | 101 |
| 43 | 33.0 | 0.8 | 50 |
| 188 | 32.9 | 2.5 | 83 |
| 7 | 32.8 | 3.2 | 63 |
| 327 | 32.5 | 2.2 | 98 |
| 156 | 31.7 | 2.6 | 90 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC COD

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 191 | 31.4 | 2.8 | 82 |
| 122 | 31.2 | 2.1 | 104 |
| 209 | 31.1 | 2.5 | 55 |
| 285 | 30.2 | 2.6 | 98 |
| 342 | 29.9 | 2.0 | 66 |
| 251 | 29.3 | 1.5 | 63 |
| 12 | 29.2 | 5.7 | 86 |
| 157 | 29.0 | 1.3 | 55 |
| 335 | 29.0 | 1.9 | 63 |
| 145 | 28.5 | 2.3 | 96 |
| 165 | 28.4 | 1.6 | 115 |
| 294 | 27.3 | 1.4 | 87 |
| 272 | 27.3 | 1.4 | 67 |
| 341 | 26.7 | 2.4 | 79 |
| 431 | 26.5 | 3.3 | 90 |
| 126 | 25.7 | 1.2 | 53 |
| 121 | 24.8 | 2.4 | 90 |
| 193 | 24.0 | 1.5 | 54 |
| 355 | 23.7 | 2.4 | 74 |
| 441 | 23.6 | 1.1 | 51 |
| 255 | 23.4 | 1.5 | 67 |
| 198 | 23.3 | 1.3 | 55 |
| 81 | 23.3 | 2.6 | 71 |
| 16 | 23.1 | 1.7 | 44 |
| 282 | 22.9 | 1.8 | 101 |
| 119 | 22.9 | 2.3 | 78 |
| 21 | 22.2 | 2.7 | 104 |
| 262 | 22.1 | 1.8 | 118 |
| 259 | 22.0 | 1.5 | 104 |
| 204 | 21.8 | 1.3 | 45 |
| 11 | 21.7 | 4.8 | 98 |
| 59 | 21.7 | 2.1 | 98 |
| 277 | 21.6 | 1.4 | 60 |
| 131 | 21.6 | 1.4 | 98 |
| 212 | 21.4 | 2.9 | 56 |
| 1 | 21.3 | 1.5 | 120 |
| 178 | 21.1 | 1.2 | 44 |
| 44 | 20.7 | 2.0 | 77 |
| 422 | 20.7 | 2.1 | 57 |
| 452 | 20.4 | 2.3 | 137 |
| 309 | 20.2 | 2.7 | 115 |
| 68 | 20.2 | 2.3 | 82 |
| 257 | 20.1 | 1.6 | 67 |
| 168 | 19.7 | 1.5 | 97 |
| 352 | 19.7 | 1.1 | 66 |
| 32 | 19.6 | 0.9 | 33 |
| 180 | 19.5 | 2.8 | 80 |
| 403 | 19.3 | 2.0 | 57 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC COD

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 82 | 18.6 | 2.2 | 85 |
| 154 | 18.5 | 1.9 | 77 |
| 172 | 18.3 | 2.0 | 153 |
| 253 | 18.2 | 1.2 | 63 |
| 92 | 17.9 | 1.8 | 107 |
| 148 | 17.9 | 0.7 | 60 |
| 246 | 17.7 | 3.4 | 87 |
| 440 | 17.5 | 4.6 | 82 |
| 266 | 17.5 | 1.2 | 71 |
| 387 | 17.4 | 2.1 | 104 |
| 330 | 17.2 | 2.4 | 96 |
| 297 | 17.2 | 1.4 | 98 |
| 315 | 16.6 | 3.1 | 82 |
| 240 | 16.5 | 2.3 | 104 |
| 302 | 16.4 | 1.8 | 94 |
| 275 | 16.4 | 1.1 | 71 |
| 139 | 16.4 | 1.8 | 66 |
| 27 | 16.1 | 2.0 | 41 |
| 249 | 16.0 | 2.2 | 86 |
| 185 | 15.8 | 2.4 | 78 |
| 394 | 15.8 | 0.4 | 39 |
| 42 | 14.8 | 1.1 | 55 |
| 108 | 14.7 | 0.3 | 36 |
| 340 | 14.4 | 2.8 | 82 |
| 206 | 14.2 | 1.9 | 55 |
| 278 | 14.2 | 1.4 | 104 |
| 429 | 14.0 | 1.9 | 49 |
| 446 | 13.7 | 1.8 | 46 |
| 298 | 13.6 | 2.4 | 85 |
| 283 | 13.4 | 1.9 | 78 |
| 150 | 13.3 | 1.2 | 60 |
| 129 | 13.1 | 1.5 | 106 |
| 75 | 12.6 | 3.2 | 85 |
| 345 | 12.5 | 1.5 | 66 |
| 166 | 11.9 | 1.8 | 139 |
| 271 | 11.7 | 2.1 | 109 |
| 350 | 11.7 | 1.9 | 57 |
| 239 | 11.6 | 2.2 | 98 |
| 353 | 11.6 | 2.5 | 73 |
| 384 | 11.6 | 2.5 | 98 |
| 395 | 11.4 | 1.7 | 71 |
| 405 | 11.4 | 2.1 | 67 |
| 134 | 11.2 | 1.4 | 39 |
| 304 | 11.1 | 2.6 | 118 |
| 167 | 11.0 | 2.2 | 104 |
| 453 | 10.9 | 1.9 | 85 |
| 420 | 10.8 | 1.1 | 44 |
| 205 | 10.6 | 1.8 | 37 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC COD

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 61 | 10.6 | 2.3 | 109 |
| 60 | 10.2 | 0.7 | 49 |
| 71 | 10.1 | 1.7 | 82 |
| 389 | 10.1 | 2.1 | 75 |
| 444 | 10.1 | 0.6 | 41 |
| 418 | 10.0 | 0.1 | 26 |
| 6 | 10.0 | 3.3 | 63 |
| 230 | 9.6 | 2.6 | 103 |
| 390 | 9.5 | 2.7 | 77 |
| 351 | 9.5 | 2.5 | 85 |
| 67 | 9.3 | 0.9 | 44 |
| 211 | 9.0 | 2.8 | 56 |
| 163 | 9.0 | 1.6 | 82 |
| 220 | 9.0 | 1.8 | 131 |
| 48 | 8.6 | 2.7 | 134 |
| 192 | 8.6 | 0.9 | 53 |
| 189 | 8.5 | 2.6 | 79 |
| 78 | 8.4 | 1.4 | 67 |
| 306 | 8.4 | 2.7 | 142 |
| 252 | 8.3 | 1.5 | 101 |
| 210 | 8.1 | 3.1 | 56 |
| 270 | 8.1 | 2.1 | 104 |
| 79 | 8.1 | 2.9 | 69 |
| 231 | 8.0 | 2.2 | 118 |
| 175 | 8.0 | 1.7 | 104 |
| 299 | 8.0 | 2.1 | 90 |
| 263 | 7.8 | 1.6 | 98 |
| 76 | 7.8 | 2.5 | 82 |
| 181 | 7.8 | 2.5 | 78 |
| 347 | 7.7 | 1.2 | 68 |
| 35 | 7.7 | 2.5 | 79 |
| 290 | 7.6 | 2.6 | 82 |
| 219 | 7.6 | 2.1 | 141 |
| 217 | 7.5 | 1.9 | 120 |
| 264 | 7.4 | 1.8 | 93 |
| 293 | 7.2 | 1.0 | 71 |
| 354 | 7.1 | 1.8 | 72 |
| 328 | 7.0 | 2.1 | 134 |
| 173 | 7.0 | 1.4 | 98 |
| 203 | 6.8 | 1.5 | 107 |
| 52 | 6.4 | 2.6 | 87 |
| 404 | 6.1 | 1.6 | 55 |
| 216 | 6.0 | 1.9 | 124 |
| 213 | 5.9 | 2.0 | 128 |
| 333 | 5.9 | 1.3 | 38 |
| 57 | 5.8 | 1.9 | 104 |
| 215 | 5.6 | 1.7 | 139 |
| 274 | 5.5 | 2.0 | 100 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC COD

| HAUL | CATCH KG/1 0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 308 | 5 4 | 3 3 | 148 |
| 435 | 5 4 | 2 4 | 41 |
| 65 | 5 1 | 2 2 | 112 |
| 280 | 5 1 | 1 1 | 74 |
| 254 | 4 8 | 2 0 | 68 |
| 393 | 4 7 | 2 8 | 89 |
| 265 | 4 7 | 2 1 | 126 |
| 162 | 4 5 | 2 2 | 57 |
| 424 | 4 5 | 2 3 | 40 |
| 233 | 4 5 | 2 3 | 107 |
| 69 | 4 5 | 2 5 | 85 |
| 291 | 4 4 | 1 0 | 82 |
| 301 | 4 3 | 4 9 | 97 |
| 227 | 4 3 | 2 0 | 164 |
| 102 | 4 2 | 1 4 | 82 |
| 228 | 4 0 | 1 8 | 191 |
| 218 | 3 8 | 1 8 | 156 |
| 305 | 3 8 | 2 1 | 110 |
| 428 | 3 8 | 1 7 | 44 |
| 124 | 3 7 | 2 6 | 93 |
| 329 | 3 7 | 2 2 | 113 |
| 62 | 3 6 | 2 3 | 96 |
| 421 | 3 6 | 3 3 | 37 |
| 358 | 3 5 | 2 1 | 120 |
| 425 | 3 4 | 2 4 | 42 |
| 357 | 3 4 | 1 5 | 52 |
| 229 | 3 3 | 2 0 | 145 |
| 279 | 2 7 | 1 3 | 93 |
| 73 | 2 6 | 2 6 | 52 |
| 237 | 2 5 | 1 6 | 61 |
| 224 | 2 5 | 2 1 | 175 |
| 10 | 2 4 | 2 7 | 153 |
| 417 | 2 3 | 0 5 | 33 |
| 402 | 2 2 | 0 3 | 40 |
| 268 | 2 2 | 1 1 | 51 |
| 238 | 2 1 | 2 4 | 71 |
| 300 | 2 1 | 1 9 | 96 |
| 201 | 2 1 | 0 4 | 28 |
| 303 | 2 0 | 1 7 | 98 |
| 324 | 2 0 | 2 0 | 123 |
| 214 | 2 0 | 2 4 | 145 |
| 269 | 1 9 | 0 8 | 53 |
| 80 | 1 8 | 1 7 | 87 |
| 256 | 1 8 | 1 5 | 85 |
| 223 | 1 7 | 1 9 | 164 |
| 160 | 1 6 | 1 5 | 66 |
| 234 | 1 6 | 2 0 | 66 |
| 236 | 1 5 | 2 1 | 107 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC COD

| HAUL | CATCH KG/1 0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 295 | 1 5 | 0 6 | 72 |
| 63 | 1 5 | 0 2 | 82 |
| 366 | 1 4 | 4 6 | 22 |
| 447 | 1 4 | 1 1 | 49 |
| 37 | 1 4 | 1 9 | 43 |
| 437 | 1 3 | 2 2 | 141 |
| 276 | 1 3 | 2 0 | 98 |
| 49 | 1 2 | 0 9 | 43 |
| 392 | 1 2 | 5 2 | 75 |
| 38 | 1 1 | 1 9 | 37 |
| 94 | 1 0 | 2 2 | 139 |
| 288 | 1 0 | 2 1 | 101 |
| 284 | 0 9 | 0 9 | 48 |
| 426 | 0 9 | 2 0 | 44 |
| 409 | 0 8 | 1 2 | 45 |
| 248 | 0 8 | 0 7 | 159 |
| 396 | 0 8 | 0 7 | 34 |
| 87 | 0 7 | 1 3 | 49 |
| 432 | 0 7 | 3 4 | 55 |
| 454 | 0 7 | 1 7 | 38 |
| 64 | 0 7 | 2 6 | 110 |
| 106 | 0 7 | 2 7 | 156 |
| 117 | 0 7 | 0 2 | 68 |
| 322 | 0 6 | 2 5 | 34 |
| 130 | 0 6 | 1 5 | 191 |
| 77 | 0 6 | 2 2 | 60 |
| 245 | 0 6 | 2 4 | 189 |
| 318 | 0 6 | 2 0 | 21 |
| 399 | 0 5 | 0 9 | 87 |
| 141 | 0 5 | 1 1 | 37 |
| 401 | 0 5 | 0 3 | 46 |
| 232 | 0 5 | 1 9 | 82 |
| 169 | 0 4 | 1 8 | 191 |
| 235 | 0 4 | 1 6 | 59 |
| 107 | 0 3 | 0 1 | 46 |
| 320 | 0 3 | 0 1 | 19 |
| 376 | 0 2 | 0 1 | 48 |
| 398 | 0 2 | 0 7 | 85 |
| 445 | 0 1 | 0 5 | 36 |
| 312 | 0 1 | 0 1 | 20 |
| 410 | 0 1 | 0 4 | 41 |
| 286 | 0 1 | 0 3 | 41 |
| 123 | 0 0 | 0 1 | 38 |
| 153 | 0 0 | 0 1 | 26 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES WALLEYE POLLOCK

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 211 | 4576.7 | 0.8 | 56 |
| 209 | 3784.9 | 0.5 | 55 |
| 443 | 2453.3 | 1.0 | 77 |
| 174 | 2083.0 | 1.0 | 98 |
| 212 | 1730.5 | 0.7 | 56 |
| 210 | 1473.7 | 1.0 | 56 |
| 452 | 1125.3 | 1.0 | 137 |
| 158 | 1099.9 | 1.0 | 60 |
| 144 | 913.5 | 0.9 | 71 |
| 120 | 901.1 | 1.5 | 85 |
| 332 | 697.0 | 1.1 | 93 |
| 334 | 609.1 | 1.1 | 90 |
| 207 | 605.3 | 0.7 | 52 |
| 149 | 525.7 | 0.9 | 82 |
| 206 | 496.8 | 1.0 | 55 |
| 118 | 489.4 | 1.4 | 77 |
| 7 | 469.3 | 0.9 | 63 |
| 345 | 428.1 | 1.0 | 66 |
| 33 | 344.2 | 0.9 | 44 |
| 404 | 327.1 | 1.0 | 55 |
| 138 | 319.6 | 0.9 | 66 |
| 119 | 318.8 | 1.3 | 78 |
| 341 | 310.1 | 1.0 | 79 |
| 340 | 279.2 | 1.1 | 82 |
| 344 | 258.5 | 0.8 | 77 |
| 403 | 230.0 | 0.9 | 57 |
| 156 | 226.7 | 1.2 | 90 |
| 137 | 186.8 | 0.8 | 55 |
| 186 | 185.4 | 1.1 | 79 |
| 350 | 174.0 | 1.2 | 57 |
| 189 | 169.8 | 1.1 | 79 |
| 355 | 156.1 | 1.2 | 74 |
| 250 | 150.3 | 1.0 | 79 |
| 19 | 148.5 | 0.9 | 52 |
| 187 | 147.1 | 1.3 | 83 |
| 184 | 145.5 | 1.4 | 83 |
| 182 | 140.5 | 1.3 | 80 |
| 296 | 135.1 | 1.0 | 82 |
| 181 | 133.6 | 1.1 | 78 |
| 255 | 131.6 | 0.9 | 67 |
| 406 | 129.2 | 1.1 | 52 |
| 180 | 121.1 | 1.2 | 80 |
| 5 | 117.7 | 1.1 | 93 |
| 129 | 116.5 | 1.0 | 106 |
| 9 | 111.3 | 1.0 | 100 |
| 117 | 107.0 | 1.2 | 68 |
| 370 | 104.7 | 1.1 | 108 |
| 173 | 100.6 | 1.0 | 98 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES WALLEYE POLLOCK

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 395 | 100.5 | 1.0 | 71 |
| 146 | 99.6 | 1.1 | 90 |
| 185 | 99.2 | 1.2 | 78 |
| 343 | 95.6 | 1.1 | 87 |
| 145 | 94.3 | 1.2 | 96 |
| 24 | 93.6 | 1.1 | 139 |
| 183 | 93.5 | 1.3 | 82 |
| 359 | 92.7 | 1.4 | 93 |
| 32 | 92.2 | 1.1 | 33 |
| 351 | 90.0 | 0.7 | 85 |
| 287 | 87.1 | 1.0 | 55 |
| 217 | 81.7 | 1.2 | 120 |
| 191 | 79.5 | 1.3 | 82 |
| 342 | 78.7 | 0.9 | 66 |
| 216 | 75.6 | 1.2 | 124 |
| 94 | 68.6 | 0.9 | 139 |
| 175 | 58.5 | 1.1 | 104 |
| 190 | 57.4 | 1.3 | 80 |
| 307 | 55.9 | 0.8 | 150 |
| 202 | 55.1 | 1.3 | 90 |
| 188 | 53.3 | 1.4 | 83 |
| 327 | 48.2 | 1.4 | 98 |
| 115 | 46.0 | 1.1 | 93 |
| 20 | 45.7 | 0.9 | 52 |
| 329 | 41.9 | 1.0 | 113 |
| 198 | 41.3 | 1.1 | 55 |
| 12 | 39.0 | 0.9 | 86 |
| 84 | 39.0 | 1.1 | 82 |
| 83 | 37.0 | 1.2 | 82 |
| 254 | 36.9 | 1.0 | 68 |
| 304 | 33.6 | 1.1 | 118 |
| 278 | 33.5 | 1.0 | 104 |
| 147 | 33.4 | 0.3 | 90 |
| 166 | 33.1 | 1.1 | 139 |
| 309 | 32.6 | 0.7 | 115 |
| 223 | 32.2 | 1.2 | 164 |
| 305 | 32.1 | 1.0 | 110 |
| 220 | 30.5 | 1.1 | 131 |
| 258 | 30.5 | 1.2 | 63 |
| 213 | 30.1 | 1.0 | 128 |
| 249 | 27.9 | 1.2 | 86 |
| 34 | 27.6 | 0.8 | 77 |
| 227 | 27.3 | 1.2 | 164 |
| 92 | 25.7 | 0.9 | 107 |
| 68 | 25.3 | 1.0 | 82 |
| 116 | 25.3 | 1.3 | 85 |
| 289 | 25.2 | 1.1 | 66 |
| 18 | 22.0 | 1.1 | 81 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES WALLEYE POLLOCK

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 31 | 21.1 | 1.0 | 36 |
| 264 | 20.8 | 1.0 | 93 |
| 167 | 20.6 | 1.2 | 104 |
| 328 | 20.3 | 0.6 | 134 |
| 233 | 20.2 | 0.3 | 107 |
| 308 | 18.8 | 0.6 | 148 |
| 353 | 18.0 | 1.1 | 73 |
| 1 | 17.2 | 1.0 | 120 |
| 154 | 17.1 | 1.0 | 77 |
| 219 | 16.5 | 1.1 | 141 |
| 276 | 16.5 | 0.7 | 98 |
| 82 | 16.2 | 0.6 | 85 |
| 80 | 15.4 | 1.1 | 87 |
| 367 | 14.6 | 1.3 | 45 |
| 122 | 14.1 | 1.3 | 104 |
| 225 | 13.5 | 1.1 | 175 |
| 285 | 13.4 | 1.1 | 98 |
| 283 | 12.5 | 1.0 | 78 |
| 271 | 12.1 | 1.1 | 109 |
| 113 | 11.9 | 1.0 | 60 |
| 114 | 11.9 | 1.5 | 82 |
| 256 | 11.8 | 1.0 | 85 |
| 231 | 11.7 | 0.7 | 118 |
| 300 | 11.5 | 1.0 | 96 |
| 392 | 11.3 | 1.1 | 75 |
| 442 | 11.2 | 0.3 | 85 |
| 261 | 11.2 | 0.9 | 101 |
| 279 | 10.7 | 0.8 | 93 |
| 288 | 10.6 | 0.9 | 101 |
| 44 | 10.2 | 0.7 | 77 |
| 132 | 10.2 | 0.8 | 159 |
| 306 | 10.1 | 0.8 | 142 |
| 14 | 9.9 | 1.4 | 85 |
| 265 | 9.3 | 0.8 | 126 |
| 390 | 8.6 | 1.2 | 77 |
| 301 | 8.2 | 1.1 | 97 |
| 215 | 8.2 | 1.3 | 139 |
| 302 | 8.1 | 0.9 | 94 |
| 393 | 7.9 | 1.0 | 89 |
| 330 | 7.9 | 1.0 | 96 |
| 354 | 7.8 | 1.2 | 72 |
| 273 | 7.7 | 1.0 | 85 |
| 224 | 7.7 | 1.2 | 175 |
| 291 | 7.2 | 0.8 | 82 |
| 81 | 7.0 | 1.0 | 71 |
| 419 | 7.0 | 1.2 | 56 |
| 347 | 6.9 | 0.7 | 68 |
| 230 | 6.7 | 0.6 | 103 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES WALLEYE POLLOCK

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 437 | 6.7 | 1.1 | 141 |
| 293 | 6.6 | 1.0 | 71 |
| 391 | 6.1 | 1.1 | 95 |
| 66 | 6.1 | 1.4 | 82 |
| 234 | 5.5 | 0.9 | 66 |
| 2 | 5.2 | 0.1 | 79 |
| 310 | 5.2 | 1.3 | 57 |
| 260 | 5.2 | 0.7 | 116 |
| 387 | 5.1 | 1.2 | 104 |
| 263 | 5.0 | 1.0 | 98 |
| 63 | 4.9 | 1.1 | 82 |
| 294 | 4.7 | 1.0 | 87 |
| 11 | 4.7 | 1.0 | 98 |
| 17 | 4.6 | 0.9 | 45 |
| 172 | 4.4 | 1.0 | 153 |
| 336 | 4.3 | 0.4 | 90 |
| 292 | 4.0 | 0.6 | 66 |
| 10 | 3.9 | 1.0 | 153 |
| 111 | 3.8 | 1.3 | 87 |
| 299 | 3.8 | 0.9 | 90 |
| 218 | 3.6 | 1.2 | 156 |
| 196 | 3.5 | 1.1 | 53 |
| 297 | 3.5 | 0.9 | 98 |
| 155 | 3.2 | 0.9 | 104 |
| 298 | 3.0 | 0.7 | 85 |
| 235 | 3.0 | 0.7 | 59 |
| 200 | 2.9 | 1.1 | 53 |
| 214 | 2.8 | 1.0 | 145 |
| 303 | 2.7 | 0.8 | 98 |
| 30 | 2.6 | 0.9 | 66 |
| 412 | 2.6 | 1.4 | 145 |
| 195 | 2.6 | 0.9 | 53 |
| 199 | 2.5 | 0.8 | 55 |
| 106 | 2.4 | 1.1 | 156 |
| 48 | 2.4 | 1.4 | 134 |
| 238 | 2.3 | 0.7 | 71 |
| 53 | 2.3 | 0.9 | 159 |
| 252 | 2.2 | 1.4 | 101 |
| 282 | 2.1 | 1.4 | 101 |
| 270 | 1.9 | 1.2 | 104 |
| 61 | 1.9 | 1.2 | 109 |
| 337 | 1.9 | 0.7 | 115 |
| 246 | 1.8 | 1.4 | 87 |
| 194 | 1.8 | 1.3 | 52 |
| 236 | 1.8 | 0.6 | 107 |
| 79 | 1.7 | 1.0 | 69 |
| 335 | 1.7 | 0.7 | 63 |
| 333 | 1.7 | 1.0 | 38 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES WALLEYE POLLOCK

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 385 | 1.6 | 0.7 | 103 |
| 346 | 1.5 | 1.1 | 66 |
| 240 | 1.5 | 0.9 | 104 |
| 222 | 1.5 | 1.1 | 180 |
| 15 | 1.4 | 1.0 | 46 |
| 65 | 1.4 | 1.5 | 112 |
| 259 | 1.3 | 1.1 | 104 |
| 168 | 1.1 | 1.1 | 97 |
| 239 | 1.1 | 0.7 | 98 |
| 121 | 1.1 | 1.5 | 90 |
| 163 | 1.1 | 0.9 | 82 |
| 85 | 1.1 | 1.0 | 71 |
| 203 | 1.0 | 0.8 | 107 |
| 358 | 1.0 | 1.2 | 120 |
| 290 | 1.0 | 0.7 | 82 |
| 59 | 1.0 | 0.9 | 98 |
| 295 | 1.0 | 1.1 | 72 |
| 64 | 0.8 | 1.5 | 110 |
| 124 | 0.8 | 1.7 | 93 |
| 248 | 0.8 | 0.7 | 159 |
| 405 | 0.8 | 0.9 | 67 |
| 384 | 0.8 | 0.7 | 98 |
| 35 | 0.8 | 1.1 | 79 |
| 232 | 0.7 | 1.5 | 82 |
| 389 | 0.7 | 1.1 | 75 |
| 99 | 0.7 | 1.0 | 191 |
| 414 | 0.7 | 1.0 | 208 |
| 76 | 0.7 | 0.5 | 82 |
| 324 | 0.7 | 0.6 | 123 |
| 394 | 0.6 | 0.8 | 39 |
| 179 | 0.6 | 2.7 | 163 |
| 422 | 0.6 | 0.7 | 57 |
| 237 | 0.6 | 0.3 | 61 |
| 3 | 0.6 | 0.2 | 68 |
| 448 | 0.6 | 0.8 | 47 |
| 274 | 0.6 | 0.8 | 100 |
| 241 | 0.6 | 1.1 | 104 |
| 275 | 0.6 | 0.8 | 71 |
| 251 | 0.5 | 1.1 | 63 |
| 130 | 0.5 | 1.1 | 191 |
| 226 | 0.5 | 1.4 | 175 |
| 89 | 0.4 | 0.4 | 108 |
| 192 | 0.4 | 0.4 | 53 |
| 75 | 0.4 | 0.8 | 85 |
| 229 | 0.4 | 0.6 | 145 |
| 361 | 0.3 | 1.3 | 180 |
| 171 | 0.3 | 0.7 | 328 |
| 356 | 0.3 | 1.4 | 69 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES WALLEYE POLLOCK

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 434 | 0.3 | 1.4 | 41 |
| 42 | 0.3 | 0.6 | 55 |
| 95 | 0.3 | 0.6 | 101 |
| 388 | 0.3 | 1.3 | 63 |
| 103 | 0.3 | 1.1 | 90 |
| 71 | 0.3 | 1.1 | 82 |
| 51 | 0.3 | 1.1 | 104 |
| 453 | 0.3 | 0.6 | 85 |
| 420 | 0.3 | 0.6 | 44 |
| 431 | 0.3 | 1.3 | 90 |
| 280 | 0.3 | 1.1 | 74 |
| 69 | 0.2 | 1.0 | 85 |
| 8 | 0.2 | 1.0 | 219 |
| 29 | 0.2 | 0.5 | 52 |
| 50 | 0.2 | 0.9 | 200 |
| 433 | 0.2 | 1.1 | 53 |
| 21 | 0.2 | 0.9 | 104 |
| 427 | 0.2 | 1.0 | 57 |
| 6 | 0.2 | 0.9 | 63 |
| 277 | 0.2 | 0.9 | 60 |
| 352 | 0.2 | 0.9 | 66 |
| 110 | 0.2 | 0.8 | 200 |
| 315 | 0.2 | 0.3 | 82 |
| 349 | 0.2 | 0.7 | 66 |
| 67 | 0.1 | 0.3 | 44 |
| 311 | 0.1 | 0.6 | 44 |
| 272 | 0.1 | 0.3 | 67 |
| 281 | 0.1 | 0.5 | 74 |
| 418 | 0.1 | 0.1 | 26 |
| 78 | 0.1 | 0.1 | 67 |
| 446 | 0.1 | 0.1 | 46 |
| 386 | 0.1 | 0.4 | 77 |
| 362 | 0.1 | 0.2 | 96 |
| 43 | 0.0 | 0.2 | 50 |
| 77 | 0.0 | 0.2 | 60 |
| 373 | 0.0 | 0.2 | 93 |
| 407 | 0.0 | 0.2 | 86 |
| 441 | 0.0 | 0.1 | 51 |
| 382 | 0.0 | 0.1 | 54 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES SHORTSPINE THORNYHEAD

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 50 | 220.2 | 0.6 | 200 |
| 53 | 123.4 | 0.5 | 159 |
| 56 | 94.5 | 0.6 | 205 |
| 99 | 79.3 | 0.4 | 191 |
| 371 | 78.8 | 0.5 | 156 |
| 412 | 70.5 | 0.4 | 145 |
| 55 | 67.5 | 0.8 | 301 |
| 24 | 66.0 | 0.2 | 139 |
| 90 | 64.7 | 0.6 | 301 |
| 46 | 64.2 | 0.4 | 284 |
| 98 | 56.6 | 0.4 | 410 |
| 106 | 54.6 | 0.3 | 156 |
| 164 | 49.8 | 0.5 | 197 |
| 361 | 41.2 | 0.3 | 180 |
| 110 | 39.7 | 0.5 | 200 |
| 48 | 36.3 | 0.6 | 134 |
| 23 | 35.4 | 0.2 | 246 |
| 414 | 35.3 | 0.4 | 208 |
| 363 | 34.0 | 0.4 | 189 |
| 101 | 33.3 | 0.4 | 276 |
| 215 | 27.8 | 0.3 | 139 |
| 109 | 27.3 | 0.3 | 279 |
| 8 | 26.0 | 0.4 | 219 |
| 94 | 25.7 | 0.3 | 139 |
| 13 | 25.0 | 0.3 | 301 |
| 169 | 25.0 | 0.3 | 191 |
| 247 | 24.9 | 0.4 | 355 |
| 10 | 24.6 | 0.3 | 153 |
| 214 | 23.4 | 0.3 | 145 |
| 179 | 23.2 | 0.3 | 163 |
| 227 | 22.9 | 0.4 | 164 |
| 97 | 21.4 | 0.4 | 394 |
| 96 | 21.2 | 0.4 | 284 |
| 130 | 21.2 | 0.3 | 191 |
| 172 | 20.1 | 0.3 | 153 |
| 223 | 18.2 | 0.4 | 164 |
| 224 | 17.9 | 0.3 | 175 |
| 218 | 17.7 | 0.4 | 156 |
| 213 | 17.7 | 0.3 | 128 |
| 228 | 16.7 | 0.3 | 191 |
| 248 | 16.4 | 0.3 | 159 |
| 166 | 15.9 | 0.5 | 139 |
| 216 | 15.1 | 0.3 | 124 |
| 219 | 14.9 | 0.3 | 141 |
| 222 | 14.5 | 0.3 | 180 |
| 132 | 13.9 | 0.2 | 159 |
| 265 | 13.5 | 0.4 | 126 |
| 221 | 13.5 | 0.4 | 186 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES SHORTSPINE THORNYHEAD

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 381 | 12.9 | 0.3 | 219 |
| 171 | 12.8 | 0.3 | 328 |
| 229 | 12.5 | 0.5 | 145 |
| 242 | 12.4 | 0.5 | 191 |
| 100 | 12.0 | 0.5 | 388 |
| 220 | 11.5 | 0.3 | 131 |
| 226 | 11.1 | 0.3 | 175 |
| 225 | 10.3 | 0.3 | 175 |
| 245 | 9.9 | 0.3 | 189 |
| 439 | 9.3 | 0.3 | 219 |
| 159 | 9.1 | 0.3 | 273 |
| 14 | 8.7 | 0.8 | 85 |
| 170 | 8.6 | 0.3 | 284 |
| 22 | 8.5 | 0.4 | 410 |
| 437 | 7.8 | 0.3 | 141 |
| 40 | 7.1 | 0.3 | 388 |
| 4 | 6.7 | 0.3 | 301 |
| 128 | 6.4 | 0.3 | 366 |
| 91 | 5.9 | 0.5 | 391 |
| 241 | 5.5 | 0.3 | 104 |
| 203 | 5.5 | 0.2 | 107 |
| 260 | 5.2 | 0.4 | 116 |
| 244 | 5.0 | 0.3 | 282 |
| 243 | 4.8 | 0.4 | 394 |
| 261 | 4.7 | 0.4 | 101 |
| 217 | 3.9 | 0.4 | 120 |
| 252 | 2.5 | 0.4 | 101 |
| 122 | 2.2 | 0.5 | 104 |
| 5 | 2.0 | 2.7 | 93 |
| 240 | 1.6 | 0.4 | 104 |
| 95 | 1.5 | 1.0 | 101 |
| 364 | 1.5 | 0.4 | 106 |
| 262 | 1.4 | 0.2 | 118 |
| 413 | 1.2 | 0.4 | 87 |
| 57 | 1.1 | 0.3 | 104 |
| 266 | 1.0 | 0.5 | 71 |
| 440 | 1.0 | 0.5 | 82 |
| 11 | 1.0 | 0.4 | 98 |
| 36 | 0.7 | 0.3 | 98 |
| 452 | 0.7 | 1.1 | 137 |
| 54 | 0.7 | 0.4 | 107 |
| 443 | 0.4 | 0.8 | 77 |
| 21 | 0.4 | 0.6 | 104 |
| 173 | 0.4 | 0.4 | 98 |
| 239 | 0.4 | 0.3 | 98 |
| 111 | 0.3 | 0.5 | 87 |
| 263 | 0.3 | 0.3 | 98 |
| 167 | 0.2 | 0.7 | 104 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES SHORTSPINE THORNYHEAD

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 373 | 0.2 | 0.7 | 93 |
| 259 | 0.1 | 0.4 | 104 |
| 237 | 0.0 | 0.1 | 61 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ROUGHEYE ROCKFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 130 | 198.7 | 1.6 | 191 |
| 245 | 153.4 | 1.4 | 189 |
| 164 | 119.1 | 1.4 | 197 |
| 99 | 93.7 | 1.5 | 191 |
| 361 | 64.7 | 1.5 | 180 |
| 121 | 61.1 | 1.3 | 90 |
| 228 | 61.0 | 1.2 | 191 |
| 247 | 59.3 | 1.5 | 355 |
| 248 | 52.2 | 0.9 | 159 |
| 64 | 50.8 | 1.3 | 110 |
| 50 | 50.1 | 1.5 | 200 |
| 53 | 41.0 | 1.3 | 159 |
| 132 | 39.8 | 1.7 | 159 |
| 414 | 38.9 | 1.6 | 208 |
| 169 | 31.9 | 1.5 | 191 |
| 371 | 30.9 | 1.1 | 156 |
| 226 | 30.4 | 1.8 | 175 |
| 224 | 29.5 | 1.7 | 175 |
| 124 | 25.4 | 0.6 | 93 |
| 223 | 25.0 | 1.9 | 164 |
| 340 | 24.8 | 0.9 | 82 |
| 225 | 21.3 | 1.8 | 175 |
| 242 | 20.9 | 1.1 | 191 |
| 8 | 20.3 | 1.6 | 219 |
| 221 | 16.2 | 1.6 | 186 |
| 222 | 13.5 | 1.6 | 180 |
| 307 | 11.5 | 1.1 | 150 |
| 363 | 11.2 | 1.6 | 189 |
| 381 | 11.1 | 1.0 | 219 |
| 227 | 10.3 | 1.6 | 164 |
| 391 | 10.2 | 0.4 | 95 |
| 240 | 9.7 | 1.0 | 104 |
| 390 | 9.3 | 0.5 | 77 |
| 271 | 9.0 | 0.7 | 109 |
| 74 | 8.7 | 0.6 | 77 |
| 35 | 8.5 | 0.8 | 79 |
| 82 | 8.5 | 0.8 | 85 |
| 341 | 7.9 | 0.8 | 79 |
| 218 | 7.3 | 1.3 | 156 |
| 246 | 7.1 | 1.8 | 87 |
| 443 | 6.7 | 1.2 | 77 |
| 264 | 6.2 | 0.6 | 93 |
| 332 | 6.2 | 1.3 | 93 |
| 146 | 6.1 | 0.8 | 90 |
| 145 | 6.0 | 0.9 | 96 |
| 353 | 6.0 | 0.7 | 73 |
| 179 | 6.0 | 1.7 | 163 |
| 75 | 6.0 | 0.6 | 85 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ROUGHEYE ROCKFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 106 | 4.8 | 1.4 | 156 |
| 354 | 4.8 | 0.8 | 72 |
| 387 | 4.7 | 1.1 | 104 |
| 89 | 4.2 | 0.9 | 108 |
| 76 | 4.2 | 1.6 | 82 |
| 305 | 4.1 | 0.9 | 110 |
| 147 | 4.1 | 1.2 | 90 |
| 83 | 3.6 | 0.9 | 82 |
| 364 | 3.6 | 1.6 | 106 |
| 327 | 3.6 | 0.9 | 98 |
| 262 | 3.5 | 0.6 | 118 |
| 238 | 3.4 | 0.4 | 71 |
| 116 | 3.2 | 0.8 | 85 |
| 56 | 3.2 | 1.4 | 205 |
| 412 | 3.1 | 0.8 | 145 |
| 308 | 3.1 | 1.2 | 148 |
| 452 | 3.1 | 1.1 | 137 |
| 270 | 3.1 | 0.9 | 104 |
| 241 | 3.0 | 0.9 | 104 |
| 372 | 2.8 | 1.3 | 108 |
| 334 | 2.6 | 1.6 | 90 |
| 24 | 2.6 | 1.2 | 139 |
| 160 | 2.6 | 1.1 | 66 |
| 1 | 2.6 | 0.7 | 120 |
| 219 | 2.6 | 1.4 | 141 |
| 392 | 2.6 | 0.7 | 75 |
| 336 | 2.4 | 0.5 | 90 |
| 54 | 2.3 | 1.1 | 107 |
| 5 | 2.3 | 0.3 | 93 |
| 328 | 2.3 | 0.7 | 134 |
| 373 | 2.1 | 0.9 | 93 |
| 243 | 2.0 | 1.6 | 394 |
| 298 | 1.9 | 1.4 | 85 |
| 229 | 1.8 | 0.8 | 145 |
| 203 | 1.8 | 0.4 | 107 |
| 23 | 1.8 | 1.6 | 246 |
| 48 | 1.8 | 0.5 | 134 |
| 94 | 1.7 | 1.5 | 139 |
| 306 | 1.7 | 1.7 | 142 |
| 120 | 1.7 | 0.8 | 85 |
| 393 | 1.6 | 0.9 | 89 |
| 272 | 1.6 | 0.9 | 67 |
| 10 | 1.5 | 0.9 | 153 |
| 451 | 1.5 | 0.8 | 87 |
| 80 | 1.5 | 1.0 | 87 |
| 77 | 1.4 | 2.8 | 60 |
| 303 | 1.3 | 0.4 | 98 |
| 122 | 1.3 | 1.2 | 104 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ROUGHEYE ROCKFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 395 | 1.3 | 0.5 | 71 |
| 172 | 1.2 | 1.3 | 153 |
| 330 | 1.2 | 0.5 | 96 |
| 342 | 1.2 | 0.7 | 66 |
| 187 | 1.2 | 1.2 | 83 |
| 263 | 1.2 | 0.6 | 98 |
| 389 | 1.1 | 0.9 | 75 |
| 337 | 1.1 | 1.1 | 115 |
| 184 | 1.0 | 1.0 | 83 |
| 437 | 1.0 | 1.2 | 141 |
| 309 | 1.0 | 1.1 | 115 |
| 304 | 0.9 | 0.6 | 118 |
| 329 | 0.9 | 0.6 | 113 |
| 70 | 0.9 | 0.5 | 93 |
| 300 | 0.9 | 1.0 | 96 |
| 438 | 0.9 | 1.3 | 90 |
| 274 | 0.9 | 0.8 | 100 |
| 310 | 0.9 | 1.3 | 57 |
| 102 | 0.8 | 0.4 | 82 |
| 301 | 0.8 | 1.9 | 97 |
| 404 | 0.8 | 0.6 | 55 |
| 36 | 0.8 | 1.1 | 98 |
| 220 | 0.8 | 1.3 | 131 |
| 239 | 0.8 | 0.6 | 98 |
| 265 | 0.8 | 0.8 | 126 |
| 296 | 0.8 | 0.8 | 82 |
| 385 | 0.8 | 0.9 | 103 |
| 285 | 0.8 | 1.1 | 98 |
| 159 | 0.8 | 1.6 | 273 |
| 358 | 0.8 | 0.7 | 120 |
| 165 | 0.7 | 0.8 | 115 |
| 234 | 0.7 | 0.2 | 66 |
| 81 | 0.6 | 0.6 | 71 |
| 44 | 0.6 | 0.5 | 77 |
| 115 | 0.6 | 1.2 | 93 |
| 266 | 0.6 | 0.4 | 71 |
| 110 | 0.6 | 1.2 | 200 |
| 355 | 0.5 | 1.2 | 74 |
| 84 | 0.5 | 0.7 | 82 |
| 213 | 0.5 | 1.2 | 128 |
| 65 | 0.5 | 1.0 | 112 |
| 351 | 0.5 | 0.5 | 85 |
| 256 | 0.5 | 0.6 | 85 |
| 215 | 0.4 | 1.1 | 139 |
| 384 | 0.4 | 0.5 | 98 |
| 119 | 0.4 | 0.5 | 78 |
| 236 | 0.4 | 0.9 | 107 |
| 212 | 0.4 | 0.7 | 56 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC OCEAN PERCH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 438 | 2330.7 | 0.5 | 90 |
| 443 | 1342.2 | 0.6 | 77 |
| 5 | 958.5 | 0.4 | 93 |
| 174 | 763.2 | 0.6 | 98 |
| 89 | 319.0 | 0.8 | 108 |
| 259 | 248.7 | 0.8 | 104 |
| 380 | 239.2 | 0.5 | 107 |
| 94 | 197.1 | 0.6 | 139 |
| 252 | 194.2 | 0.8 | 101 |
| 452 | 190.5 | 0.7 | 137 |
| 21 | 185.4 | 0.8 | 104 |
| 14 | 171.6 | 0.4 | 85 |
| 239 | 163.5 | 0.6 | 98 |
| 370 | 150.5 | 0.8 | 108 |
| 451 | 142.1 | 0.2 | 87 |
| 401 | 135.9 | 0.2 | 46 |
| 131 | 112.1 | 0.6 | 98 |
| 24 | 110.0 | 0.7 | 139 |
| 246 | 97.8 | 0.7 | 87 |
| 48 | 82.3 | 0.7 | 134 |
| 203 | 80.1 | 0.7 | 107 |
| 336 | 69.2 | 0.9 | 90 |
| 173 | 68.2 | 0.5 | 98 |
| 45 | 59.3 | 0.6 | 101 |
| 15 | 54.8 | 0.3 | 46 |
| 376 | 53.1 | 0.2 | 48 |
| 261 | 52.3 | 0.9 | 101 |
| 357 | 50.0 | 0.3 | 52 |
| 165 | 48.4 | 0.6 | 115 |
| 215 | 48.2 | 0.6 | 139 |
| 219 | 47.5 | 0.7 | 141 |
| 214 | 46.9 | 0.6 | 145 |
| 241 | 45.9 | 0.6 | 104 |
| 60 | 43.1 | 0.2 | 49 |
| 218 | 38.0 | 1.3 | 156 |
| 36 | 35.5 | 0.5 | 98 |
| 220 | 32.0 | 0.7 | 131 |
| 223 | 31.7 | 0.6 | 164 |
| 262 | 30.9 | 0.7 | 118 |
| 213 | 30.0 | 0.6 | 128 |
| 373 | 30.0 | 0.9 | 93 |
| 1 | 29.2 | 0.9 | 120 |
| 58 | 27.9 | 0.1 | 45 |
| 372 | 26.6 | 0.9 | 108 |
| 39 | 25.5 | 0.6 | 104 |
| 67 | 24.5 | 0.2 | 44 |
| 371 | 23.3 | 0.7 | 156 |
| 111 | 22.7 | 0.5 | 87 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC OCEAN PERCH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 240 | 22.7 | 0.5 | 104 |
| 224 | 22.6 | 0.6 | 175 |
| 122 | 22.1 | 0.6 | 104 |
| 227 | 21.6 | 0.7 | 164 |
| 3 | 20.6 | 0.2 | 68 |
| 441 | 19.8 | 0.1 | 51 |
| 216 | 19.8 | 0.7 | 124 |
| 385 | 17.3 | 0.7 | 103 |
| 409 | 17.2 | 0.1 | 45 |
| 10 | 17.1 | 0.6 | 153 |
| 263 | 15.8 | 0.6 | 98 |
| 132 | 15.6 | 0.6 | 159 |
| 166 | 15.5 | 0.7 | 139 |
| 172 | 15.3 | 0.6 | 153 |
| 102 | 14.1 | 0.3 | 82 |
| 160 | 13.0 | 0.2 | 66 |
| 225 | 12.7 | 0.7 | 175 |
| 375 | 10.8 | 0.6 | 102 |
| 154 | 10.5 | 0.6 | 77 |
| 51 | 10.4 | 0.6 | 104 |
| 54 | 10.1 | 0.5 | 107 |
| 315 | 10.1 | 1.0 | 82 |
| 412 | 10.1 | 0.9 | 145 |
| 364 | 9.7 | 1.0 | 106 |
| 337 | 9.7 | 0.9 | 115 |
| 226 | 9.1 | 0.6 | 175 |
| 95 | 7.6 | 0.9 | 101 |
| 192 | 7.2 | 0.2 | 53 |
| 272 | 7.0 | 0.6 | 67 |
| 59 | 6.7 | 0.5 | 98 |
| 292 | 6.5 | 0.8 | 66 |
| 229 | 6.3 | 0.9 | 145 |
| 47 | 6.2 | 0.5 | 104 |
| 408 | 5.7 | 0.6 | 85 |
| 266 | 5.6 | 0.9 | 71 |
| 411 | 5.2 | 0.1 | 39 |
| 414 | 4.8 | 0.9 | 208 |
| 11 | 4.7 | 0.7 | 98 |
| 426 | 4.5 | 0.1 | 44 |
| 416 | 3.9 | 0.2 | 44 |
| 222 | 3.2 | 0.7 | 180 |
| 37 | 3.1 | 0.5 | 43 |
| 407 | 3.0 | 0.3 | 86 |
| 273 | 2.9 | 0.6 | 85 |
| 163 | 2.8 | 0.8 | 82 |
| 155 | 2.8 | 1.0 | 104 |
| 16 | 2.5 | 0.2 | 44 |
| 248 | 2.4 | 0.7 | 159 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC OCEAN PERCH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 106 | 2.2 | 0.7 | 156 |
| 348 | 2.2 | 0.1 | 48 |
| 217 | 2.2 | 0.7 | 120 |
| 265 | 2.2 | 0.7 | 126 |
| 327 | 2.1 | 0.7 | 98 |
| 398 | 2.1 | 0.4 | 85 |
| 38 | 2.1 | 0.1 | 37 |
| 359 | 2.1 | 1.1 | 93 |
| 397 | 2.0 | 0.4 | 45 |
| 228 | 2.0 | 0.6 | 191 |
| 103 | 1.9 | 0.3 | 90 |
| 413 | 1.9 | 0.7 | 87 |
| 53 | 1.9 | 0.8 | 159 |
| 167 | 1.9 | 0.8 | 104 |
| 437 | 1.8 | 0.5 | 141 |
| 49 | 1.8 | 0.6 | 43 |
| 316 | 1.8 | 1.0 | 22 |
| 238 | 1.8 | 0.4 | 71 |
| 358 | 1.6 | 1.1 | 120 |
| 245 | 1.5 | 0.6 | 189 |
| 453 | 1.4 | 0.8 | 85 |
| 105 | 1.3 | 0.7 | 98 |
| 169 | 1.2 | 0.6 | 191 |
| 195 | 1.2 | 0.1 | 53 |
| 26 | 1.2 | 0.3 | 68 |
| 329 | 1.1 | 1.4 | 113 |
| 179 | 1.0 | 0.7 | 163 |
| 374 | 0.9 | 0.4 | 79 |
| 267 | 0.9 | 0.4 | 67 |
| 221 | 0.9 | 0.6 | 186 |
| 269 | 0.9 | 0.6 | 53 |
| 425 | 0.8 | 0.2 | 42 |
| 377 | 0.8 | 0.0 | 44 |
| 330 | 0.8 | 1.1 | 96 |
| 277 | 0.8 | 0.3 | 60 |
| 342 | 0.7 | 0.2 | 66 |
| 242 | 0.7 | 0.9 | 191 |
| 251 | 0.7 | 0.3 | 63 |
| 193 | 0.7 | 0.2 | 54 |
| 384 | 0.6 | 0.4 | 98 |
| 447 | 0.6 | 0.1 | 49 |
| 200 | 0.6 | 0.1 | 53 |
| 62 | 0.5 | 0.7 | 96 |
| 199 | 0.5 | 0.2 | 55 |
| 66 | 0.5 | 0.3 | 82 |
| 2 | 0.4 | 0.3 | 79 |
| 126 | 0.4 | 0.2 | 53 |
| 237 | 0.4 | 0.2 | 61 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES DUSKY ROCKFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 154 | 2982.2 | 0.9 | 77 |
| 246 | 1014.7 | 1.3 | 87 |
| 443 | 502.9 | 1.4 | 77 |
| 39 | 383.5 | 1.5 | 104 |
| 162 | 174.9 | 1.3 | 57 |
| 111 | 111.2 | 1.4 | 87 |
| 451 | 110.9 | 1.5 | 87 |
| 126 | 92.0 | 0.9 | 53 |
| 174 | 74.4 | 1.1 | 98 |
| 315 | 64.3 | 1.3 | 82 |
| 28 | 62.2 | 1.5 | 54 |
| 374 | 60.9 | 1.5 | 79 |
| 89 | 43.9 | 1.5 | 108 |
| 160 | 32.1 | 1.2 | 66 |
| 5 | 29.3 | 1.3 | 93 |
| 370 | 25.2 | 1.4 | 108 |
| 3 | 21.5 | 1.3 | 68 |
| 373 | 20.3 | 1.3 | 93 |
| 15 | 19.7 | 0.8 | 46 |
| 192 | 18.8 | 0.8 | 53 |
| 253 | 12.9 | 1.0 | 63 |
| 26 | 12.7 | 1.5 | 68 |
| 267 | 12.7 | 1.1 | 67 |
| 409 | 12.7 | 0.8 | 45 |
| 144 | 12.1 | 0.8 | 71 |
| 385 | 11.8 | 1.2 | 103 |
| 266 | 11.5 | 1.2 | 71 |
| 193 | 10.4 | 1.0 | 54 |
| 59 | 8.8 | 7.0 | 98 |
| 401 | 7.1 | 0.9 | 46 |
| 251 | 6.6 | 1.2 | 63 |
| 200 | 6.2 | 0.8 | 53 |
| 411 | 6.0 | 0.7 | 39 |
| 239 | 5.8 | 1.2 | 98 |
| 177 | 5.5 | 1.0 | 44 |
| 408 | 5.5 | 1.6 | 85 |
| 58 | 5.3 | 0.9 | 45 |
| 369 | 5.1 | 1.3 | 104 |
| 272 | 5.1 | 0.9 | 67 |
| 310 | 5.1 | 1.2 | 57 |
| 425 | 4.9 | 1.0 | 42 |
| 416 | 4.8 | 0.8 | 44 |
| 36 | 4.8 | 1.4 | 98 |
| 359 | 4.6 | 1.3 | 93 |
| 63 | 4.5 | 0.6 | 82 |
| 108 | 4.5 | 0.3 | 36 |
| 7 | 4.4 | 1.3 | 63 |
| 316 | 4.1 | 1.3 | 22 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES DUSKY ROCKFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 269 | 4.0 | 0.9 | 53 |
| 287 | 4.0 | 0.9 | 55 |
| 115 | 3.8 | 0.9 | 93 |
| 326 | 3.6 | 1.4 | 66 |
| 60 | 3.4 | 0.8 | 49 |
| 92 | 3.3 | 1.1 | 107 |
| 277 | 3.3 | 0.8 | 60 |
| 261 | 3.3 | 0.7 | 101 |
| 113 | 2.7 | 0.9 | 60 |
| 157 | 2.7 | 1.0 | 55 |
| 95 | 2.5 | 1.1 | 101 |
| 107 | 2.3 | 0.9 | 46 |
| 402 | 2.2 | 0.5 | 40 |
| 337 | 2.2 | 1.2 | 115 |
| 288 | 2.1 | 0.9 | 101 |
| 161 | 2.1 | 1.2 | 68 |
| 49 | 2.1 | 0.8 | 43 |
| 66 | 2.1 | 1.1 | 82 |
| 94 | 2.0 | 1.2 | 139 |
| 67 | 1.8 | 0.6 | 44 |
| 173 | 1.7 | 1.2 | 98 |
| 372 | 1.7 | 1.2 | 108 |
| 202 | 1.7 | 1.2 | 90 |
| 146 | 1.6 | 0.9 | 90 |
| 397 | 1.5 | 0.9 | 45 |
| 323 | 1.5 | 1.1 | 55 |
| 71 | 1.4 | 1.4 | 82 |
| 117 | 1.4 | 1.0 | 68 |
| 304 | 1.4 | 1.3 | 118 |
| 394 | 1.3 | 0.8 | 39 |
| 75 | 1.3 | 0.9 | 85 |
| 38 | 1.3 | 0.7 | 37 |
| 329 | 1.3 | 1.3 | 113 |
| 258 | 1.2 | 1.2 | 63 |
| 158 | 1.2 | 1.0 | 60 |
| 375 | 1.2 | 1.7 | 102 |
| 252 | 1.2 | 1.1 | 101 |
| 263 | 1.2 | 1.0 | 98 |
| 132 | 1.2 | 1.2 | 159 |
| 412 | 1.1 | 1.3 | 145 |
| 348 | 1.1 | 1.2 | 48 |
| 285 | 1.1 | 1.5 | 98 |
| 150 | 1.0 | 0.9 | 60 |
| 342 | 1.0 | 1.3 | 66 |
| 178 | 1.0 | 0.8 | 44 |
| 37 | 0.9 | 0.8 | 43 |
| 426 | 0.9 | 1.1 | 44 |
| 215 | 0.9 | 1.1 | 139 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES DUSKY ROCKFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 118 | 0.9 | 0.7 | 77 |
| 194 | 0.9 | 1.0 | 52 |
| 392 | 0.9 | 1.3 | 75 |
| 216 | 0.8 | 1.0 | 124 |
| 176 | 0.8 | 1.5 | 50 |
| 388 | 0.8 | 1.2 | 63 |
| 324 | 0.8 | 1.4 | 123 |
| 296 | 0.8 | 1.0 | 82 |
| 384 | 0.8 | 1.2 | 98 |
| 122 | 0.8 | 1.5 | 104 |
| 364 | 0.8 | 1.5 | 106 |
| 278 | 0.7 | 0.8 | 104 |
| 45 | 0.7 | 1.5 | 101 |
| 93 | 0.7 | 0.9 | 96 |
| 330 | 0.7 | 1.4 | 96 |
| 268 | 0.6 | 1.4 | 51 |
| 29 | 0.6 | 1.3 | 52 |
| 213 | 0.6 | 1.5 | 128 |
| 356 | 0.6 | 1.5 | 69 |
| 220 | 0.6 | 1.4 | 131 |
| 302 | 0.6 | 1.2 | 94 |
| 386 | 0.6 | 1.2 | 77 |
| 163 | 0.5 | 1.2 | 82 |
| 11 | 0.5 | 2.0 | 98 |
| 16 | 0.5 | 1.0 | 44 |
| 441 | 0.5 | 1.0 | 51 |
| 114 | 0.5 | 1.0 | 82 |
| 282 | 0.5 | 1.2 | 101 |
| 254 | 0.5 | 1.2 | 68 |
| 168 | 0.5 | 1.0 | 97 |
| 274 | 0.5 | 1.0 | 100 |
| 264 | 0.4 | 1.0 | 93 |
| 62 | 0.4 | 1.6 | 96 |
| 85 | 0.4 | 1.6 | 71 |
| 24 | 0.4 | 1.6 | 139 |
| 195 | 0.4 | 0.9 | 53 |
| 196 | 0.4 | 0.8 | 53 |
| 181 | 0.4 | 0.7 | 78 |
| 293 | 0.4 | 1.1 | 71 |
| 103 | 0.3 | 1.3 | 90 |
| 255 | 0.3 | 1.6 | 67 |
| 429 | 0.3 | 1.4 | 49 |
| 311 | 0.3 | 1.5 | 44 |
| 121 | 0.3 | 1.3 | 90 |
| 203 | 0.3 | 1.3 | 107 |
| 393 | 0.3 | 1.3 | 89 |
| 334 | 0.3 | 1.3 | 90 |
| 83 | 0.3 | 1.1 | 82 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES NORTHERN ROCKFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 246 | 1223.7 | 0.6 | 87 |
| 401 | 726.0 | 0.5 | 46 |
| 162 | 612.3 | 0.6 | 57 |
| 126 | 496.9 | 0.6 | 53 |
| 374 | 400.6 | 0.8 | 79 |
| 443 | 400.6 | 0.6 | 77 |
| 267 | 273.1 | 0.6 | 67 |
| 160 | 263.8 | 0.5 | 66 |
| 253 | 235.8 | 0.6 | 63 |
| 192 | 233.3 | 0.6 | 53 |
| 357 | 189.3 | 0.6 | 52 |
| 416 | 159.7 | 0.6 | 44 |
| 92 | 144.4 | 0.6 | 107 |
| 36 | 138.1 | 1.1 | 98 |
| 154 | 133.8 | 0.7 | 77 |
| 28 | 127.2 | 0.9 | 54 |
| 200 | 108.3 | 0.5 | 53 |
| 15 | 107.0 | 0.5 | 46 |
| 409 | 100.4 | 0.4 | 45 |
| 251 | 96.8 | 0.6 | 63 |
| 370 | 90.7 | 0.8 | 108 |
| 58 | 90.4 | 0.4 | 45 |
| 451 | 87.6 | 0.7 | 87 |
| 373 | 79.6 | 0.8 | 93 |
| 60 | 65.6 | 0.3 | 49 |
| 193 | 63.5 | 0.6 | 54 |
| 269 | 60.4 | 0.6 | 53 |
| 67 | 58.4 | 0.3 | 44 |
| 107 | 49.6 | 0.4 | 46 |
| 26 | 44.8 | 0.7 | 68 |
| 3 | 43.0 | 0.6 | 68 |
| 394 | 33.3 | 0.2 | 39 |
| 411 | 32.6 | 0.3 | 39 |
| 426 | 29.1 | 0.7 | 44 |
| 425 | 28.7 | 0.7 | 42 |
| 196 | 25.3 | 0.5 | 53 |
| 364 | 21.3 | 0.8 | 106 |
| 108 | 20.5 | 0.3 | 36 |
| 49 | 20.2 | 0.3 | 43 |
| 127 | 19.7 | 0.5 | 42 |
| 5 | 17.8 | 0.8 | 93 |
| 252 | 17.7 | 0.6 | 101 |
| 93 | 14.5 | 0.6 | 96 |
| 38 | 13.8 | 0.1 | 37 |
| 277 | 12.0 | 0.5 | 60 |
| 397 | 11.7 | 0.4 | 45 |
| 199 | 11.2 | 0.4 | 55 |
| 195 | 10.6 | 0.5 | 53 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES NORTHERN ROCKFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 174 | 10.5 | 0.6 | 98 |
| 369 | 9.9 | 0.7 | 104 |
| 59 | 9.3 | 0.5 | 98 |
| 348 | 9.3 | 0.4 | 48 |
| 16 | 8.7 | 0.5 | 44 |
| 161 | 8.5 | 0.5 | 68 |
| 37 | 8.0 | 0.8 | 43 |
| 268 | 7.5 | 0.6 | 51 |
| 441 | 7.5 | 0.4 | 51 |
| 287 | 7.0 | 0.6 | 55 |
| 288 | 6.2 | 0.6 | 101 |
| 2 | 5.4 | 0.6 | 79 |
| 111 | 5.3 | 1.0 | 87 |
| 194 | 5.0 | 0.6 | 52 |
| 454 | 4.8 | 0.1 | 38 |
| 376 | 4.8 | 0.2 | 48 |
| 197 | 4.3 | 0.5 | 51 |
| 266 | 4.1 | 0.7 | 71 |
| 407 | 3.6 | 1.0 | 86 |
| 444 | 3.6 | 0.2 | 41 |
| 237 | 2.8 | 0.5 | 61 |
| 7 | 2.3 | 0.5 | 63 |
| 278 | 2.3 | 0.5 | 104 |
| 29 | 1.8 | 0.9 | 52 |
| 102 | 1.8 | 0.5 | 82 |
| 398 | 1.6 | 0.5 | 85 |
| 198 | 1.5 | 0.7 | 55 |
| 94 | 1.5 | 0.5 | 139 |
| 410 | 1.5 | 0.6 | 41 |
| 24 | 1.4 | 2.8 | 139 |
| 45 | 1.3 | 0.7 | 101 |
| 254 | 1.3 | 0.5 | 68 |
| 272 | 1.2 | 0.6 | 67 |
| 333 | 1.2 | 0.3 | 38 |
| 21 | 1.2 | 0.7 | 104 |
| 258 | 1.1 | 0.7 | 63 |
| 343 | 1.1 | 0.7 | 87 |
| 342 | 1.1 | 0.5 | 66 |
| 372 | 1.1 | 0.6 | 108 |
| 213 | 1.0 | 0.6 | 128 |
| 14 | 1.0 | 0.5 | 85 |
| 63 | 1.0 | 0.8 | 82 |
| 362 | 1.0 | 0.6 | 96 |
| 384 | 0.9 | 0.5 | 98 |
| 388 | 0.8 | 0.5 | 63 |
| 105 | 0.8 | 0.6 | 98 |
| 275 | 0.8 | 0.6 | 71 |
| 95 | 0.8 | 0.5 | 101 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES NORTHERN ROCKFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 103 | 0.7 | 0.7 | 90 |
| 402 | 0.7 | 0.3 | 40 |
| 173 | 0.7 | 0.6 | 98 |
| 408 | 0.6 | 0.6 | 85 |
| 122 | 0.6 | 0.6 | 104 |
| 326 | 0.6 | 0.6 | 66 |
| 247 | 0.6 | 0.6 | 355 |
| 273 | 0.6 | 0.9 | 85 |
| 66 | 0.6 | 0.6 | 82 |
| 11 | 0.5 | 0.6 | 98 |
| 44 | 0.5 | 0.7 | 77 |
| 1 | 0.5 | 0.5 | 120 |
| 385 | 0.5 | 0.5 | 103 |
| 447 | 0.5 | 0.2 | 49 |
| 216 | 0.4 | 0.5 | 124 |
| 150 | 0.4 | 0.5 | 60 |
| 446 | 0.4 | 0.2 | 46 |
| 203 | 0.4 | 0.7 | 107 |
| 64 | 0.4 | 0.7 | 110 |
| 403 | 0.3 | 0.4 | 57 |
| 62 | 0.3 | 0.6 | 96 |
| 83 | 0.3 | 0.5 | 82 |
| 72 | 0.3 | 0.6 | 68 |
| 106 | 0.3 | 0.6 | 156 |
| 217 | 0.3 | 0.7 | 120 |
| 172 | 0.3 | 0.5 | 153 |
| 360 | 0.2 | 0.4 | 57 |
| 429 | 0.2 | 1.0 | 49 |
| 201 | 0.2 | 0.5 | 28 |
| 339 | 0.2 | 0.4 | 57 |
| 61 | 0.2 | 0.5 | 109 |
| 124 | 0.2 | 0.8 | 93 |
| 225 | 0.2 | 0.6 | 175 |
| 51 | 0.2 | 0.7 | 104 |
| 359 | 0.2 | 0.4 | 93 |
| 12 | 0.2 | 0.7 | 86 |
| 39 | 0.2 | 0.6 | 104 |
| 223 | 0.2 | 0.5 | 164 |
| 54 | 0.1 | 0.6 | 107 |
| 220 | 0.1 | 0.3 | 131 |
| 352 | 0.1 | 0.3 | 66 |
| 123 | 0.1 | 0.5 | 38 |
| 202 | 0.1 | 0.6 | 90 |
| 340 | 0.1 | 0.5 | 82 |
| 331 | 0.1 | 0.2 | 60 |
| 9 | 0.1 | 0.5 | 100 |
| 265 | 0.1 | 0.6 | 126 |
| 132 | 0.1 | 0.6 | 159 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES HARLEQUIN ROCKFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 162 | 590.8 | 0.2 | 57 |
| 269 | 484.7 | 0.1 | 53 |
| 39 | 178.2 | 0.5 | 104 |
| 443 | 95.4 | 0.5 | 77 |
| 266 | 83.0 | 0.2 | 71 |
| 246 | 77.1 | 0.4 | 87 |
| 161 | 29.9 | 0.3 | 68 |
| 160 | 20.5 | 0.4 | 66 |
| 261 | 14.9 | 0.3 | 101 |
| 58 | 12.8 | 0.2 | 45 |
| 401 | 7.3 | 0.2 | 46 |
| 362 | 4.4 | 0.3 | 96 |
| 451 | 4.4 | 0.5 | 87 |
| 258 | 3.0 | 0.3 | 63 |
| 127 | 2.8 | 0.1 | 42 |
| 251 | 2.8 | 0.3 | 63 |
| 277 | 2.4 | 0.2 | 60 |
| 253 | 2.2 | 0.2 | 63 |
| 275 | 2.0 | 0.2 | 71 |
| 408 | 1.5 | 0.5 | 85 |
| 263 | 1.0 | 0.3 | 98 |
| 364 | 1.0 | 0.4 | 106 |
| 92 | 0.9 | 0.4 | 107 |
| 5 | 0.5 | 0.5 | 93 |
| 174 | 0.5 | 0.4 | 98 |
| 200 | 0.5 | 0.2 | 53 |
| 89 | 0.4 | 0.4 | 108 |
| 267 | 0.4 | 0.2 | 67 |
| 239 | 0.4 | 0.2 | 98 |
| 195 | 0.4 | 0.2 | 53 |
| 264 | 0.3 | 0.2 | 93 |
| 409 | 0.3 | 0.0 | 45 |
| 374 | 0.3 | 0.5 | 79 |
| 173 | 0.3 | 0.4 | 98 |
| 102 | 0.2 | 0.3 | 82 |
| 397 | 0.2 | 0.2 | 45 |
| 273 | 0.1 | 0.3 | 85 |
| 37 | 0.1 | 0.6 | 43 |
| 333 | 0.1 | 0.1 | 38 |
| 93 | 0.1 | 0.3 | 96 |
| 259 | 0.1 | 0.3 | 104 |
| 357 | 0.1 | 0.2 | 52 |
| 122 | 0.1 | 0.5 | 104 |
| 394 | 0.1 | 0.1 | 39 |
| 268 | 0.1 | 0.1 | 51 |
| 278 | 0.1 | 0.2 | 104 |
| 237 | 0.1 | 0.2 | 61 |
| 126 | 0.1 | 0.4 | 53 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES HARLEQUIN ROCKFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 262 | 0.1 | 0.5 | 118 |
| 441 | 0.1 | 0.1 | 51 |
| 254 | 0.1 | 0.4 | 68 |
| 36 | 0.1 | 0.4 | 98 |
| 416 | 0.1 | 0.3 | 44 |
| 287 | 0.1 | 0.3 | 55 |
| 265 | 0.1 | 0.3 | 126 |
| 107 | 0.0 | 0.2 | 46 |
| 425 | 0.0 | 0.1 | 42 |
| 426 | 0.0 | 0.2 | 44 |
| 108 | 0.0 | 0.1 | 36 |
| 411 | 0.0 | 0.0 | 39 |
| 67 | 0.0 | 0.1 | 44 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES SHORTRAKER ROCKFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 99 | 944.4 | 7.2 | 191 |
| 228 | 579.9 | 4.8 | 191 |
| 164 | 168.0 | 4.0 | 197 |
| 242 | 147.8 | 4.0 | 191 |
| 248 | 142.3 | 5.7 | 159 |
| 247 | 130.0 | 2.2 | 355 |
| 361 | 67.3 | 4.2 | 180 |
| 8 | 54.7 | 2.9 | 219 |
| 169 | 46.8 | 3.1 | 191 |
| 245 | 45.2 | 3.4 | 189 |
| 414 | 39.9 | 3.7 | 208 |
| 50 | 38.5 | 3.0 | 200 |
| 222 | 27.0 | 4.0 | 180 |
| 363 | 21.8 | 3.3 | 189 |
| 221 | 21.6 | 4.1 | 186 |
| 223 | 21.4 | 4.4 | 164 |
| 110 | 20.1 | 4.2 | 200 |
| 56 | 19.8 | 4.3 | 205 |
| 130 | 17.7 | 1.9 | 191 |
| 224 | 13.7 | 3.9 | 175 |
| 226 | 11.6 | 4.4 | 175 |
| 225 | 11.5 | 3.5 | 175 |
| 23 | 10.7 | 1.6 | 246 |
| 261 | 9.0 | 1.1 | 101 |
| 132 | 8.9 | 2.2 | 159 |
| 106 | 8.6 | 4.9 | 156 |
| 101 | 7.3 | 3.1 | 276 |
| 109 | 7.2 | 4.9 | 279 |
| 227 | 6.4 | 3.5 | 164 |
| 179 | 5.8 | 2.8 | 163 |
| 218 | 5.5 | 3.6 | 156 |
| 10 | 4.7 | 4.2 | 153 |
| 381 | 4.1 | 2.3 | 219 |
| 230 | 4.1 | 0.7 | 103 |
| 231 | 3.9 | 0.6 | 118 |
| 57 | 3.8 | 4.0 | 104 |
| 159 | 3.6 | 3.8 | 273 |
| 364 | 3.3 | 4.3 | 106 |
| 4 | 3.2 | 0.7 | 301 |
| 299 | 3.1 | 4.8 | 90 |
| 96 | 2.8 | 2.8 | 284 |
| 126 | 2.5 | 9.8 | 53 |
| 244 | 2.4 | 5.1 | 282 |
| 165 | 2.2 | 4.7 | 115 |
| 232 | 2.1 | 0.7 | 82 |
| 333 | 1.9 | 7.6 | 38 |
| 123 | 1.7 | 6.0 | 38 |
| 46 | 1.7 | 1.4 | 284 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES SHORTRAKER ROCKFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 111 | 1.6 | 2.7 | 87 |
| 412 | 1.5 | 7.0 | 145 |
| 236 | 1.1 | 2.4 | 107 |
| 233 | 1.0 | 0.8 | 107 |
| 147 | 0.9 | 3.7 | 90 |
| 395 | 0.9 | 3.9 | 71 |
| 440 | 0.9 | 3.9 | 82 |
| 393 | 0.5 | 2.0 | 89 |
| 53 | 0.3 | 1.4 | 159 |
| 439 | 0.3 | 1.6 | 219 |
| 47 | 0.2 | 0.9 | 104 |
| 265 | 0.2 | 1.1 | 126 |
| 264 | 0.2 | 0.5 | 93 |
| 262 | 0.2 | 0.9 | 118 |
| 274 | 0.1 | 0.5 | 100 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES SIDESTRIPE SHRIMP

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 308 | 0.5 | 0.0 | 148 |
| 230 | 0.3 | 0.0 | 103 |
| 307 | 0.3 | 0.0 | 150 |
| 328 | 0.2 | 0.0 | 134 |
| 305 | 0.2 | 0.1 | 110 |
| 65 | 0.2 | 0.0 | 112 |
| 231 | 0.2 | 0.0 | 118 |
| 327 | 0.2 | 0.0 | 98 |
| 64 | 0.1 | 0.0 | 110 |
| 232 | 0.1 | 0.0 | 82 |
| 110 | 0.1 | 0.0 | 200 |
| 261 | 0.1 | 0.0 | 101 |
| 61 | 0.1 | 0.0 | 109 |
| 106 | 0.1 | 0.1 | 156 |
| 260 | 0.1 | 0.1 | 116 |
| 301 | 0.1 | 0.0 | 97 |
| 309 | 0.1 | 0.1 | 115 |
| 271 | 0.1 | 0.0 | 109 |
| 264 | 0.1 | 0.0 | 93 |
| 48 | 0.0 | 0.0 | 134 |
| 233 | 0.0 | 0.0 | 107 |
| 66 | 0.0 | 0.0 | 82 |
| 288 | 0.0 | 0.0 | 101 |
| 263 | 0.0 | 0.1 | 98 |
| 179 | 0.0 | 0.0 | 163 |
| 215 | 0.0 | 0.1 | 139 |
| 216 | 0.0 | 0.1 | 124 |
| 277 | 0.0 | 0.1 | 60 |
| 299 | 0.0 | 0.0 | 90 |
| 391 | 0.0 | 0.0 | 95 |
| 276 | 0.0 | 0.0 | 98 |
| 265 | 0.0 | 0.0 | 126 |
| 221 | 0.0 | 0.1 | 186 |
| 116 | 0.0 | 0.1 | 85 |
| 145 | 0.0 | 0.0 | 96 |
| 62 | 0.0 | 0.0 | 96 |
| 49 | 0.0 | 0.1 | 43 |
| 234 | 0.0 | 0.1 | 66 |
| 237 | 0.0 | 0.0 | 61 |
| 146 | 0.0 | 0.1 | 90 |
| 51 | 0.0 | 0.1 | 104 |
| 241 | 0.0 | 0.1 | 104 |
| 167 | 0.0 | 0.1 | 104 |
| 203 | 0.0 | 0.0 | 107 |
| 84 | 0.0 | 0.1 | 82 |
| 168 | 0.0 | 0.1 | 97 |
| 372 | 0.0 | 0.1 | 108 |
| 330 | 0.0 | 0.1 | 96 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES SIDESTRIPE SHRIMP

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 235 | 0.0 | 0.1 | 59 |
| 172 | 0.0 | 0.1 | 153 |
| 57 | 0.0 | 0.1 | 104 |
| 56 | 0.0 | 0.0 | 205 |
| 337 | 0.0 | 0.1 | 115 |
| 414 | 0.0 | 0.1 | 208 |
| 390 | 0.0 | 0.1 | 77 |
| 387 | 0.0 | 0.0 | 104 |
| 166 | 0.0 | 0.0 | 139 |
| 220 | 0.0 | 0.1 | 131 |
| 412 | 0.0 | 0.1 | 145 |
| 130 | 0.0 | 0.1 | 191 |
| 229 | 0.0 | 0.0 | 145 |
| 217 | 0.0 | 0.1 | 120 |
| 297 | 0.0 | 0.1 | 98 |
| 437 | 0.0 | 0.1 | 141 |
| 132 | 0.0 | 0.0 | 159 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES BROAD SNOW CRAB (=TANNER CRAB(

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 190 | 11.0 | 0.9 | 80 |
| 191 | 5.9 | 0.6 | 82 |
| 210 | 4.5 | 0.6 | 56 |
| 187 | 4.3 | 0.7 | 83 |
| 211 | 4.0 | 0.5 | 56 |
| 209 | 3.8 | 0.4 | 55 |
| 181 | 3.6 | 0.9 | 78 |
| 180 | 3.2 | 1.1 | 80 |
| 119 | 2.7 | 0.7 | 78 |
| 188 | 2.5 | 0.5 | 83 |
| 183 | 1.7 | 0.7 | 82 |
| 146 | 1.1 | 0.7 | 90 |
| 184 | 1.1 | 0.5 | 83 |
| 182 | 1.0 | 1.0 | 80 |
| 207 | 1.0 | 0.7 | 52 |
| 212 | 0.9 | 0.7 | 56 |
| 114 | 0.9 | 0.9 | 82 |
| 206 | 0.7 | 0.8 | 55 |
| 147 | 0.7 | 0.9 | 90 |
| 186 | 0.7 | 0.7 | 79 |
| 155 | 0.6 | 0.8 | 104 |
| 189 | 0.6 | 0.3 | 79 |
| 232 | 0.6 | 0.6 | 82 |
| 185 | 0.5 | 0.7 | 78 |
| 145 | 0.5 | 0.9 | 96 |
| 120 | 0.5 | 0.3 | 85 |
| 75 | 0.4 | 0.2 | 85 |
| 193 | 0.4 | 0.2 | 54 |
| 301 | 0.4 | 0.3 | 97 |
| 192 | 0.3 | 0.3 | 53 |
| 194 | 0.3 | 0.2 | 52 |
| 69 | 0.3 | 1.2 | 85 |
| 70 | 0.3 | 0.5 | 93 |
| 68 | 0.2 | 0.5 | 82 |
| 238 | 0.2 | 1.0 | 71 |
| 302 | 0.2 | 0.4 | 94 |
| 83 | 0.2 | 0.7 | 82 |
| 149 | 0.2 | 0.3 | 82 |
| 262 | 0.2 | 0.4 | 118 |
| 86 | 0.1 | 0.5 | 60 |
| 81 | 0.1 | 0.2 | 71 |
| 342 | 0.1 | 0.3 | 66 |
| 345 | 0.1 | 0.2 | 66 |
| 80 | 0.1 | 0.4 | 87 |
| 329 | 0.1 | 0.5 | 113 |
| 307 | 0.1 | 0.4 | 150 |
| 395 | 0.1 | 0.4 | 71 |
| 137 | 0.1 | 0.4 | 55 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES BROAD SNOW CRAB (=TANNER CRAB(

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 300 | 0.1 | 0.4 | 96 |
| 391 | 0.1 | 0.1 | 95 |
| 321 | 0.1 | 0.3 | 29 |
| 71 | 0.1 | 0.2 | 82 |
| 115 | 0.1 | 0.3 | 93 |
| 394 | 0.1 | 0.2 | 39 |
| 67 | 0.1 | 0.3 | 44 |
| 82 | 0.1 | 0.3 | 85 |
| 332 | 0.1 | 0.3 | 93 |
| 392 | 0.1 | 0.1 | 75 |
| 351 | 0.1 | 0.2 | 85 |
| 317 | 0.1 | 0.3 | 27 |
| 396 | 0.0 | 0.2 | 34 |
| 306 | 0.0 | 0.2 | 142 |
| 393 | 0.0 | 0.1 | 89 |
| 63 | 0.0 | 0.2 | 82 |
| 65 | 0.0 | 0.2 | 112 |
| 278 | 0.0 | 0.2 | 104 |
| 87 | 0.0 | 0.1 | 49 |
| 116 | 0.0 | 0.1 | 85 |
| 76 | 0.0 | 0.1 | 82 |
| 77 | 0.0 | 0.0 | 60 |
| 72 | 0.0 | 0.1 | 68 |
| 406 | 0.0 | 0.1 | 52 |
| 331 | 0.0 | 0.1 | 60 |
| 303 | 0.0 | 0.1 | 98 |
| 74 | 0.0 | 0.1 | 77 |
| 256 | 0.0 | 0.1 | 85 |
| 390 | 0.0 | 0.1 | 77 |
| 387 | 0.0 | 0.0 | 104 |
| 309 | 0.0 | 0.1 | 115 |
| 389 | 0.0 | 0.1 | 75 |
| 352 | 0.0 | 0.1 | 66 |
| 363 | 0.0 | 0.1 | 189 |

SECTION 3

Fishing log for the Lets Go

Station charts of haul numbers plotted adjacent to their respective geographical locations

Note: Hauls 99-149 were completed in the eastern Gulf of Alaska by the Auke Bay Laboratory.

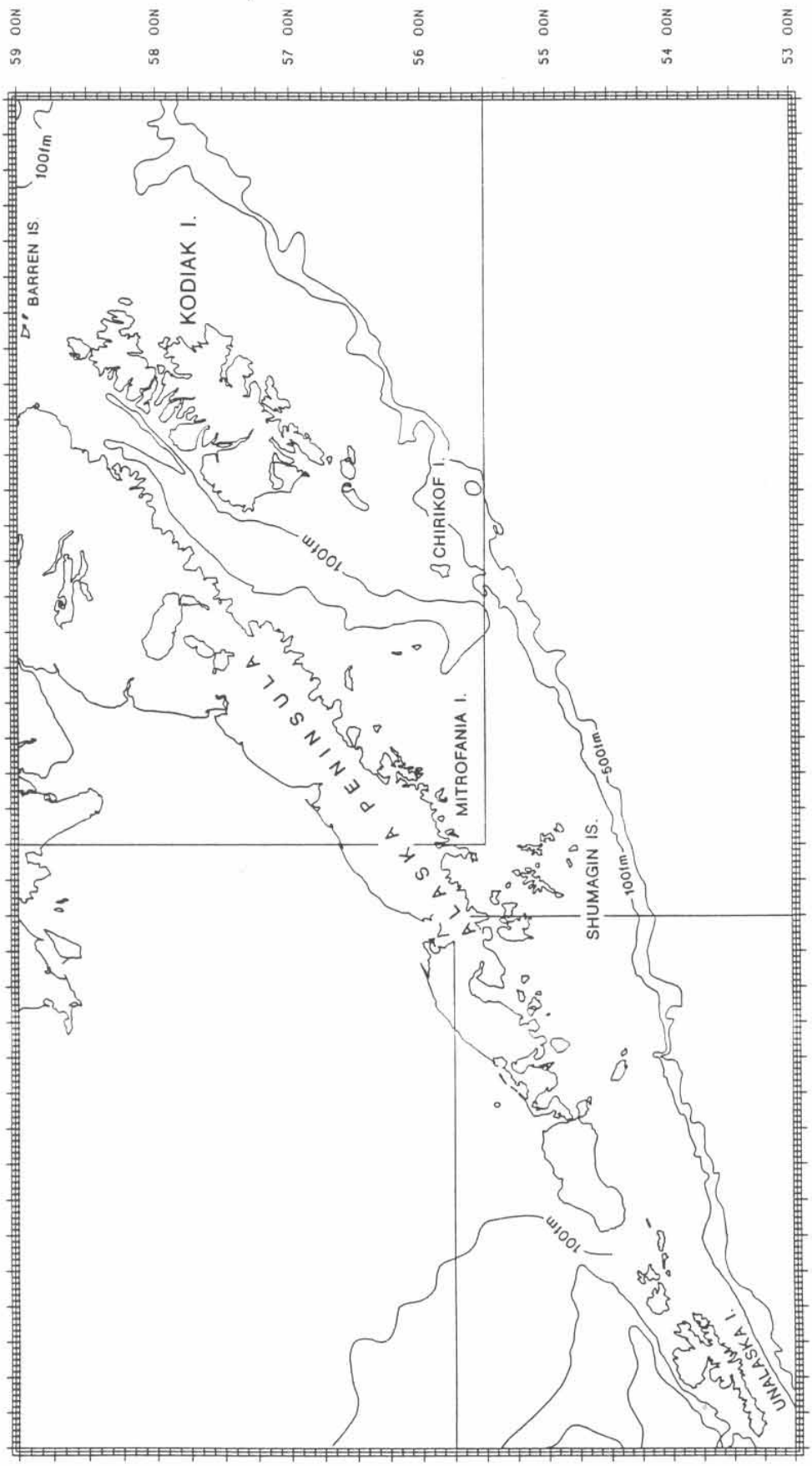


Figure 37.--Areas surveyed from May 31-July 8, 1987 by the U.S. chartered trawler Lets Go (1-98) and cited in Figures 38-39 (not shown, hauls 99-149 completed in the eastern Gulf of Alaska by the Auke Bay Laboratory.

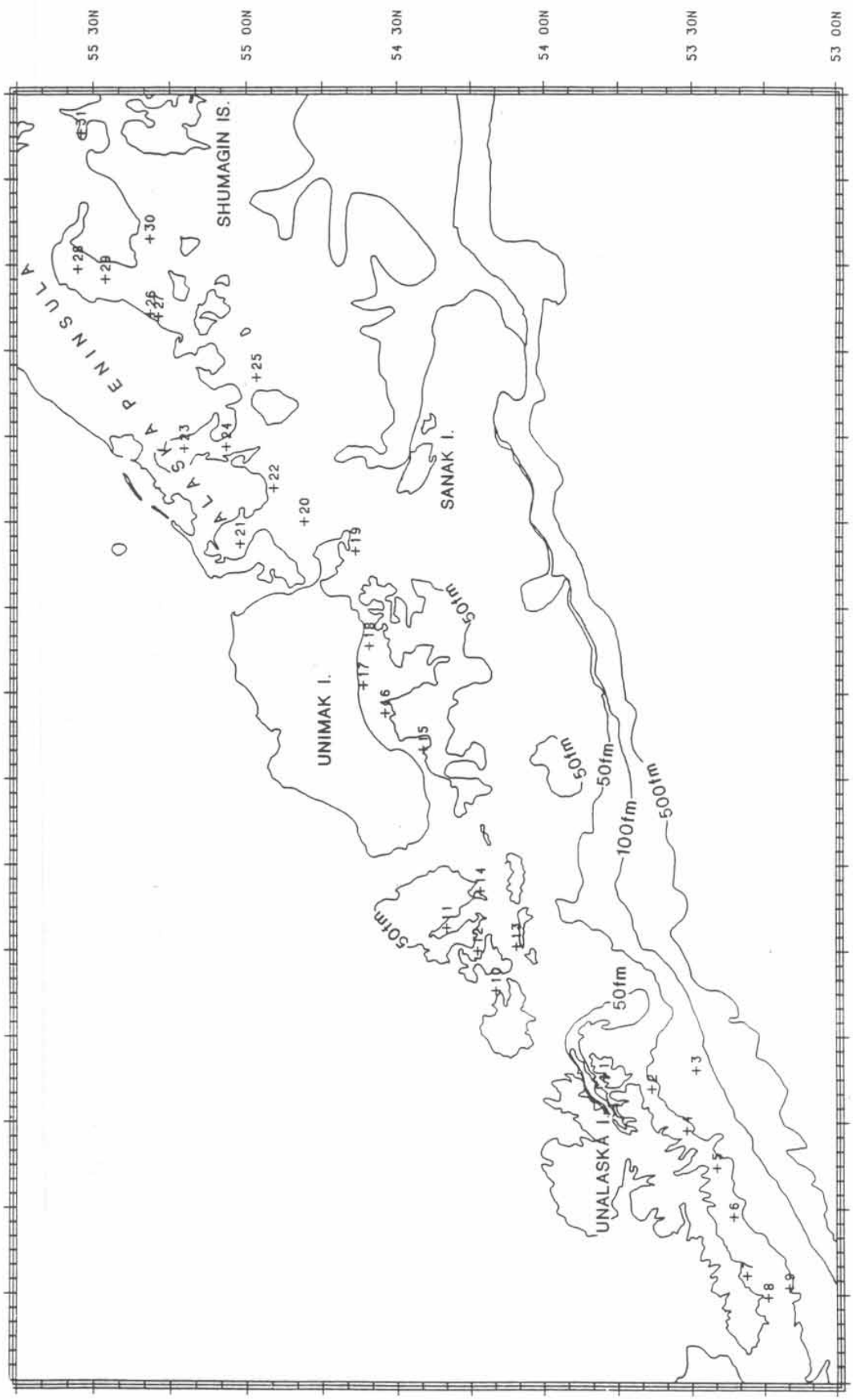


Figure 38.--Stations surveyed by the U.S. chartered trawler Lets Go in the Unalaska Island and Shumagin Islands areas (hauls 1-31).

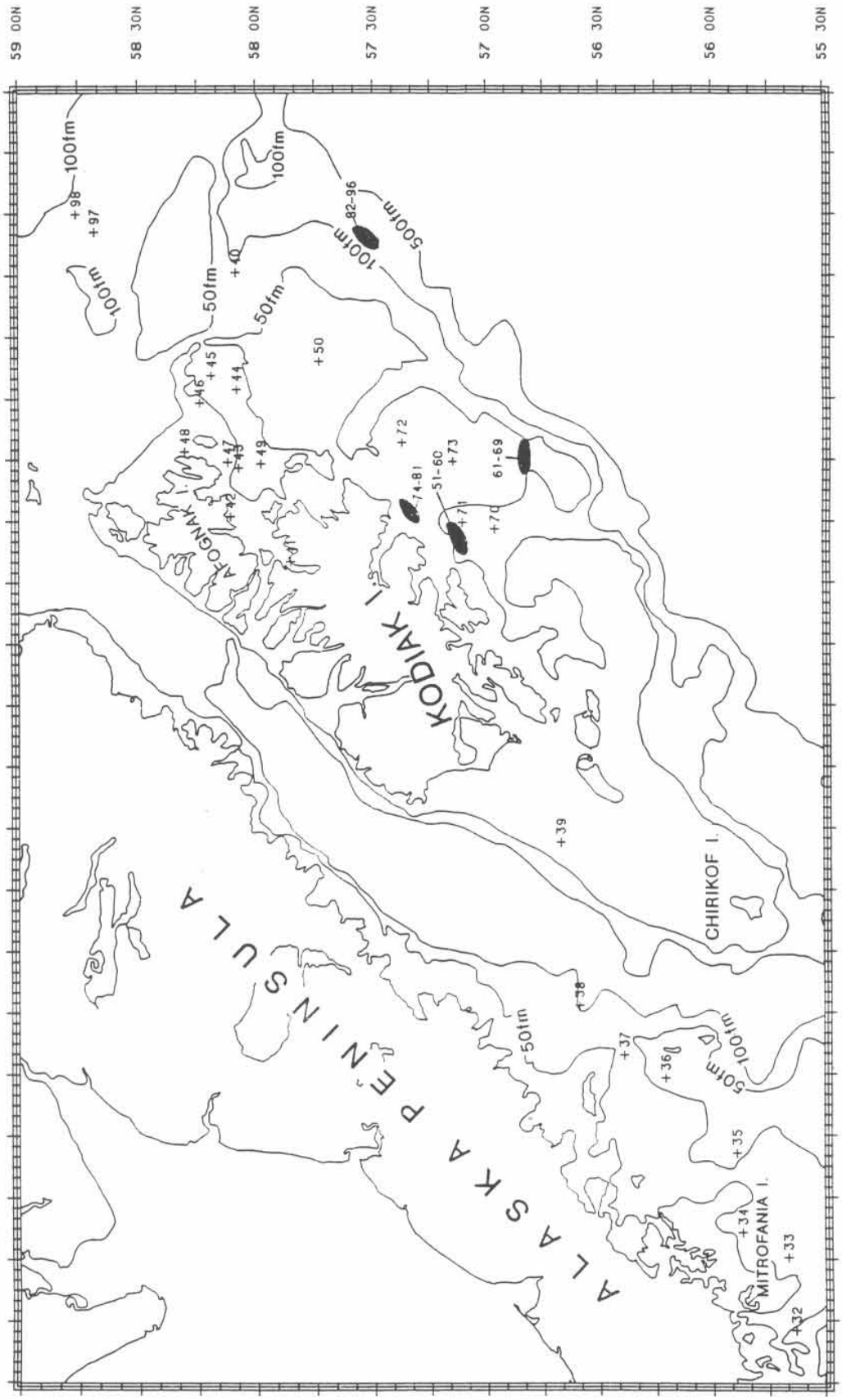


Figure 39.--Stations surveyed by the U.S. chartered trawler Lets Go in the Mitrofania Island, Kodiak Island and Barren Islands areas (hauls 32-98).

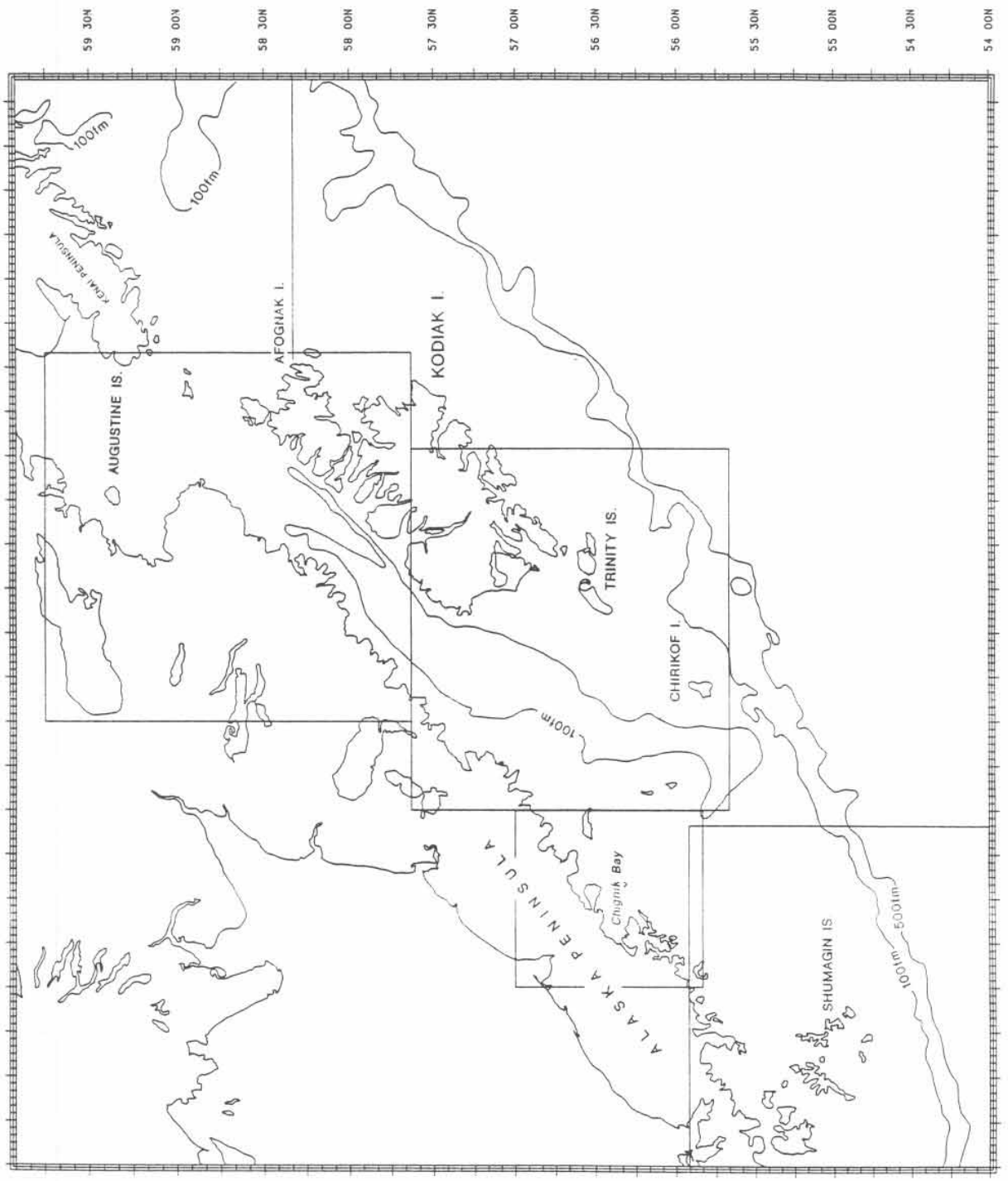


Figure 40.--Areas surveyed from July 31-September 6, 1987 by the U.S. chartered trawler Lets Go (hauls 150-280) and cited in Figures 41-45.

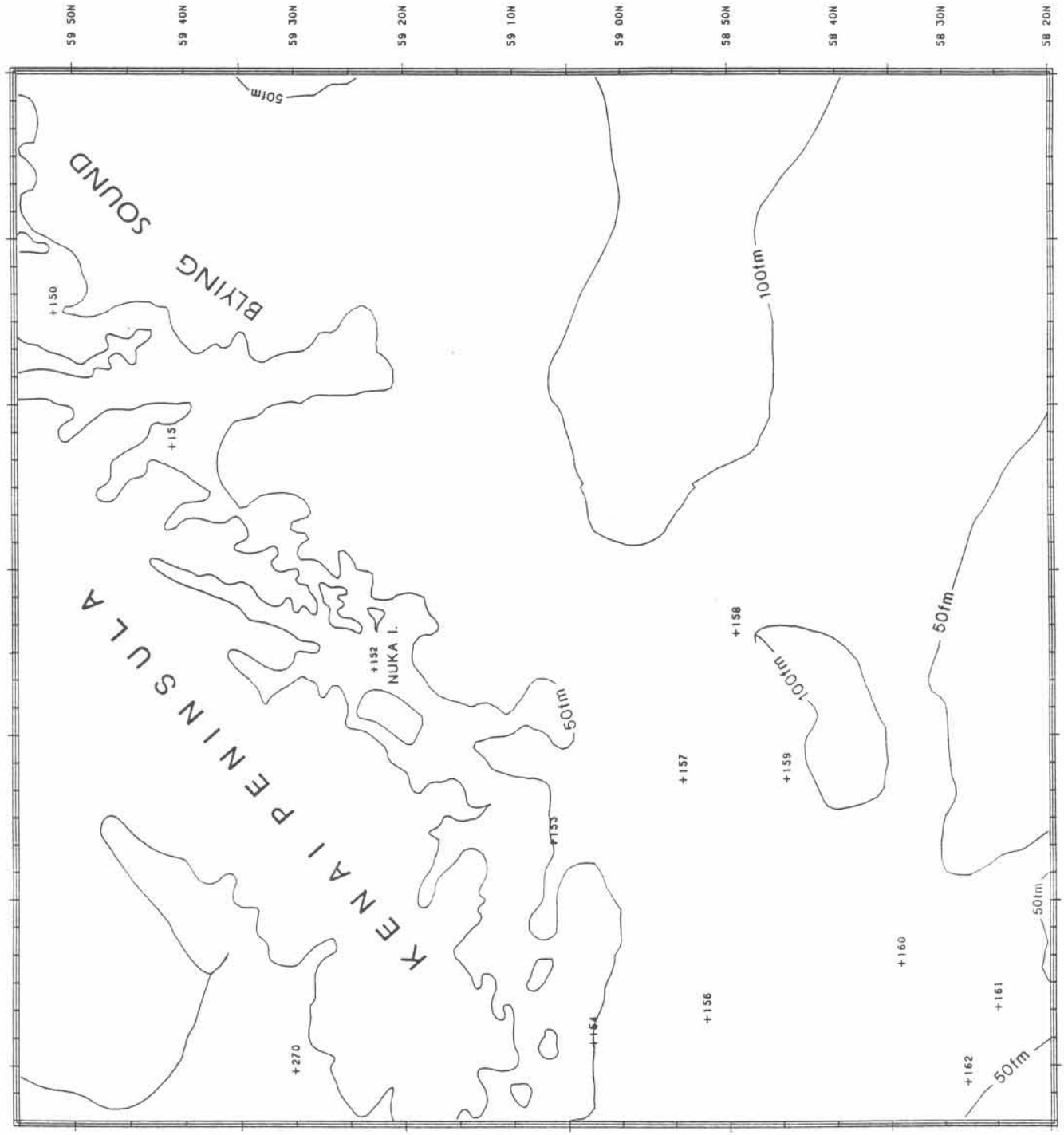


Figure 41.--Stations surveyed by the U.S. chartered trawler Lets Go in the Kenai Peninsula area (hauls 150-154, 156-162 and 270').

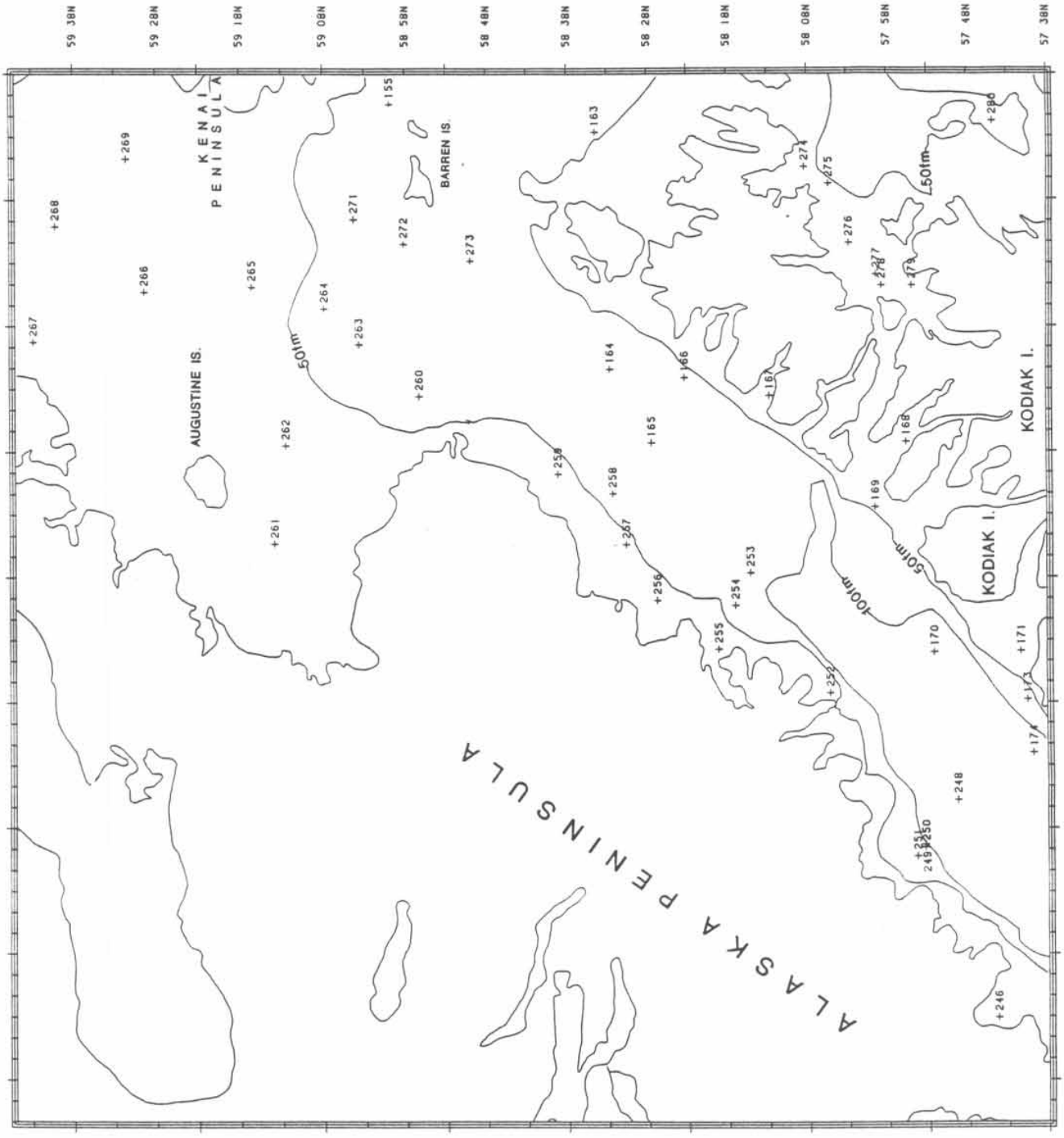


Figure 42.--Stations surveyed by the U.S. chartered trawler Lets Go in the Kodiak Island and Augustine Island areas (hauls 155, 163-171, 173, 174, 246, 248-269 and 271-280).

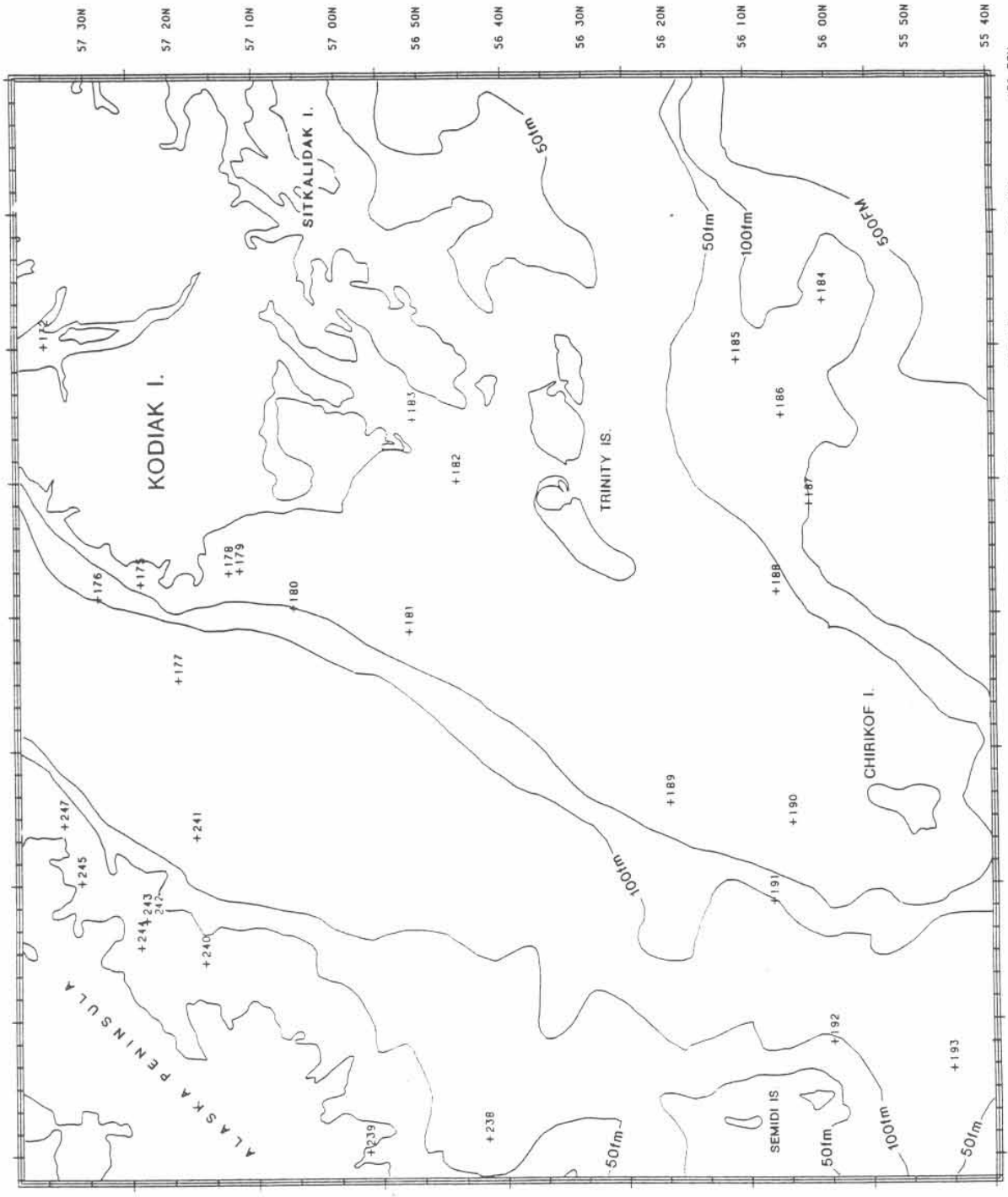


Figure 43.--Stations surveyed by the U.S. chartered trawler Lets Go in the Chirikof Island and Kodiak Island areas (hauls 172, 175-193, 238-245 and 247).

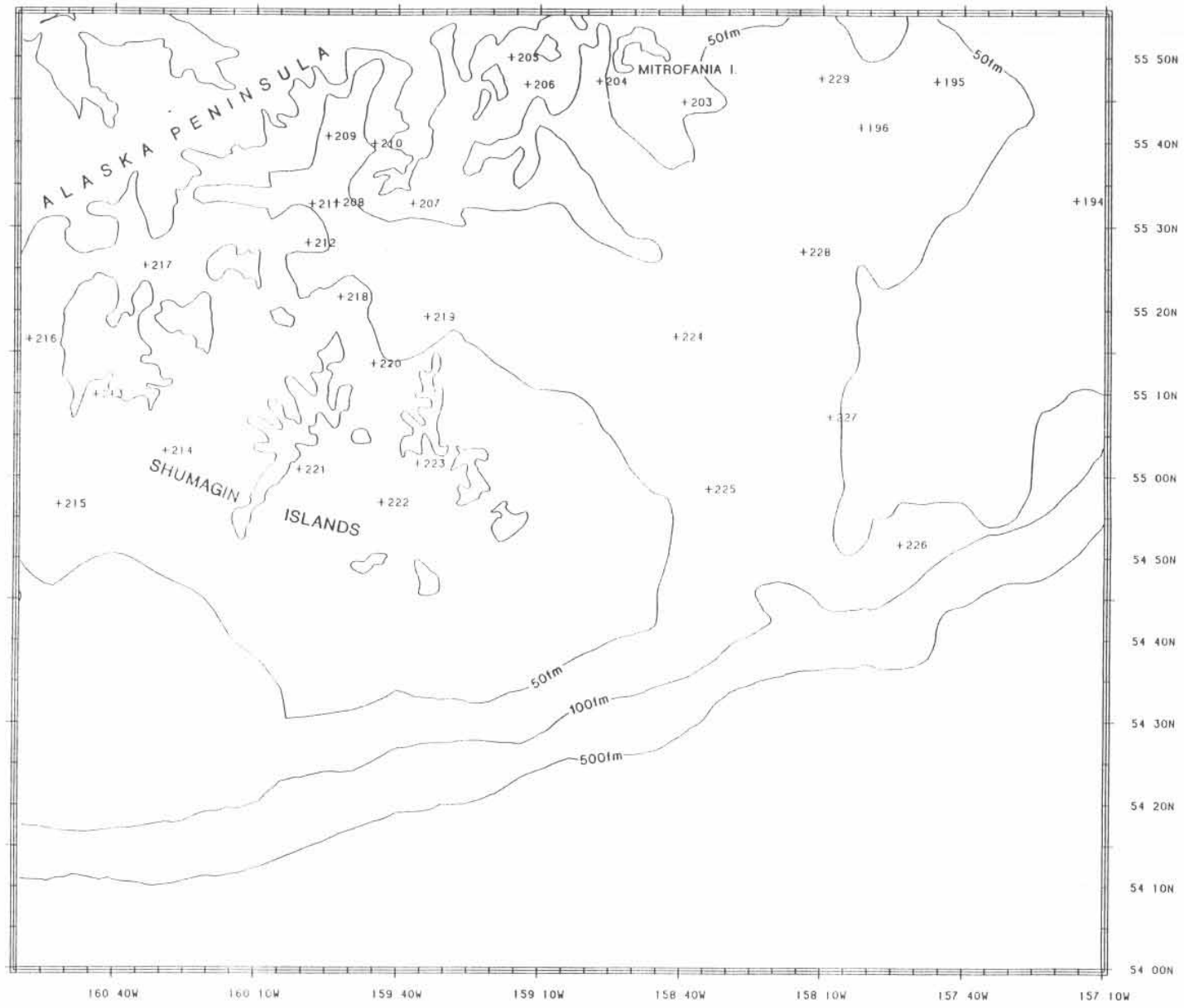


Figure 44.--Stations surveyed by the U.S. chartered trawler Lets Go in the Shumagin Islands area (hauls 194-196 and 203-229).


Figure 45.--Stations surveyed by the U.S. chartered trawler Lets Go in the Chignik Bay area (hauls 197-202 and 230-237).

Section 3 (continued)

## Fishing log for the Lets Go

Chronological listings of each attempted haul

- Each haul entry includes the latitude, longitude, loran readings, bottom depth in fathoms, duration of tow, distance fished in nautical miles and the catch in kilograms for each major species.

- Species catches are unadjusted and expressed in kilograms.

Note: Hauls 99-149 were completed in the eastern Gulf of Alaska by the Auke Bay Laboratory.

KILOGRAMS OF CATCH TAKEN BY THE LETS GO DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 5/31/87 | 5/31/87 | 5/31/87 | 5/31/87 | 6/ 1/87 | 6/ 1/87 | 6/ 1/87 | 6/ 1/87 | 6/ 1/87 | 6/ 4/87 | 6/ 5/87 |
| LATITUDE START | 53 47.9 | 53 38.2 | 53 29.2 | 53 31.1 | 53 24.9 | 53 21.4 | 53 18.6 | 53 14.3 | 53 9.9 | 54 9.9 | 54 20.0 |
| LONGITUDE START | 166 13.8 | 166 18.2 | 166 11.6 | 166 32.7 | 166 45.6 | 167 2.7 | 167 23.3 | 167 30.9 | 167 27.6 | 165 43.7 | 165 21.7 |
| LATITUDE END | 53 49.2 | 53 38.6 | 53 29.2 | 53 32.0 | 53 24.3 | 53 19.4 | 53 18.1 | 53 14.2 | 53 8.5 | 54 11.2 | 54 20.8 |
| LONGITUDE END | 166 14.6 | 166 15.9 | 166 9.1 | 166 30.9 | 166 43.2 | 167 3.0 | 167 25.7 | 167 33.8 | 167 27.7 | 165 44.9 | 165 24.2 |
| LORAN START | 17947.20 | 17892.80 | 17861.30 | 17831.50 | | 17722.00 | 17662.00 | 17621.60 | 17607.20 | 18095.90 | 18169.00 |
| LORAN START | 48289.20 | 48291.60 | 48240.00 | 48348.70 | | 48470.20 | 48558.40 | 48581.90 | 48555.90 | 48173.30 | 48068.60 |
| LORAN END | 17952.00 | 17899.00 | 17866.00 | 17839.40 | 17773.80 | 17711.60 | 17653.70 | 17614.50 | 17599.80 | 18100.50 | 18169.40 |
| LORAN END | 48296.30 | 48280.70 | 48227.50 | 48341.70 | 48377.80 | 48466.80 | 48568.10 | 48594.50 | 48552.90 | 48182.10 | 48084.10 |
| GEAR DEPTH | 37 | 45 | 75 | 47 | 46 | 48 | 28 | 35 | 52 | 44 | 44 |
| DURATION IN HOURS | 0.40 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.45 | 0.50 |
| DISTANCE FISHED | 1.40 | 1.46 | 1.50 | 1.42 | 1.56 | 1.96 | 1.55 | 1.72 | 1.40 | 1.51 | 1.67 |
| PERFORMANCE / GEAR | 0 /170 | 0 /170 | 0 /170 | 7 /170 | 7 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 |
| POLLOCK | 4.1 | 0.5 | 17.2 | 104.2 | 0.0 | 429.8 | 88.2 | 186.9 | 324.8 | 43.5 | 13.2 |
| PACIFIC COD | 10.7 | 171.7 | 88.0 | 54.0 | 0.0 | 89.6 | 1.6 | 34.0 | 16.8 | 13.6 | 324.1 |
| SABLEFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 1.6 | 149.2 | 279.4 | 36.1 | 0.0 | 30.2 | 2.0 | 0.7 | 9.5 | 3.8 | 1.6 |
| HALIBUT | 68.9 | 45.3 | 319.1 | 18.5 | 0.0 | 44.9 | 72.8 | 14.9 | 23.0 | 1.3 | 58.3 |
| FLATHEAD SOLE | 5.2 | 0.1 | 10.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.9 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REX SOLE | 0.0 | 0.1 | 0.9 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 |
| YELLOWFIN SOLE | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 2.9 | 38.8 | 23.1 | 15.9 | 0.0 | 161.3 | 106.4 | 30.2 | 27.2 | 6.1 | 6.8 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.8 | 0.5 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 1.4 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 7.7 | 7.3 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 | 5.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 7.7 | 0.0 | 5.9 |
| GRENADIERS | 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 | 0.5 | 1.4 | 1.4 | 0.0 | 4.3 | 4.1 | 1.0 | 7.3 | 2.3 | 131.1 |
| SKATES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE LETS GO DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/ 5/87 | 6/ 5/87 | 6/ 5/87 | 6/ 6/87 | 6/ 6/87 | 6/ 6/87 | 6/ 6/87 | 6/ 7/87 | 6/ 7/87 | 6/ 7/87 | 6/ 7/87 |
| LATITUDE START | 54 13.6 | 54 5.7 | 54 13.1 | 54 24.8 | 54 32.5 | 54 36.8 | 54 35.6 | 54 38.4 | 54 48.6 | 55 1.3 | 54 54.6 |
| LONGITUDE START | 165 29.8 | 165 28.3 | 165 8.8 | 164 19.4 | 164 6.6 | 163 56.9 | 163 43.1 | 163 10.0 | 162 59.7 | 163 7.4 | 162 47.9 |
| LATITUDE END | 54 13.5 | 54 6.5 | 54 12.6 | 54 23.2 | 54 31.5 | 54 36.8 | 54 35.9 | 54 38.4 | 54 47.0 | 55 0.6 | 54 55.3 |
| LONGITUDE END | 165 27.0 | 165 26.2 | 165 6.5 | 164 18.3 | 164 4.8 | 163 54.3 | 163 45.4 | 163 7.3 | 163 0.4 | 163 6.3 | 162 45.3 |
| LORAN START | 18131.00 | 18097.70 | 18154.30 | 18253.60 | 18293.70 | 18317.30 | 18323.50 | 18356.10 | 18395.70 | 18431.40 | 18420.90 |
| LORAN START | 48103.40 | 48081.30 | 47985.40 | 47717.50 | 47650.30 | 47596.50 | 47512.80 | 47314.30 | 47256.30 | 47309.90 | 47185.60 |
| LORAN END | 18133.80 | 18103.90 | 18154.90 | 18248.30 | 18291.50 | 18319.30 | 18322.90 | 18357.80 | 18390.20 | 18429.70 | 18424.10 |
| LORAN END | 48087.50 | 48071.00 | 47971.50 | 47709.50 | 47638.30 | 47580.80 | 47526.40 | 47297.80 | 47259.80 | 47302.30 | 47169.60 |
| GEAR DEPTH | 35 | 34 | 47 | 49 | 41 | 19 | 42 | 33 | 24 | 43 | 19 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.45 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.49 | 0.30 | 0.50 |
| DISTANCE FISHED | 1.66 | 1.47 | 1.46 | 1.74 | 1.48 | 1.32 | 1.33 | 1.58 | 1.66 | 1.00 | 1.62 |
| PERFORMANCE / GEAR | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 |
| POLLOCK | 0.5 | 0.0 | 7.9 | 0.1 | 1.8 | 3.2 | 258.1 | 0.2 | 5.0 | 408.2 | 0.0 |
| PACIFIC COD | 105.6 | 0.0 | 0.1 | 87.1 | 20.0 | 26.1 | 163.3 | 26.8 | 5.0 | 161.3 | 0.0 |
| SABLEFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 7.1 | 0.0 | 6.6 | 30.4 | 12.2 | 0.0 | 151.0 | 6.4 | 0.0 | 0.5 | 0.0 |
| HALIBUT | 13.7 | 1.6 | 45.6 | 71.6 | 11.6 | 56.2 | 49.9 | 9.3 | 23.4 | 42.8 | 16.2 |
| FLATHEAD SOLE | 0.1 | 0.0 | 0.0 | 3.2 | 1.4 | 0.0 | 78.5 | 0.7 | 0.0 | 161.3 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REX SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.7 | 1.1 | 0.0 | 101.2 | 3.6 | 0.5 | 445.2 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 111.1 | 0.0 | 14.5 | 0.0 | 16.8 | 78.0 |
| ROCK SOLE | 632.8 | 0.7 | 34.5 | 164.2 | 99.3 | 27.0 | 227.2 | 147.9 | 122.0 | 2.5 | 30.8 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.1 | 128.4 | 6.8 | 0.2 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.1 | 0.0 | 0.0 | 20.1 | 0.0 |
| PAC OC PERCH | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ATKA MACKEREL | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 46.8 | 0.7 | 5.9 | 3.2 | 0.5 | 1.4 | 21.3 | 0.5 | 58.2 | 24.0 | 0.7 |
| SKATES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.6 | 7.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.9 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.1 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE LETS GO DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/ 9/87 | 6/ 9/87 | 6/ 9/87 | 6/ 9/87 | 6/ 9/87 | 6/10/87 | 6/10/87 | 6/10/87 | 6/12/87 | 6/13/87 | 6/13/87 |
| LATITUDE START | 55 12.2 | 55 4.0 | 54 58.0 | 55 18.8 | 55 17.2 | 55 33.1 | 55 27.7 | 55 18.9 | 55 32.4 | 55 38.1 | 55 39.9 |
| LONGITUDE START | 162 33.9 | 162 33.3 | 162 9.1 | 161 46.8 | 161 47.8 | 161 31.2 | 161 34.8 | 161 20.8 | 160 43.6 | 159 4.4 | 158 28.8 |
| LATITUDE END | 55 11.0 | 55 2.4 | 54 57.5 | 55 17.1 | 55 19.0 | 55 31.4 | 55 26.1 | 55 18.9 | 55 31.7 | 55 36.3 | 55 40.3 |
| LONGITUDE END | 162 32.2 | 162 33.5 | 162 7.5 | 161 47.9 | 161 46.6 | 161 32.6 | 161 37.3 | 161 17.5 | 160 40.7 | 159 4.2 | 158 25.8 |
| LORAN START | 18478.90 | 18455.80 | 18449.50 | 18513.50 | 18509.20 | 18552.30 | 18538.80 | 18521.90 | 33795.50 | 33545.50 | 33460.60 |
| LORAN START | 47102.70 | 47097.20 | 46944.80 | 46803.20 | 46809.80 | 46700.80 | 46725.00 | 46637.10 | 46393.60 | 45751.60 | 45522.50 |
| LORAN END | 18476.10 | 18450.90 | 18448.80 | 18508.70 | 18514.00 | 18548.00 | 18534.20 | 18522.80 | 33791.10 | 33551.80 | 33452.60 |
| LORAN END | 47091.30 | 47098.40 | 46934.90 | 46810.60 | 46802.20 | 46709.80 | 46741.60 | 46616.50 | 46375.40 | 45752.30 | 45502.60 |
| GEAR DEPTH | 37 | 17 | 45 | 14 | 14 | 18 | 45 | 30 | 18 | 45 | 71 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.30 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 1.61 | 1.66 | 1.04 | 1.87 | 1.88 | 1.87 | 2.18 | 1.85 | 1.76 | 1.71 | 1.77 |
| PERFORMANCE / GEAR | 0 /170 | 0 /170 | 0 /170 | 5 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 |
| POLLOCK | 56.2 | 0.0 | 125.2 | 0.0 | 0.0 | 22.5 | 154.2 | 151.0 | 113.6 | 0.0 | 0.7 |
| PACIFIC COD | 103.4 | 3.2 | 8.6 | 0.0 | 10.0 | 23.8 | 41.7 | 52.6 | 95.7 | 0.1 | 114.5 |
| SABLEFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 4.5 | 0.5 | 0.0 | 2.5 |
| ARROWTOOTH FL | 0.2 | 1.4 | 10.4 | 0.0 | 0.0 | 1.1 | 24.0 | 11.3 | 17.0 | 0.0 | 219.1 |
| HALIBUT | 118.0 | 118.3 | 129.0 | 0.0 | 106.4 | 10.2 | 80.2 | 20.1 | 81.0 | 10.8 | 25.1 |
| FLATHEAD SOLE | 39.9 | 0.0 | 48.1 | 0.0 | 0.0 | 3.6 | 45.8 | 3.2 | 128.6 | 0.0 | 6.8 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REX SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 1.1 |
| YELLOWFIN SOLE | 318.0 | 58.5 | 271.7 | 0.0 | 136.1 | 205.2 | 324.3 | 74.4 | 611.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 114.3 | 52.6 | 8.6 | 0.0 | 2.7 | 27.9 | 0.0 | 0.0 | 33.6 | 0.0 | 0.0 |
| ROCK SOLE | 4.1 | 180.5 | 19.1 | 0.0 | 67.6 | 17.0 | 5.4 | 48.5 | 23.8 | 43.5 | 0.0 |
| BUTTER SOLE | 0.0 | 0.9 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 26.8 | 11.1 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.5 | 0.0 | 20.4 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 | 37.6 | 0.0 | 0.0 |
| PAC OC PERCH | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 3.6 | 3.6 | 10.9 | 0.0 | 10.4 | 0.5 | 0.9 | 11.3 | 5.1 | 0.2 | 0.0 |
| SKATES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.6 | 5.7 | 0.0 | 3.2 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 |
| PINK SHRIMP | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE LETS GO DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/13/87 | 6/13/87 | 6/14/87 | 6/14/87 | 6/14/87 | 6/14/87 | 6/19/87 | 6/20/87 | 6/20/87 | 6/21/87 | 6/21/87 |
| LATITUDE START | 55 52.2 | 55 53.7 | 56 12.8 | 56 23.8 | 56 35.7 | 56 40.4 | 58 5.2 | 57 51.1 | 58 6.6 | 58 4.5 | 58 5.0 |
| LONGITUDE START | 158 16.8 | 157 38.3 | 157 1.4 | 156 50.1 | 156 25.9 | 155 6.5 | 150 28.1 | 152 49.6 | 152 27.3 | 152 3.4 | 151 24.8 |
| LATITUDE END | 55 51.0 | 55 53.4 | 56 11.6 | 56 25.7 | 56 36.5 | 56 40.8 | 58 4.9 | 57 52.0 | 58 5.8 | 58 5.3 | 58 4.7 |
| LONGITUDE END | 158 14.5 | 157 41.3 | 157 3.8 | 156 51.2 | 156 23.3 | 155 5.7 | 150 31.5 | 152 49.6 | 152 26.5 | 152 5.9 | 151 27.6 |
| LORAN START | 33385.40 | 33298.80 | 33144.80 | 33074.90 | 32976.10 | 32812.30 | 32039.00 | 32279.60 | 32177.90 | 32157.40 | 32108.00 |
| LORAN START | 45430.50 | 45182.10 | 44917.90 | 44829.10 | 44655.60 | 44135.40 | 43090.40 | 43281.80 | 43283.80 | 43199.70 | 43134.00 |
| LORAN END | 33385.80 | 33306.40 | 33154.40 | 33069.00 | 32967.60 | 32809.20 | 32044.80 | 32275.60 | 32180.50 | 32157.00 | 32112.40 |
| LORAN END | 45417.50 | 45202.00 | 44934.90 | 44834.10 | 44637.50 | 44129.80 | 43091.00 | 43286.90 | 43276.30 | 43210.80 | 43136.20 |
| GEAR DEPTH | 44 | 54 | 50 | 62 | 114 | 32 | 99 | 14 | 26 | 72 | 71 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.17 | 0.50 | 0.27 | 0.30 | 0.45 | 0.50 |
| DISTANCE FISHED | 1.81 | 1.75 | 1.76 | 1.96 | 1.65 | 0.58 | 1.88 | 0.87 | 0.86 | 1.54 | 1.48 |
| PERFORMANCE / GEAR | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 |
| POLLOCK | 0.0 | 0.1 | 0.2 | 0.2 | 6.1 | 364.0 | 550.9 | 37.2 | 0.0 | 1951.5 | 2015.3 |
| PACIFIC COD | 0.0 | 102.3 | 5.4 | 37.6 | 11.8 | 24.0 | 98.2 | 15.0 | 180.1 | 70.2 | 184.6 |
| SABLEFISH | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 | 654.2 | 0.5 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 0.7 | 172.4 | 16.6 | 284.4 | 135.9 | 54.7 | 1205.1 | 5.4 | 0.0 | 1365.4 | 412.9 |
| HALIBUT | 127.6 | 77.7 | 11.2 | 66.8 | 12.2 | 139.0 | 78.9 | 26.4 | 26.3 | 11.4 | 135.4 |
| FLATHEAD SOLE | 0.0 | 0.0 | 0.1 | 0.2 | 17.7 | 139.5 | 62.0 | 99.8 | 5.0 | 161.5 | 19.1 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 227.2 | 0.0 | 0.0 | 7.0 | 5.7 |
| REX SOLE | 0.0 | 0.0 | 0.1 | 0.0 | 0.2 | 0.7 | 93.0 | 0.0 | 0.0 | 8.8 | 19.1 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.8 | 0.0 | 93.4 | 0.7 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 12.7 | 43.1 | 22.0 | 6.6 | 0.0 | 16.8 | 0.0 | 3.6 | 77.6 | 14.1 | 17.1 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 39.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 | 0.9 | 0.0 | 0.0 |
| GRENADIERS | 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 | 0.1 | 0.2 | 0.2 | 6.4 | 5.9 | 0.0 | 1.2 | 3.6 | 0.0 | 1.9 |
| SKATES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE LETS GO DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/21/87 | 6/21/87 | 6/26/87 | 6/26/87 | 6/26/87 | 6/27/87 | 6/30/87 | 6/30/87 | 7/ 1/87 | 7/ 1/87 | 7/ 1/87 |
| LATITUDE START | 58 11.4 | 58 14.4 | 58 7.3 | 58 18.3 | 57 58.8 | 57 43.8 | 57 7.1 | 57 6.1 | 57 6.8 | 57 6.6 | 57 6.7 |
| LONGITUDE START | 151 18.0 | 151 31.6 | 152 0.8 | 151 55.6 | 152 1.6 | 151 11.4 | 152 42.0 | 152 42.6 | 152 41.6 | 152 42.9 | 152 44.0 |
| LATITUDE END | 58 10.2 | 58 14.3 | 58 8.7 | 58 18.2 | 57 59.3 | 57 44.7 | 57 7.7 | 57 6.6 | 57 7.5 | 57 7.3 | 57 7.4 |
| LONGITUDE END | 151 20.2 | 151 34.5 | 152 2.4 | 151 58.3 | 152 4.5 | 151 11.2 | 152 41.1 | 152 41.8 | 152 40.9 | 152 42.3 | 152 43.5 |
| LORAN START | 32070.70 | 32073.00 | 32141.30 | 32083.90 | 32181.40 | 31228.90 | 32466.90 | 43196.50 | 43188.10 | 43195.30 | 43200.90 |
| LORAN START | 43158.50 | 43194.60 | 43210.70 | 43265.40 | 43159.80 | 11480.20 | 43189.20 | 32472.00 | 32467.40 | 32470.00 | 32471.40 |
| LORAN END | 32078.90 | 32076.90 | 32136.80 | 32087.20 | 32183.00 | 31233.40 | 32462.80 | 43189.80 | 43181.50 | 43189.10 | 43195.00 |
| LORAN END | 43155.00 | 43199.10 | 43223.20 | 43271.80 | 43169.50 | 11487.80 | 43181.50 | 32468.30 | 32463.40 | 32466.10 | 32467.60 |
| GEAR DEPTH | 84 | 39 | 30 | 25 | 97 | 37 | 82 | 83 | 83 | 80 | 80 |
| DURATION IN HOURS | 0.50 | 0.46 | 0.50 | 0.28 | 0.50 | 0.30 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| DISTANCE FISHED | 1.70 | 1.56 | 1.63 | 1.41 | 1.64 | 0.87 | 0.82 | 0.73 | 0.79 | 0.78 | 0.76 |
| PERFORMANCE / GEAR | 0 /170 | 1 /170 | 0 /170 | 5 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 |
| POLLOCK | 902.7 | 0.0 | 0.0 | 0.0 | 73.0 | 0.0 | 309.8 | 208.2 | 167.4 | 248.1 | 181.9 |
| PACIFIC COD | 250.7 | 3099.4 | 3.2 | 0.0 | 59.0 | 384.6 | 25.4 | 36.7 | 46.7 | 34.0 | 23.6 |
| SABLEFISH | 0.0 | 0.0 | 0.0 | 0.0 | 7.3 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 |
| ARROWTOOTH FL. | 607.0 | 0.0 | 0.0 | 0.0 | 565.2 | 0.0 | 332.5 | 224.5 | 364.7 | 224.5 | 201.8 |
| HALIBUT | 133.7 | 7.1 | 37.7 | 11.3 | 13.4 | 104.7 | 0.0 | 16.6 | 3.8 | 36.2 | 3.8 |
| FLATHEAD SOLE | 72.4 | 0.0 | 0.0 | 0.0 | 44.9 | 0.0 | 75.7 | 93.0 | 74.8 | 93.9 | 69.4 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 62.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 1.1 | 3.2 | 0.0 | 2.3 |
| REX SOLE | 15.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.2 | 0.0 | 1.8 | 1.8 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 3.9 | 0.0 | 53.5 | 0.0 | 1.8 | 54.0 | 0.1 | 0.0 | 0.1 | 0.9 | 0.5 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 20.0 | 0.0 | 0.5 | 0.0 | 1.4 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 1.4 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 23.5 | 4.4 | 0.5 | 0.0 | 1.5 | 0.5 | 0.0 | 0.0 | 10.9 | 0.0 | 1.3 |
| SKATES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | 0.9 | 3.2 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.4 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.1 | 0.4 | 0.1 | 0.7 | 1.4 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE LETS GO DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/ 1/87 | 7/ 1/87 | 7/ 1/87 | 7/ 1/87 | 7/ 1/87 | 7/ 2/87 | 7/ 2/87 | 7/ 2/87 | 7/ 2/87 | 7/ 2/87 | 7/ 2/87 |
| LATITUDE START | 57 6.1 | 57 6.3 | 57 6.5 | 57 7.0 | 57 6.5 | 56 47.2 | 56 47.0 | 56 45.9 | 56 47.5 | 56 48.3 | 56 48.3 |
| LONGITUDE START | 152 40.5 | 152 42.4 | 152 44.5 | 152 44.9 | 152 42.0 | 152 2.6 | 152 2.2 | 151 59.6 | 152 4.1 | 152 3.2 | 152 4.7 |
| LATITUDE END | 57 6.8 | 57 6.8 | 57 7.1 | 57 7.7 | 57 7.1 | 56 47.8 | 56 47.4 | 56 46.3 | 56 47.9 | 56 48.7 | 56 48.7 |
| LONGITUDE END | 152 39.8 | 152 41.7 | 152 43.9 | 152 44.4 | 152 41.3 | 152 2.0 | 152 4.0 | 152 1.5 | 152 5.8 | 152 5.1 | 152 6.5 |
| LORAN START | 43186.10 | 43194.50 | 43204.50 | 43204.00 | 43191.60 | 43153.30 | 43153.00 | 43152.30 | 43155.40 | 43149.00 | 43153.20 |
| LORAN START | 32468.70 | 32470.80 | 32473.10 | 32471.30 | 32469.20 | 32493.20 | 32493.30 | 32494.20 | 32494.10 | 32489.40 | 32491.90 |
| LORAN END | 43179.70 | 43188.70 | 43198.20 | 43198.40 | 43185.40 | 43148.60 | 43155.50 | 43154.40 | 43157.80 | 43151.50 | 43155.50 |
| LORAN END | 32464.90 | 32467.40 | 32469.40 | 32467.70 | 32465.60 | 32489.80 | 32494.30 | 32494.90 | 32495.00 | 32490.30 | 32492.60 |
| GEAR DEPTH | 86 | 83 | 80 | 79 | 83 | 54 | 54 | 53 | 53 | 52 | 53 |
| DURATION IN HOURS | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| DISTANCE FISHED | 0.75 | 0.67 | 0.73 | 0.72 | 0.71 | 0.71 | 1.03 | 1.15 | 0.97 | 1.12 | 1.08 |
| PERFORMANCE / GEAR | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 |
| POLLOCK | 335.2 | 203.7 | 330.2 | 143.8 | 166.0 | 0.0 | 0.9 | 0.0 | 0.9 | 0.0 | 0.0 |
| PACIFIC COD | 47.6 | 30.4 | 48.1 | 32.7 | 23.6 | 5.0 | 7.7 | 3259.2 | 100.2 | 81.2 | 152.9 |
| SABLEFISH | 1.4 | 1.8 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 584.7 | 178.3 | 83.5 | 206.4 | 128.8 | 46.3 | 52.6 | 97.0 | 58.1 | 78.9 | 127.9 |
| HALIBUT | 0.0 | 5.6 | 34.7 | 11.8 | 0.0 | 0.0 | 90.1 | 1.1 | 2.7 | 0.8 | 7.2 |
| FLATHEAD SOLE | 76.7 | 65.3 | 36.7 | 49.4 | 60.3 | 1.8 | 1.8 | 1.7 | 5.0 | 1.8 | 0.9 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 7.7 | 2.7 | 2.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |
| REX SOLE | 0.1 | 0.4 | 0.2 | 2.7 | 0.2 | 0.3 | 2.3 | 5.2 | 5.0 | 0.7 | 1.4 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.9 | 0.5 | 0.6 | 0.1 | 0.1 | 2.7 | 7.7 | 20.8 | 11.8 | 24.0 | 20.4 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.3 | 1.8 | 0.0 | 0.9 | 0.1 | 0.0 |
| ROUGHEYE RKFH | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 94.3 | 27.2 | 0.0 | 13.2 | 1.0 | 0.5 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 3.2 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 | 5.2 | 0.0 | 0.0 | 0.0 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 6.4 | 0.0 | 1.4 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.8 | 0.0 |
| SKATES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 1.4 | 2.3 | 0.5 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.1 | 0.1 | 0.5 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE LETS GO DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/ 2/87 | 7/ 2/87 | 7/ 2/87 | 7/ 3/87 | 7/ 3/87 | 7/ 3/87 | 7/ 4/87 | 7/ 4/87 | 7/ 4/87 | 7/ 5/87 | 7/ 5/87 |
| LATITUDE START | 56 47.5 | 56 47.4 | 56 48.1 | 56 57.8 | 57 6.4 | 57 22.4 | 57 6.3 | 57 17.7 | 57 17.6 | 57 18.0 | 57 18.0 |
| LONGITUDE START | 152 4.4 | 152 5.2 | 152 2.4 | 152 34.0 | 152 30.6 | 151 51.5 | 152 8.6 | 152 15.0 | 152 33.7 | 152 31.9 | 152 31.9 |
| LATITUDE END | 56 48.0 | 56 47.9 | 56 48.6 | 56 58.8 | 57 7.8 | 57 24.3 | 57 6.6 | 57 17.3 | 57 18.3 | 0 0.0 | 0 0.0 |
| LONGITUDE END | 152 6.1 | 152 7.0 | 152 4.2 | 152 36.9 | 152 29.1 | 151 51.5 | 152 10.1 | 152 16.5 | 152 33.2 | 0 0.0 | 0 0.0 |
| LORAN START | 43156.00 | 43158.70 | 43148.30 | 11006.90 | 43140.40 | 31173.50 | 31115.60 | 31184.10 | 31211.10 | 42998.40 | 42993.10 |
| LORAN START | 32494.40 | 32496.10 | 32489.30 | 31121.70 | 32453.20 | 11142.40 | 11054.10 | 11027.90 | 10998.10 | 32398.10 | 32392.80 |
| LORAN END | 43158.10 | 43160.80 | 43150.00 | 11007.00 | 43127.10 | 31183.40 | 31119.60 | 31184.40 | 31214.30 | 42994.00 | 42988.60 |
| LORAN END | 32495.00 | 32496.60 | 32489.60 | 31120.00 | 32445.20 | 11149.90 | 11049.60 | 11023.40 | 10998.10 | 32395.50 | 32390.40 |
| GEAR DEPTH | 54 | 55 | 53 | 86 | 63 | 37 | 43 | 39 | 57 | 53 | 51 |
| DURATION IN HOURS | 0.25 | 0.25 | 0.25 | 0.50 | 0.50 | 0.50 | 0.25 | 0.25 | 0.25 | 0.17 | 0.17 |
| DISTANCE FISHED | 1.04 | 1.10 | 1.16 | 1.88 | 1.59 | 1.60 | 0.87 | 0.92 | 0.82 | 0.54 | 0.54 |
| PERFORMANCE / GEAR | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 1 /170 | 1 /170 | 1 /170 | 1 /170 | 1 /170 | 1 /170 |
| POLLOCK | 1.4 | 2.3 | 0.0 | 0.0 | 2078.4 | 0.1 | 0.0 | 0.0 | 847.8 | 3006.4 | 166.0 |
| PACIFIC COD | 151.5 | 31.8 | 528.9 | 4.1 | 14.6 | 18.1 | 0.0 | 0.0 | 41.7 | 0.0 | 53.5 |
| SABLEFISH | 0.0 | 0.0 | 0.0 | 21.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 83.5 | 93.4 | 60.3 | 1012.4 | 669.3 | 0.0 | 0.0 | 2.0 | 276.7 | 98.4 | 59.0 |
| HALIBUT | 37.2 | 3.8 | 5.7 | 97.2 | 65.5 | 224.6 | 64.9 | 0.0 | 4.5 | 2.5 | 58.7 |
| FLATHEAD SOLE | 0.9 | 1.6 | 1.4 | 146.5 | 73.0 | 0.0 | 0.0 | 0.0 | 228.2 | 65.6 | 116.1 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 5.0 | 12.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REX SOLE | 4.1 | 9.5 | 0.0 | 7.3 | 9.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 19.1 | 75.7 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 11.3 | 0.0 | 16.3 |
| ROCK SOLE | 9.5 | 9.5 | 12.2 | 0.9 | 12.2 | 135.2 | 50.3 | 97.5 | 3.2 | 8.2 | 19.5 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | 10.4 | 8.2 | 33.1 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.7 | 0.0 | 2.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 58.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 6.8 | 0.7 | 17.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.5 | 0.0 | 0.0 | 0.3 | 3.6 | 0.3 | 0.0 | 0.1 | 3.6 | 0.0 | 1.4 |
| SKATES | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | 0.0 | 0.0 | 18.6 | 0.0 | 5.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 7.3 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE LETS GO DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/ 5/87 | 7/ 5/87 | 7/ 5/87 | 7/ 5/87 | 7/ 6/87 | 7/ 6/87 | 7/ 6/87 | 7/ 6/87 | 7/ 6/87 | 7/ 6/87 | 7/ 6/87 |
| LATITUDE START | 57 18.0 | 57 18.0 | 57 18.0 | 57 18.0 | 57 32.7 | 57 32.5 | 57 32.5 | 57 32.8 | 57 33.0 | 57 32.4 | 57 32.3 |
| LONGITUDE START | 152 30.0 | 152 30.0 | 152 30.0 | 152 30.0 | 150 18.0 | 150 17.3 | 150 16.7 | 150 18.7 | 150 17.4 | 150 16.8 | 150 16.7 |
| LATITUDE END | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 57 32.1 | 57 31.9 | 57 31.8 | 57 32.1 | 57 31.7 | 57 31.2 | 57 30.9 |
| LONGITUDE END | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | 150 18.8 | 150 18.0 | 150 17.4 | 150 19.3 | 150 18.8 | 150 18.6 | 150 18.1 |
| LORAN START | 42948.20 | 43009.00 | 43018.90 | 43021.10 | 32166.00 | 32166.30 | 32165.50 | 32166.50 | 32164.30 | 32166.00 | 32166.30 |
| LORAN START | 32404.10 | 32406.50 | 32408.10 | 32409.80 | 43008.30 | 43008.00 | 43008.00 | 43008.40 | 43008.60 | 43007.90 | 43007.80 |
| LORAN END | 42945.60 | 43005.00 | 43014.60 | 43016.70 | 32169.50 | 32169.60 | 32168.90 | 32170.10 | 32171.30 | 32173.00 | 32173.60 |
| LORAN END | 32401.80 | 32404.10 | 32405.70 | 32407.10 | 43007.60 | 43007.30 | 43007.30 | 43007.60 | 43007.10 | 43006.60 | 43006.30 |
| GEAR DEPTH | 56 | 56 | 52 | 54 | 132 | 140 | 145 | 123 | 134 | 145 | 151 |
| DURATION IN HOURS | 0.17 | 0.17 | 0.17 | 0.17 | 0.25 | 0.25 | 0.25 | 0.25 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 0.54 | 0.54 | 0.54 | 0.54 | 0.75 | 0.70 | 0.72 | 0.76 | 1.49 | 1.52 | 1.55 |
| PERFORMANCE / GEAR | 1 /170 | 1 /170 | 1 /170 | 1 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 |
| POLLOCK | 3473.5 | 4332.8 | 3589.4 | 6969.0 | 49.9 | 14.5 | 6.4 | 82.1 | 8.2 | 51.3 | 28.6 |
| PACIFIC COD | 13.8 | 37.1 | 40.9 | 0.0 | 5.4 | 0.0 | 0.0 | 0.0 | 24.0 | 5.4 | 5.9 |
| SABLEFISH | 0 0 | 0.0 | 5.9 | 0.0 | 140.2 | 110.2 | 68.5 | 2.7 | 49.4 | 124.7 | 103.9 |
| ARROWTOOTH FL | 25.4 | 175.0 | 70.0 | 28.6 | 33.1 | 37.6 | 44.9 | 12.7 | 131.5 | 40.4 | 50.3 |
| HALIBUT | 4.0 | 53.5 | 0.0 | 21.0 | 0.0 | 0.0 | 54.5 | 0.0 | 20.5 | 0.0 | 6.6 |
| FLATHEAD SOLE | 142.9 | 318.2 | 119.7 | 104.7 | 3.2 | 1.4 | 1.4 | 4.1 | 3.2 | 0.5 | 0.9 |
| ENGLISH SOLE | 0 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 31.3 | 33.6 | 69.9 | 57.6 | 57.2 | 81.2 | 74.8 |
| REX SOLE | 0.0 | 0.0 | 2.0 | 0.0 | 24.0 | 22.2 | 34.0 | 28.1 | 59.9 | 24.0 | 33.1 |
| YELLOWFIN SOLE | 5.3 | 42.4 | 46.7 | 57.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 6.9 | 217.5 | 81.7 | 76.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BUTTER SOLE | 2.3 | 15.9 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 0.0 | 83.0 | 96.6 | 43.1 | 5.0 | 289.8 | 133.8 | 108.9 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 2.7 | 0.0 | 2.7 | 6.8 | 2.7 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 40.8 | 49.4 | 44.0 | 6.4 | 53.1 | 58.1 | 83.5 |
| NORTHERN RKFH | 0 0 | 0.0 | 0.0 | 0.0 | 5.4 | 3.2 | 1.8 | 0.0 | 2.7 | 0.9 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | 0.0 | 2.7 | 1.4 | 1.4 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0 0 | 212.1 | 4.4 | 0.0 | 5.5 | 11.8 | 9.5 | 11.4 | 8.3 | 9.3 | 12.8 |
| SKATES | 0.0 | 31.8 | 116.7 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0 0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| SIDE STRIPE SHRIMP | 0 0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| SCALLOP | 0 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Note: Hauls 99-149 were completed in the eastern Gulf of Alaska by the Auke Bay Laboratory.

KILOGRAMS OF CATCH TAKEN BY THE LETS GO DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/ 6/87 | 7/ 7/87 | 7/ 7/87 | 7/ 7/87 | 7/ 7/87 | 7/ 7/87 | 7/ 7/87 | 7/ 7/87 | 7/ 8/87 | 7/ 8/87 | 7/31/87 |
| LATITUDE START | 57 33.2 | 57 27.1 | 57 29.4 | 57 30.2 | 57 29.3 | 57 29.4 | 57 30.3 | 57 30.8 | 58 40.8 | 58 45.4 | 59 51.8 |
| LONGITUDE START | 150 17.6 | 150 19.0 | 150 18.9 | 150 19.0 | 150 21.1 | 150 19.5 | 150 17.5 | 150 18.6 | 150 8.5 | 149 59.8 | 149 28.3 |
| LATITUDE END | 57 32.1 | 57 26.5 | 57 28.8 | 57 29.7 | 57 28.6 | 57 28.7 | 57 29.4 | 57 29.8 | 58 39.7 | 58 46.7 | 59 52.9 |
| LONGITUDE END | 150 19.5 | 150 19.5 | 150 18.6 | 150 17.8 | 150 19.2 | 150 18.5 | 150 15.9 | 150 17.0 | 150 6.9 | 150 2.3 | 149 26.8 |
| LORAN START | 32163.40 | 32190.60 | 32180.90 | 32177.50 | 32183.30 | 32181.60 | 32175.40 | 32174.60 | 31861.50 | 31832.00 | 13119.20 |
| LORAN START | 43008.90 | 43002.90 | 43004.80 | 43005.60 | 43004.70 | 43004.80 | 43005.70 | 43006.20 | 43223.20 | 43235.50 | 31874.00 |
| LORAN END | 32170.60 | 32193.60 | 32182.90 | 32178.30 | 32184.10 | 32183.30 | 32177.00 | 32176.90 | 31865.00 | 31829.00 | 13136.40 |
| LORAN END | 43007.50 | 43002.50 | 43004.30 | 43005.10 | 43004.00 | 43004.20 | 43004.90 | 43005.20 | 43216.60 | 43243.40 | 31880.00 |
| GEAR DEPTH | 123 | 191 | 177 | 171 | 174 | 172 | 174 | 172 | 77 | 92 | 145 |
| DURATION IN HOURS | 0.50 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 1.56 | 0.64 | 0.59 | 0.84 | 1.48 | 0.88 | 1.26 | 1.38 | 1.41 | 1.78 | 1.39 |
| PERFORMANCE / GEAR | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /171 |
| POLLOCK | 146.1 | 0.0 | 10.4 | 14.5 | 33.1 | 196.4 | 15.4 | 18.1 | 1.8 | 26.4 | 53.8 |
| PACIFIC COD | 16.8 | 0.0 | 0.0 | 3.6 | 1.8 | 14.1 | 0.0 | 4.5 | 14.5 | 6.1 | 17.2 |
| SABLEFISH | 1.8 | 247.7 | 157.8 | 93.0 | 55.8 | 108.4 | 127.9 | 51.3 | 66.2 | 328.7 | 14.3 |
| ARROWTOOTH FL. | 58.5 | 7.7 | 19.5 | 43.1 | 51.3 | 98.4 | 21.3 | 37.2 | 129.3 | 590.2 | 16.1 |
| HALIBUT | 39.8 | 0.0 | 13.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.8 | 77.4 | 22.6 |
| FLATHEAD SOLE | 7.7 | 1.4 | 0.0 | 0.1 | 0.2 | 0.4 | 0.7 | 1.8 | 55.8 | 1.0 | 57.8 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 18.6 | 99.3 | 59.9 | 59.0 | 47.2 | 54.0 | 75.7 | 37.2 | 32.7 | 6.1 | 0.0 |
| REX SOLE | 40.8 | 13.6 | 23.6 | 22.7 | 33.1 | 42.2 | 27.2 | 34.5 | 27.7 | 23.4 | 5.0 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 14.1 | 4.5 | 27.2 | 35.4 | 35.4 | 48.5 | 13.2 | 21.8 | 0.0 | 10.2 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 15.4 | 18.1 | 24.0 | 57.2 | 31.3 | 55.3 | 27.2 | 1.4 | 29.5 | 6.1 |
| THORNYHEADS | 7.7 | 21.3 | 54.4 | 55.3 | 45.8 | 32.7 | 39.9 | 38.6 | 0.5 | 0.4 | 0.0 |
| NORTHERN RKFH | 4.5 | 0.0 | 0.0 | 0.5 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 22.2 | 12.2 | 3.6 | 0.0 | 13.2 | 26.3 | 3.6 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 6.6 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 54.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.0 | 0.1 | 0.9 | 5.5 | 3.3 | 0.0 | 0.1 | 0.2 | 11.8 | 24.4 | 1.4 |
| SKATES | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.9 | 16.3 | 0.0 |
| SIDE STRIPE SHRIMP | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 3.2 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE LETS GO DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160 | 161 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/31/87 | 7/31/87 | 8/ 1/87 | 8/ 1/87 | 8/ 1/87 | 8/ 1/87 | 8/ 1/87 | 8/ 2/87 | 8/ 2/87 | 8/ 2/87 | 8/ 2/87 |
| LATITUDE START | 59 41.1 | 59 21.3 | 59 6.4 | 59 2.8 | 58 59.9 | 58 52.1 | 58 54.2 | 58 49.3 | 58 44.6 | 58 34.1 | 58 25.0 |
| LONGITUDE START | 149 52.5 | 150 31.4 | 151 4.4 | 151 40.8 | 151 57.2 | 151 36.5 | 150 53.0 | 150 26.4 | 150 52.9 | 151 26.3 | 151 34.5 |
| LATITUDE END | 59 39.6 | 59 20.3 | 59 6.3 | 59 2.6 | 58 59.8 | 58 52.3 | 58 53.6 | 58 48.2 | 58 44.1 | 58 35.6 | 58 25.5 |
| LONGITUDE END | 149 52.9 | 150 34.0 | 151 1.5 | 151 40.4 | 151 56.7 | 151 39.7 | 150 50.3 | 150 24.5 | 150 55.8 | 151 26.5 | 151 37.4 |
| LORAN START | 12924.00 | 12584.00 | 12318.20 | 12167.90 | 12092.70 | 12065.80 | 12229.60 | 12277.70 | 12131.10 | 31975.60 | 32027.50 |
| LORAN START | 31829.90 | 31747.20 | 31694.00 | 31711.90 | 31713.00 | 31646.90 | 31609.00 | 31546.70 | 31552.00 | 43296.30 | 43259.90 |
| LORAN END | 12907.40 | 12515.20 | 12326.40 | 12166.70 | 12092.40 | 12059.00 | 12232.20 | 12273.90 | 12115.80 | 31968.80 | 32028.30 |
| LORAN END | 31820.80 | 31739.00 | 31690.00 | 31710.40 | 31711.70 | 31651.80 | 31601.90 | 31537.50 | 31553.00 | 43305.00 | 43268.80 |
| GEAR DEPTH | 112 | 159 | 78 | 79 | 108 | 70 | 80 | 85 | 98 | 86 | 106 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.10 | 0.13 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 1.52 | 1.50 | 1.51 | 0.27 | 0.29 | 1.68 | 1.53 | 1.49 | 1.60 | 1.49 | 1.62 |
| PERFORMANCE / GEAR | 0 /171 | 0 /171 | 0 /171 | 5 /171 | 5 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 |
| POLLOCK | 182.3 | 0.9 | 176.0 | 176.0 | 0.0 | 1.8 | 9.8 | 9.5 | 10.0 | 80.7 | 26.8 |
| PACIFIC COD | 54.9 | 19.7 | 41.7 | 41.7 | 0.0 | 2.3 | 80.1 | 58.1 | 17.7 | 56.2 | 29.5 |
| SABLEFISH | 0.0 | 17.7 | 20.4 | 20.4 | 0.0 | 0.0 | 52.6 | 259.0 | 35.2 | 75.1 | 82.8 |
| ARROWTOOTH FL. | 794.5 | 56.0 | 203.7 | 203.7 | 0.0 | 257.6 | 218.9 | 405.7 | 63.5 | 314.1 | 341.1 |
| HALIBUT | 45.5 | 8.0 | 91.8 | 91.8 | 0.0 | 12.2 | 96.1 | 22.5 | 36.8 | 24.0 | 44.5 |
| FLATHEAD SOLE | 200.9 | 62.8 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.2 | 0.9 | 0.9 | 23.4 |
| ENGLISH SOLE | 0.9 | 0.9 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 2.3 | 1.4 | 4.3 | 4.3 | 0.0 | 0.0 | 26.8 | 10.4 | 19.5 | 5.9 | 93.0 |
| REX SOLE | 6.8 | 4.5 | 3.6 | 3.6 | 0.0 | 0.0 | 11.6 | 8.8 | 22.2 | 9.1 | 27.7 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 3.6 | 3.6 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 2.3 | 4.5 | 1.4 | 0.7 | 0.5 |
| ROUGHEYE RKFH | 12.7 | 15.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.1 | 1.4 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY ROCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.8 | 1.8 | 0.0 | 0.0 | 0.9 | 1.4 |
| SHORTRAKER RF | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.5 | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.1 | 8.9 | 0.1 | 0.1 | 0.0 | 4.9 | 9.8 | 0.7 | 7.5 | 2.3 | 3.4 |
| SKATES | 0.0 | 13.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 4.3 | 4.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 1.6 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 3.4 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE LETS GO DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 8/ 2/87 | 8/ 3/87 | 8/ 3/87 | 8/ 3/87 | 8/ 3/87 | 8/ 4/87 | 8/ 4/87 | 8/ 4/87 | 8/ 4/87 | 8/ 4/87 | 8/ 5/87 |
| LATITUDE START | 58 27.9 | 58 34.5 | 58 32.7 | 58 27.5 | 58 23.3 | 58 12.6 | 57 55.6 | 57 59.5 | 57 52.2 | 57 41.3 | 57 34.9 |
| LONGITUDE START | 151 48.0 | 152 3.9 | 153 0.4 | 153 17.9 | 153 2.3 | 153 6.6 | 153 17.7 | 153 33.3 | 154 7.9 | 154 7.6 | 153 54.3 |
| LATITUDE END | 58 28.4 | 58 35.9 | 58 31.8 | 58 27.1 | 58 22.0 | 58 13.9 | 57 56.7 | 57 58.7 | 57 51.9 | 57 40.6 | 57 35.6 |
| LONGITUDE END | 151 50.7 | 152 4.7 | 153 2.9 | 153 14.9 | 153 4.0 | 153 8.7 | 153 19.9 | 153 35.8 | 154 10.8 | 154 5.0 | 153 54.5 |
| LORAN START | 32029.70 | 32016.60 | 32092.70 | 32140.60 | 32141.80 | 32199.00 | 32296.60 | 32299.30 | 32384.20 | 32436.60 | 32447.40 |
| LORAN START | 43305.50 | 43385.90 | 43572.60 | 43621.30 | 43526.90 | 43486.60 | 43455.80 | 43562.00 | 43747.90 | 43720.80 | 43623.00 |
| LORAN END | 32030.20 | 32010.70 | 32100.30 | 32138.80 | 32150.30 | 32196.30 | 32294.70 | 32307.00 | 32389.80 | 32436.00 | 32444.50 |
| LORAN END | 43315.20 | 43396.80 | 43578.00 | 43605.40 | 43526.50 | 43502.60 | 43473.00 | 43573.40 | 43765.50 | 43702.80 | 43624.80 |
| GEAR DEPTH | 113 | 75 | 88 | 98 | 106 | 73 | 94 | 55 | 112 | 31 | 77 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.20 |
| DISTANCE FISHED | 1.52 | 1.49 | 1.60 | 1.60 | 1.56 | 1.55 | 1.57 | 1.61 | 1.57 | 1.53 | 0.66 |
| PERFORMANCE / GEAR | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 |
| POLLOCK | 5.9 | 3.6 | 24.9 | 41.5 | 64.9 | 172.1 | 194.4 | 3.8 | 258.3 | 835.3 | 67.6 |
| PACIFIC COD | 89.1 | 0.5 | 4.8 | 31.5 | 15.6 | 73.9 | 27.9 | 78.7 | 1.8 | 114.3 | 26.3 |
| SABLEFISH | 283.9 | 7.0 | 8.8 | 20.0 | 2.0 | 0.0 | 0.0 | 993.5 | 33.3 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 316.6 | 59.6 | 155.6 | 155.6 | 97.1 | 231.1 | 198.2 | 92.0 | 76.7 | 13.6 | 36.3 |
| HALIBUT | 14.4 | 0.0 | 8.6 | 5.4 | 0.0 | 12.6 | 29.6 | 10.0 | 0.0 | 378.5 | 0.0 |
| FLATHEAD SOLE | 32.7 | 0.0 | 27.0 | 53.5 | 22.2 | 218.6 | 96.4 | 5.0 | 28.6 | 0.5 | 194.8 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 22.7 | 1.8 | 6.6 | 2.3 | 0.9 | 2.3 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 |
| REX SOLE | 18.1 | 6.4 | 0.5 | 0.1 | 0.0 | 0.0 | 0.2 | 2.0 | 0.9 | 0.0 | 0.1 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 1.8 | 0.2 | 0.0 | 0.0 | 0.0 | 1.1 | 0.2 | 2.9 | 0.0 | 70.1 | 0.1 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 |
| 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 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 2.7 | 2.0 | 0.7 | 0.0 | 0.0 | 7.3 | 2.5 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 9.1 | 0.9 | 0.6 | 0.7 | 0.1 | 10.9 | 0.0 | 0.6 | 0.1 | 3.6 | 5.9 |
| SKATES | 4.1 | 0.0 | 19.0 | 0.0 | 0.0 | 21.5 | 10.0 | 0.0 | 0.0 | 6.8 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | 20.9 | 6.8 | 0.0 | 0.0 | 0.0 | 1.1 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.8 | 0.0 | 0.2 | 0.2 | 0.5 | 0.1 | 0.0 | 0.0 | 8.6 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE LETS GO DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 | 181 | 182 | 183 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/ 5/87 | 6/ 5/87 | 6/ 6/87 | 6/ 6/87 | 6/ 7/87 | 6/ 7/87 | 6/ 7/87 | 6/ 7/87 | 6/ 7/87 | 6/ 7/87 | 6/ 8/87 |
| LATITUDE START | 57 40.5 | 57 39.8 | 57 23.7 | 57 28.7 | 57 19.2 | 57 13.1 | 57 11.8 | 57 5.3 | 56 51.4 | 56 45.7 | 56 50.9 |
| LONGITUDE START | 154 19.2 | 154 32.0 | 154 47.7 | 154 50.9 | 155 9.1 | 154 45.1 | 154 44.6 | 154 53.1 | 154 58.5 | 154 24.8 | 154 10.9 |
| LATITUDE END | 57 39.6 | 57 39.3 | 57 24.5 | 57 28.9 | 57 18.4 | 57 12.8 | 57 10.5 | 57 4.8 | 56 50.7 | 56 45.3 | 56 49.3 |
| LONGITUDE END | 154 21.5 | 154 34.6 | 154 47.8 | 154 53.6 | 155 11.6 | 154 44.7 | 154 44.2 | 154 54.7 | 154 59.6 | 154 22.1 | 154 11.2 |
| LORAN START | 32457.90 | 32480.60 | 32582.80 | 32563.50 | 32638.70 | 32628.50 | 32633.80 | 32677.70 | 32749.70 | 32719.20 | 32673.80 |
| LORAN START | 43795.60 | 43878.30 | 43969.70 | 43992.90 | 44112.20 | 43954.20 | 43951.70 | 44012.50 | 44064.90 | 43862.00 | 43763.20 |
| LORAN END | 32465.80 | 32487.10 | 32579.00 | 32566.90 | | 32629.00 | 32639.20 | 32682.60 | 32755.00 | 32716.50 | 32681.00 |
| LORAN END | 43809.10 | 43894.70 | 43970.50 | 44011.00 | | 43951.40 | 43949.50 | 44023.70 | 44073.70 | 43846.10 | 43768.70 |
| GEAR DEPTH | 84 | 118 | 39 | 115 | 131 | 38 | 39 | 55 | 41 | 33 | 29 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.11 | 0.50 | 0.33 | 0.33 | 0.50 | 0.50 |
| DISTANCE FISHED | 1.53 | 1.49 | 0.83 | 1.47 | 1.61 | 0.35 | 1.35 | 1.01 | 0.98 | 1.54 | 1.55 |
| PERFORMANCE / GEAR | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 5 /171 | 1 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 |
| POLLOCK | 9.1 | 168.7 | 0.0 | 324.1 | 77.6 | 0.0 | 0.0 | 0.0 | 969.6 | 8.2 | 15.6 |
| PACIFIC COD | 0.0 | 35.4 | 94.8 | 96.6 | 22.2 | 1.8 | 1.1 | 439.2 | 116.8 | 3.6 | 12.7 |
| SABLEFISH | 13.2 | 40.1 | 185.1 | 117.0 | 74.4 | 0.0 | 0.0 | 24.2 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 127.5 | 215.5 | 44.2 | 319.3 | 201.4 | 4.3 | 4.3 | 2040.4 | 1186.1 | 44.2 | 47.9 |
| HALIBUT | 0.0 | 0.0 | 51.0 | 0.0 | 13.9 | 11.6 | 11.6 | 22.2 | 59.4 | 40.3 | 96.1 |
| FLATHEAD SOLE | 25.9 | 116.1 | 14.5 | 1.4 | 40.4 | 0.0 | 0.0 | 6.8 | 100.9 | 103.4 | 84.8 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 5.0 | 1.1 | 0.0 | 0.0 | 0.0 | 7.6 | 47.6 | 0.0 | 0.0 |
| REX SOLE | 0.7 | 0.0 | 0.9 | 1.4 | 0.1 | 0.1 | 0.1 | 2.3 | 13.6 | 0.0 | 0.5 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 6.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23.1 | 94.8 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 10.0 | 0.0 | 0.0 | 12.7 | 12.7 | 9.1 | 24.9 | 1.8 | 2.3 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.9 | 0.0 | 0.0 |
| PAC OC PERCH | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.7 | 13.6 | 0.0 | 5.9 | 7.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | 4.5 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 71.5 | 0.0 | 0.0 | 2.7 | 2.7 | 0.0 | 20.4 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.0 | 1.5 | 3.9 | 4.1 | 0.2 | 0.0 | 0.0 | 0.0 | 2.3 | 19.5 | 8.2 |
| SKATES | 0.0 | 0.0 | 0.0 | 0.0 | 12.5 | 0.0 | 0.0 | 0.0 | 0.0 | 77.3 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 408.2 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.1 | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 43.3 | 4.5 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 1.8 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE LETS GO DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 8/ 9/87 | 8/ 9/87 | 8/ 9/87 | 8/ 9/87 | 8/ 9/87 | 8/10/87 | 8/10/87 | 8/10/87 | 8/11/87 | 8/11/87 | 8/11/87 |
| LATITUDE START | 56 0.6 | 56 11.1 | 56 5.7 | 56 2.2 | 56 6.4 | 56 19.7 | 56 4.6 | 56 6.9 | 55 59.7 | 55 45.0 | 55 33.1 |
| LONGITUDE START | 153 44.9 | 153 58.1 | 154 10.4 | 154 30.4 | 154 50.1 | 155 36.6 | 155 41.4 | 155 59.0 | 156 30.2 | 156 36.0 | 157 16.2 |
| LATITUDE END | 56 1.2 | 56 12.6 | 56 4.1 | 56 2.7 | 56 7.4 | 56 21.2 | 56 4.0 | 56 8.5 | 55 58.0 | 55 44.7 | 55 33.5 |
| LONGITUDE END | 153 42.5 | 153 57.3 | 154 10.9 | 154 33.1 | 154 52.4 | 155 35.7 | 155 43.9 | 155 58.8 | 156 30.9 | 156 33.4 | 157 17.5 |
| LORAN START | 32839.10 | 32819.30 | 32861.90 | 32909.80 | 32927.10 | 32955.60 | 33027.00 | 33049.80 | 33138.90 | 33209.30 | 33335.50 |
| LORAN START | 43788.20 | 43814.90 | 43901.00 | 44022.30 | 44120.40 | 44368.80 | 44431.00 | 44533.70 | 44742.50 | 44808.00 | 45077.80 |
| LORAN END | 32832.60 | 32812.10 | 32868.80 | 32912.40 | 32927.30 | 32947.20 | 33034.00 | 33043.00 | 33147.10 | 33205.50 | 33337.00 |
| LORAN END | 43773.80 | 43805.50 | 43909.20 | 44035.50 | 44131.10 | 44358.50 | 44447.90 | 44529.50 | 44750.20 | 44792.80 | 45085.40 |
| GEAR DEPTH | 38 | 93 | 56 | 110 | 45 | 38 | 30 | 103 | 106 | 126 | 49 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.25 |
| DISTANCE FISHED | 1.49 | 1.55 | 1.55 | 1.58 | 1.62 | 1.62 | 1.54 | 1.58 | 1.72 | 1.50 | 0.81 |
| PERFORMANCE / GEAR | 1 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 |
| POLLOCK | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 | 82.2 | 3.2 | 1.8 | 0.4 |
| PACIFIC COD | 0.0 | 62.6 | 0.0 | 45.1 | 628.0 | 173.0 | 0.0 | 157.1 | 18.1 | 40.8 | 0.0 |
| SABLEFISH | 0.0 | 127.9 | 0.0 | 52.8 | 0.0 | 0.0 | 0.0 | 116.8 | 13.2 | 77.1 | 0.0 |
| ARROWTOOTH FL. | 0.0 | 488.1 | 7.0 | 391.7 | 30.4 | 10.7 | 0.0 | 940.7 | 129.5 | 151.7 | 0.0 |
| HALIBUT | 94.1 | 12.2 | 72.7 | 22.8 | 69.3 | 39.2 | 115.8 | 17.2 | 0.0 | 16.2 | 16.5 |
| FLATHEAD SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | 1.1 | 0.9 | 9.5 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 150.3 | 21.3 | 0.9 | 0.0 |
| REX SOLE | 0.0 | 0.9 | 5.9 | 9.3 | 0.7 | 0.0 | 0.0 | 104.9 | 68.9 | 85.7 | 0.0 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 25.6 | 0.0 | 324.3 | 348.6 | 6.8 | 1.7 | 0.0 | 0.0 | 11.8 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 26.8 | 191.6 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 467.9 | 2.7 | 0.0 | 0.0 | 52.2 | 8.6 | 2.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.3 | 2.3 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 3943.2 | 0.0 | 55.1 | 5.4 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 271.7 | 0.0 | 3.6 | 3.6 | 0.0 | 2.3 | 0.0 | 17.0 | 11.1 | 1.4 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 0.0 | 0.0 | 1.8 | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 0.0 | 0.0 | 8.7 | 0.8 | 1.4 |
| SKATES | 0.0 | 18.1 | 0.0 | 10.0 | 39.5 | 26.5 | 38.8 | 0.0 | 0.1 | 0.0 | 0.1 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE LETS GO DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 8/11/87 | 8/11/87 | 8/12/87 | 8/12/87 | 8/13/87 | 8/13/87 | 8/13/87 | 8/14/87 | 8/14/87 | 8/14/87 | 8/14/87 |
| LATITUDE START | 55 47.2 | 55 41.8 | 56 13.0 | 56 25.2 | 56 26.4 | 56 23.2 | 56 15.1 | 55 57.1 | 55 44.8 | 55 47.2 | 55 50.0 |
| LONGITUDE START | 157 45.9 | 158 2.0 | 158 20.5 | 158 0.9 | 158 20.3 | 157 48.5 | 158 9.0 | 158 25.8 | 158 39.5 | 158 57.5 | 159 16.2 |
| LATITUDE END | 55 48.2 | 55 40.8 | 56 13.5 | 56 25.9 | 56 25.2 | 56 37.9 | 56 15.1 | 55 55.6 | 55 43.5 | 55 48.9 | 55 48.9 |
| LONGITUDE END | 157 48.1 | 158 4.2 | 158 18.0 | 158 3.6 | 158 21.8 | 158 19.1 | 158 11.1 | 158 26.8 | 158 41.0 | 158 58.1 | 159 14.5 |
| LORAN START | 33341.00 | 33396.00 | 33305.30 | 18670.90 | 33244.80 | 33192.80 | 33272.00 | 33384.50 | 33464.10 | 33493.70 | 33523.90 |
| LORAN START | 45240.20 | 45349.60 | 45431.40 | 45290.50 | 45417.00 | 45410.40 | 45353.70 | 45482.60 | 45584.70 | 45698.00 | 45816.10 |
| LORAN END | 33341.60 | 33404.50 | 33297.80 | 33212.30 | 33253.70 | 33189.20 | 33276.20 | 33392.70 | 33472.50 | 33488.40 | 33524.60 |
| LORAN END | 45252.70 | 45364.90 | 45414.10 | 45307.20 | 45428.40 | 45400.20 | 45367.30 | 45491.00 | 45595.80 | 45700.20 | 45805.80 |
| GEAR DEPTH | 69 | 68 | 40 | 96 | 17 | 154 | 59 | 41 | 46 | 71 | 42 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.47 | 0.50 | 0.25 | 0.36 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 1.58 | 1.59 | 1.51 | 1.65 | 1.51 | 0.65 | 1.16 | 1.55 | 1.54 | 1.67 | 1.50 |
| PERFORMANCE / GEAR | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 |
| POLLOCK | 5.9 | 137.4 | 981.3 | 807.4 | 0.0 | 110.0 | 419.6 | 0.0 | 0.0 | 1024.7 | 219.1 |
| PACIFIC COD | 190.7 | 76.2 | 37.8 | 85.0 | 0.1 | 78.7 | 31.8 | 2.5 | 29.5 | 1.6 | 29.9 |
| SABLEFISH | 5.9 | 9.1 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 362.9 | 321.6 | 158.8 | 81.6 | 0.0 | 119.7 | 104.3 | 18.1 | 18.6 | 53.5 | 85.0 |
| HALIBUT | 78.7 | 78.7 | 318.1 | 21.9 | 95.4 | 8.3 | 139.3 | 55.2 | 42.0 | 0.0 | 13.1 |
| FLATHEAD SOLE | 28.1 | 24.9 | 347.8 | 234.7 | 0.0 | 23.6 | 432.0 | 0.0 | 0.0 | 19.5 | 173.5 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REX SOLE | 29.5 | 12.7 | 0.0 | 17.0 | 0.0 | 0.4 | 1.1 | 0.0 | 0.0 | 0.0 | 0.5 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 347.8 | 0.0 | 0.2 | 0.0 | 3.4 | 0.0 | 0.0 | 0.0 | 101.8 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 1.4 | 0.0 | 8.3 | 0.6 | 28.1 | 1.4 | 0.0 | 78.9 | 33.3 | 2.7 | 28.1 |
| BUTTER SOLE | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 19.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 0.0 | 0.1 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.0 | 0.0 | 6.0 | 0.0 | 0.6 | 0.5 | 5.7 | 0.4 | 0.2 | 0.0 | 7.7 |
| SKATES | 0.0 | 0.0 | 0.0 | 120.2 | 0.0 | 0.0 | 120.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 102.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 23.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE LETS GO DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 8/14/87 | 8/15/87 | 8/15/87 | 8/15/87 | 8/15/87 | 8/15/87 | 8/15/87 | 8/16/87 | 8/16/87 | 8/16/87 | 8/16/87 |
| LATITUDE START | 55 46.8 | 55 32.8 | 55 32.9 | 55 40.8 | 55 39.9 | 55 32.7 | 55 28.1 | 55 9.9 | 55 3.1 | 54 56.5 | 55 16.5 |
| LONGITUDE START | 159 12.7 | 159 36.9 | 159 53.0 | 159 54.8 | 159 45.0 | 159 58.2 | 159 59.0 | 160 43.9 | 160 29.1 | 160 51.7 | 160 58.0 |
| LATITUDE END | 55 45.6 | 55 32.7 | 55 34.5 | 55 41.7 | 55 40.4 | 55 34.1 | 55 29.6 | 55 9.3 | 55 2.0 | 54 54.9 | 55 15.5 |
| LONGITUDE END | 159 10.8 | 159 39.8 | 159 53.7 | 159 53.8 | 159 46.1 | 159 56.8 | 159 58.3 | 160 41.7 | 160 30.9 | 160 51.6 | 160 58.5 |
| LORAN START | 33529.10 | 33638.70 | 33675.00 | 33648.50 | 33629.40 | 33687.60 | 33706.90 | 33877.40 | 33865.90 | 33940.30 | 33887.90 |
| LORAN START | 45796.50 | 45964.30 | 46067.90 | 46073.40 | 46010.60 | 46101.00 | 46109.40 | 46406.20 | 46316.70 | 46461.40 | 46492.90 |
| LORAN END | 33529.70 | 33645.60 | 33670.60 | 33642.70 | 33629.90 | 33679.20 | 33699.70 | 33874.50 | 33873.80 | 33945.30 | 33892.30 |
| LORAN END | 45785.50 | 45983.50 | 46071.10 | 46066.40 | 46017.30 | 46091.40 | 46103.90 | 46393.10 | 46329.10 | 46461.80 | 46496.10 |
| GEAR DEPTH | 55 | 32 | 81 | 69 | 53 | 96 | 39 | 30 | 56 | 51 | 29 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.33 | 0.27 | 0.50 | 0.50 | 0.45 | 0.50 | 0.50 | 0.33 |
| DISTANCE FISHED | 1.59 | 1.70 | 1.60 | 1.06 | 0.81 | 1.58 | 1.54 | 1.36 | 1.51 | 1.59 | 0.99 |
| PERFORMANCE / GEAR | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 |
| POLLOCK | 1818.0 | 0.0 | 2282.7 | 4309.1 | 57.4 | 1106.8 | 0.0 | 0.0 | 314.6 | 0.9 | 0.0 |
| PACIFIC COD | 0.0 | 0.0 | 26.7 | 51.8 | 54.4 | 94.3 | 0.0 | 0.0 | 48.3 | 50.8 | 3.2 |
| SABLEFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 203.2 | 0.0 | 924.5 | 570.2 | 113.2 | 818.3 | 0.1 | 1.4 | 15.9 | 128.8 | 16.3 |
| HALIBUT | 61.5 | 63.9 | 74.2 | 0.0 | 15.3 | 0.0 | 3.9 | 48.9 | 35.8 | 49.8 | 28.8 |
| FLATHEAD SOLE | 99.8 | 0.0 | 200.1 | 139.7 | 67.6 | 486.2 | 0.0 | 0.5 | 2.3 | 34.7 | 4.5 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| REX SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 4.8 | 0.0 | 0.0 | 0.0 | 0.4 | 1.8 | 0.0 |
| YELLOWFIN SOLE | 30.8 | 0.0 | 0.0 | 9.7 | 39.5 | 0.0 | 0.0 | 1.8 | 0.0 | 3.2 | 9.3 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 75.7 | 5.4 | 0.0 | 3.6 | 0.0 | 25.4 | 274.2 | 40.4 | 60.8 | 81.2 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 137.4 | 0.0 | 0.0 | 1.6 |
| ALASKA PLAICE | 0.0 | 0.0 | 14.7 | 37.2 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.5 | 0.0 | 10.7 | 0.0 | 0.0 | 9.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 36.3 | 3.4 | 0.0 | 0.0 | 0.0 | 6.4 | 0.7 | 0.0 | 0.0 | 0.7 | 0.0 |
| SKATES | 0.0 | 0.0 | 0.0 | 0.0 | 35.8 | 0.0 | 0.0 | 35.8 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 16.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 102.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE LETS GO DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 8/16/87 | 8/17/87 | 8/17/87 | 8/17/87 | 8/19/87 | 8/19/87 | 8/19/87 | 8/20/87 | 8/20/87 | 8/20/87 | 8/20/87 |
| LATITUDE START | 55 25.3 | 55 21.6 | 55 19.2 | 55 13.6 | 55 0.8 | 54 56.8 | 55 1.5 | 55 16.9 | 54 58.5 | 54 51.8 | 55 7.3 |
| LONGITUDE START | 160 33.5 | 159 52.0 | 159 33.6 | 159 45.1 | 160 0.7 | 159 43.3 | 159 35.6 | 158 41.2 | 158 34.1 | 157 53.6 | 158 8.4 |
| LATITUDE END | 55 25.6 | 55 21.0 | 55 18.9 | 55 12.9 | 55 0.4 | 54 57.5 | 55 0.5 | 55 17.1 | 55 0.0 | 54 51.0 | 55 8.8 |
| LONGITUDE END | 160 30.8 | 159 49.6 | 159 32.3 | 159 45.8 | 159 58.9 | 159 46.0 | 159 34.2 | 158 38.3 | 158 34.4 | 157 51.2 | 158 10.0 |
| LORAN START | 33797.90 | 33715.20 | 33682.20 | 33728.40 | 33808.20 | 33782.40 | 33749.20 | 33574.60 | 33624.70 | 33561.90 | 33539.20 |
| LORAN START | 46332.40 | 46070.40 | 45955.80 | 46032.90 | 46141.00 | 46036.30 | 45984.80 | 45629.00 | 45610.20 | 45377.00 | 45440.60 |
| LORAN END | 33790.50 | 33712.10 | 33680.50 | 33732.50 | 33805.50 | 33786.20 | 33749.40 | 33567.70 | 33619.90 | 33559.40 | 33537.30 |
| LORAN END | 46314.70 | 46055.60 | 45948.00 | 46038.30 | 46130.10 | 46052.80 | 45976.70 | 45611.00 | 45609.40 | 45363.90 | 45448.50 |
| GEAR DEPTH | 70 | 38 | 83 | 40 | 18 | 27 | 27 | 104 | 102 | 71 | 64 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.25 | 0.25 | 0.33 | 0.50 | 0.47 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 1.58 | 1.53 | 0.80 | 0.80 | 1.12 | 1.76 | 1.32 | 1.64 | 1.53 | 1.60 | 1.81 |
| PERFORMANCE / GEAR | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 7 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 |
| POLLOCK | 2233.1 | 0.0 | 391.1 | 0.3 | 0.2 | 0.1 | 0.1 | 62.1 | 24.1 | 0.0 | 0.0 |
| PACIFIC COD | 62.1 | 0.2 | 20.4 | 6.1 | 2.3 | 0.9 | 15.9 | 0.0 | 32.2 | 39.2 | 70.5 |
| SABLEFISH | 0.0 | 0.0 | 9.1 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 48.5 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 224.6 | 7.3 | 313.9 | 5.4 | 0.0 | 1.1 | 0.0 | 207.3 | 334.8 | 181.4 | 252.7 |
| HALIBUT | 1.3 | 49.5 | 20.0 | 7.1 | 13.1 | 16.8 | 11.2 | 0.0 | 39.3 | 14.3 | 282.9 |
| FLATHEAD SOLE | 268.2 | 0.0 | 36.5 | 0.0 | 0.0 | 0.0 | 0.0 | 77.6 | 35.4 | 0.0 | 22.9 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.1 | 0.2 | 2.9 |
| REX SOLE | 8.7 | 0.0 | 0.2 | 0.2 | 0.0 | 0.1 | 0.0 | 0.2 | 19.5 | 0.2 | 5.4 |
| YELLOWFIN SOLE | 87.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 41.4 | 27.0 | 1.8 | 13.2 | 27.2 | 74.8 | 105.0 | 0.5 | 0.0 | 9.5 | 7.5 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 2.0 | 0.1 | 2.3 | 0.0 | 0.0 | 0.0 | 0.5 | 0.9 | 0.9 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.4 | 0.1 | 38.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.6 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 3.5 | 1.1 | 0.7 | 1.7 | 0.0 | 1.5 | 0.2 | 1.1 | 0.0 | 0.0 | 12.7 |
| SKATES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.1 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE LETS GO DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 8/21/87 | 8/21/87 | 8/21/87 | 8/21/87 | 8/22/87 | 8/22/87 | 8/22/87 | 8/22/87 | 8/22/87 | 8/23/87 | 8/23/87 |
| LATITUDE START | 55 27.1 | 55 47.6 | 55 59.8 | 56 11.3 | 56 27.4 | 56 36.7 | 56 32.4 | 56 34.4 | 56 41.9 | 56 38.3 | 56 42.4 |
| LONGITUDE START | 158 14.1 | 158 10.3 | 157 47.1 | 157 22.7 | 157 34.9 | 157 48.4 | 157 43.2 | 157 33.6 | 157 27.6 | 157 7.2 | 156 51.4 |
| LATITUDE END | 55 28.7 | 55 46.0 | 55 58.6 | 56 10.1 | 56 27.5 | 56 35.1 | 56 31.5 | 56 34.5 | 56 40.9 | 56 38.8 | 56 42.9 |
| LONGITUDE END | 158 14.4 | 158 11.0 | 157 49.4 | 157 25.1 | 157 34.8 | 157 48.2 | 157 41.0 | 157 36.6 | 157 26.5 | 157 9.9 | 156 48.8 |
| LORAN START | 33478.70 | 33390.50 | 33291.90 | 33193.80 | 33147.10 | 33131.30 | 33141.00 | 33112.80 | 33066.10 | 33042.90 | 32993.00 |
| LORAN START | 45446.60 | 45394.50 | 45229.90 | 45057.60 | 45117.20 | 45197.40 | 45166.60 | 45101.90 | 45055.10 | 44923.60 | 44815.50 |
| LORAN END | 33473.30 | 33398.40 | 33301.60 | 33203.40 | 33146.80 | 33138.30 | 33141.00 | 33118.50 | 33068.40 | 33045.50 | 32985.90 |
| LORAN END | 45446.40 | 45401.40 | 45246.40 | 45074.50 | 45116.80 | 45197.50 | 45153.00 | 45121.50 | 45049.00 | 44940.70 | 44798.00 |
| GEAR DEPTH | 74 | 64 | 67 | 84 | 46 | 16 | 50 | 26 | 32 | 95 | 57 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.55 | 0.50 | 0.02 | 0.50 | 0.50 | 0.50 | 0.33 | 0.50 | 0.50 |
| DISTANCE FISHED | 1.62 | 1.62 | 1.76 | 1.74 | 0.05 | 1.60 | 1.56 | 1.65 | 1.10 | 1.58 | 1.50 |
| PERFORMANCE / GEAR | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 6 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 |
| POLLOCK | 17.7 | 0.0 | 0.9 | 1402.2 | 0.0 | 1.4 | 191.3 | 0.0 | 470.4 | 480.4 | 28.6 |
| PACIFIC COD | 9.1 | 30.8 | 13.2 | 0.0 | 0.0 | 0.2 | 19.3 | 17.2 | 10.9 | 25.4 | 104.3 |
| SABLEFISH | 0.0 | 1253.3 | 11.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 22.7 |
| ARROWTOOTH FL. | 195.5 | 428.7 | 657.0 | 262.3 | 0.0 | 0.9 | 68.3 | 22.2 | 8.6 | 136.1 | 229.5 |
| HALIBUT | 0.0 | 11.2 | 15.3 | 208.2 | 0.0 | 106.0 | 94.3 | 111.0 | 4.6 | 44.7 | 25.3 |
| FLATHEAD SOLE | 24.0 | 13.0 | 9.5 | 40.8 | 0.0 | 0.0 | 142.0 | 0.0 | 26.8 | 38.1 | 8.6 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.9 | 0.0 |
| REX SOLE | 1.1 | 11.3 | 3.6 | 3.3 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.2 | 0.9 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28.1 | 18.8 | 0.0 | 21.3 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 29.2 | 5.9 | 0.0 | 0.0 | 45.8 | 4.1 | 72.8 | 6.4 | 0.0 | 2.7 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 0.0 | 0.0 | 0.0 | 1.8 |
| 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 |
| ROUGHEYE RKFH | 3.6 | 0.0 | 0.0 | 11.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.1 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 | 0.5 | 0.0 | 0.0 | 0.0 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.4 | 0.2 | 0.2 | 0.0 | 0.0 | 5.1 | 0.3 | 2.0 | 0.2 | 1.4 | 0.0 |
| SKATES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 87.5 | 0.0 | 0.0 | 5.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 1.1 | 2.6 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 7.7 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE LETS GO DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 239 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 8/23/87 | 8/25/87 | 8/25/87 | 8/26/87 | 8/26/87 | 8/26/87 | 8/26/87 | 8/27/87 | 8/27/87 | 8/27/87 | 8/27/87 |
| LATITUDE START | 56 56.7 | 57 16.2 | 57 17.2 | 57 23.2 | 57 23.2 | 57 23.9 | 57 30.9 | 57 44.4 | 57 32.9 | 57 49.4 | 57 53.4 |
| LONGITUDE START | 156 54.2 | 156 12.0 | 155 44.0 | 156 2.6 | 156 2.6 | 156 8.6 | 155 54.3 | 155 35.1 | 155 41.4 | 154 43.2 | 154 54.5 |
| LATITUDE END | 56 55.3 | 57 16.4 | 57 16.9 | 0 0.0 | 57 23.8 | 57 23.9 | 57 31.4 | 57 42.8 | 57 33.2 | 57 50.5 | 57 53.4 |
| LONGITUDE END | 156 53.0 | 156 10.2 | 155 47.0 | 0 0.0 | 156 0.7 | 156 5.6 | 155 51.9 | 155 35.5 | 155 41.4 | 154 41.0 | 154 54.1 |
| LORAN START | 32931.50 | 32759.40 | 32706.80 | | 32708.40 | 32716.10 | 32656.60 | 32556.60 | 32624.30 | 32450.50 | 32447.20 |
| LORAN START | 44822.20 | 44532.30 | 44345.50 | | 44469.60 | 44509.90 | 44416.50 | 44300.10 | 44332.00 | 43967.70 | 44048.50 |
| LORAN END | 32936.10 | 32755.50 | 32713.30 | | 32702.40 | 32710.80 | 32649.90 | 32565.20 | 32623.70 | 32441.40 | 32446.50 |
| LORAN END | 44815.20 | 44521.00 | 44365.60 | | 44457.00 | 44490.20 | 44400.80 | 44301.00 | 44331.90 | 43955.50 | 44046.30 |
| GEAR DEPTH | 54 | 120 | 140 | 25 | 27 | 16 | 17 | 11 | 16 | 137 | 42 |
| DURATION IN HOURS | 0.50 | 0.33 | 0.50 | 0.35 | 0.38 | 0.52 | 0.45 | 0.50 | 0.03 | 0.50 | 0.10 |
| DISTANCE FISHED | 1.58 | 0.94 | 1.66 | 1.20 | 1.17 | 1.60 | 1.40 | 1.58 | 0.22 | 1.66 | 0.19 |
| PERFORMANCE / GEAR | 0 /171 | 1 /171 | 0 /171 | 5 /171 | 0 /171 | 0 /171 | 7 /171 | 0 /171 | 6 /171 | 0 /171 | 6 /171 |
| POLLOCK | 822.4 | 57.6 | 210.0 | 0.0 | 0.1 | 0.1 | 0.0 | 1.1 | 0.0 | 88.0 | 0.0 |
| PACIFIC COD | 62.6 | 23.1 | 177.4 | 0.0 | 0.7 | 0.0 | 0.0 | 4.1 | 0.0 | 72.6 | 0.0 |
| SABLEFISH | 0.0 | 4.1 | 114.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 129.7 | 0.0 |
| ARROWTOOTH FL. | 79.8 | 96.2 | 166.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 266.7 | 0.0 |
| HALIBUT | 2.7 | 14.3 | 18.2 | 0.0 | 40.3 | 111.0 | 0.0 | 96.5 | 0.0 | 18.7 | 0.0 |
| FLATHEAD SOLE | 50.3 | 14.1 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.4 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 2.7 | 9.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REX SOLE | 5.9 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 |
| YELLOWFIN SOLE | 12.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.4 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.5 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 123.4 | 16.8 | 0.0 | 18.6 | 0.0 | 0.9 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 44.9 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 4.1 | 6.4 | 5.0 | 0.0 | 0.1 | 0.0 | 0.0 | 11.9 | 0.0 | 5.8 | 0.0 |
| SKATES | 36.3 | 0.0 | 11.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 103.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.9 | 1.4 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.1 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE LETS GO DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 8/27/87 | 8/27/87 | 8/28/87 | 8/28/87 | 8/28/87 | 8/28/87 | 8/29/87 | 8/29/87 | 8/29/87 | 8/29/87 | 8/29/87 |
| LATITUDE START | 57 53.4 | 57 54.4 | 58 5.2 | 58 15.2 | 58 17.1 | 58 19.1 | 58 26.8 | 58 30.7 | 58 32.4 | 58 39.2 | 58 56.3 |
| LONGITUDE START | 154 53.8 | 154 56.6 | 154 17.7 | 153 49.0 | 153 56.7 | 154 7.2 | 153 55.5 | 153 42.2 | 153 30.0 | 153 25.4 | 153 6.7 |
| LATITUDE END | 57 54.1 | 57 55.6 | 58 6.2 | 58 16.6 | 58 18.5 | 58 19.0 | 58 25.9 | 58 29.6 | 58 31.6 | 58 37.9 | 58 57.5 |
| LONGITUDE END | 154 51.4 | 154 54.6 | 154 15.4 | 153 48.1 | 153 55.2 | 154 4.6 | 153 53.1 | 153 44.5 | 153 32.7 | 153 27.2 | 153 4.6 |
| LORAN START | 32446.30 | 32445.40 | 32332.70 | 32243.40 | 32243.70 | 32247.90 | 32192.80 | 32155.50 | 32131.30 | 32090.70 | 31980.30 |
| LORAN START | 44044.40 | 44064.10 | 43847.80 | 43719.10 | 43770.20 | 43837.90 | 43807.00 | 43756.20 | 43705.00 | 43719.10 | 43733.00 |
| LORAN END | 32439.00 | 32436.20 | 32334.40 | 32235.00 | 32234.40 | 32244.90 | 32194.40 | 32163.90 | 32138.50 | 32099.40 | 31971.80 |
| LORAN END | 44030.30 | 44053.60 | 43837.30 | 43720.40 | 43767.90 | 43823.00 | 43790.00 | 43762.80 | 43714.00 | 43720.90 | 43731.10 |
| GEAR DEPTH | 77 | 21 | 17 | 109 | 145 | 35 | 45 | 39 | 71 | 23 | 89 |
| 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 | 1.48 | 1.62 | 1.60 | 1.51 | 1.64 | 1.36 | 1.56 | 1.61 | 1.61 | 1.58 | 1.61 |
| PERFORMANCE / GEAR | 0 /171 | 5 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 |
| POLLOCK | 137.9 | 0.0 | 0.2 | 576.3 | 154.7 | 250.8 | 450.0 | 241.3 | 84.8 | 0.4 | 90.3 |
| PACIFIC COD | 144.7 | 0.0 | 8.2 | 19.7 | 14.5 | 26.3 | 7.7 | 21.3 | 55.8 | 0.5 | 26.8 |
| SABLEFISH | 1.4 | 0.0 | 0.0 | 85.7 | 9.1 | 0.4 | 0.0 | 0.9 | 5.4 | 0.0 | 1.5 |
| ARROWTOOTH FL. | 619.2 | 0.5 | 11.3 | 396.0 | 131.1 | 55.3 | 125.6 | 104.8 | 91.6 | 22.2 | 62.1 |
| HALIBUT | 117.2 | 0.5 | 80.9 | 21.0 | 11.1 | 56.1 | 30.8 | 51.7 | 13.1 | 80.2 | 12.2 |
| FLATHEAD SOLE | 5.9 | 0.0 | 6.8 | 68.3 | 27.7 | 73.9 | 60.3 | 47.6 | 18.1 | 25.4 | 7.3 |
| ENGLISH SOLE | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 24.9 | 0.0 | 0.5 | 0.0 | 5.4 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 3.2 |
| REX SOLE | 1.4 | 0.0 | 0.1 | 2.3 | 0.1 | 2.4 | 2.7 | 5.0 | 0.8 | 0.4 | 0.3 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 48.1 | 0.0 | 0.0 | 39.0 | 20.0 | 33.1 | 0.5 | 83.0 | 0.7 |
| STARRY FLOUNDER | 0.0 | 0.0 | 3.6 | 0.0 | 0.0 | 1.5 | 2.3 | 0.0 | 0.0 | 4.0 | 0.0 |
| ROCK SOLE | 3.6 | 1.2 | 8.2 | 0.0 | 0.0 | 0.5 | 5.9 | 44.5 | 0.0 | 5.4 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 10.0 | 0.0 | 0.0 | 59.9 | 43.1 | 56.2 | 1.1 | 33.6 | 0.0 |
| PAC OC PERCH | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 2.7 | 0.0 | 0.0 | 8.6 | 8.8 | 0.2 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 10.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 36.4 | 0.0 | 1.3 | 0.0 | 0.0 | 6.0 | 0.2 | 8.0 | 0.4 | 1.8 | 0.8 |
| SKATES | 0.0 | 0.0 | 34.5 | 0.0 | 0.0 | 110.9 | 0.0 | 0.0 | 3.6 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 113.4 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.3 | 3.2 | 0.5 | 0.0 | 0.2 | 0.4 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 7.8 | 0.7 | 0.0 | 2.5 | 0.0 | 0.5 | 0.0 | 2.5 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 1.6 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE LETS GO DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 | 271 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 8/30/87 | 8/30/87 | 8/30/87 | 8/30/87 | 8/30/87 | 8/30/87 | 8/31/87 | 8/31/87 | 8/31/87 | 8/31/87 | 9/ 2/87 |
| LATITUDE START | 59 13.9 | 59 12.6 | 59 3.7 | 59 7.9 | 59 16.6 | 59 29.4 | 59 42.8 | 59 40.2 | 59 31.6 | 59 30.1 | 59 4.3 |
| LONGITUDE START | 153 41.9 | 153 18.5 | 152 54.3 | 152 45.8 | 152 40.7 | 152 41.8 | 152 53.7 | 152 26.2 | 152 10.2 | 151 45.8 | 152 24.6 |
| LATITUDE END | 59 12.5 | 59 11.2 | 59 3.5 | 59 6.4 | 59 17.3 | 59 29.9 | 59 41.5 | 59 38.7 | 59 30.0 | 59 30.1 | 59 3.5 |
| LONGITUDE END | 153 40.3 | 153 17.4 | 152 51.3 | 152 46.8 | 152 37.8 | 152 39.1 | 152 55.4 | 152 27.7 | 152 10.6 | 151 42.9 | 152 27.4 |
| LORAN START | 31926.60 | 31908.30 | 31928.10 | 31897.20 | 31846.80 | 31780.80 | 12419.70 | 12450.40 | 12397.70 | 12444.50 | 12075.30 |
| LORAN START | 43974.50 | 43869.10 | 43726.30 | 43718.60 | 43749.60 | 43824.40 | 31995.00 | 31960.40 | 31900.50 | 31871.30 | 31764.60 |
| LORAN END | 31932.50 | 31914.40 | 31926.00 | 31906.10 | 31839.90 | 31775.60 | 12402.90 | 12432.30 | 12380.60 | 12452.50 | 12061.20 |
| LORAN END | 43960.40 | 43857.20 | 43713.80 | 43713.90 | 43744.10 | 43817.90 | 31989.30 | 31953.80 | 31892.40 | 31868.80 | 31763.30 |
| GEAR DEPTH | 16 | 23 | 82 | 83 | 40 | 35 | 16 | 42 | 22 | 44 | 75 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.45 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 1.64 | 1.50 | 1.57 | 1.60 | 1.65 | 1.46 | 1.57 | 1.61 | 1.55 | 1.48 | 1.66 |
| PERFORMANCE / GEAR | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 |
| POLLOCK | 6.8 | 2.2 | 368.3 | 137.4 | 0.4 | 2.3 | 0.0 | 0.1 | 0.0 | 837.8 | 492.1 |
| PACIFIC COD | 9.8 | 1.2 | 63.0 | 137.4 | 17.7 | 30.8 | 0.2 | 9.5 | 0.0 | 31.8 | 51.3 |
| SABLEFISH | 1.2 | 0.0 | 1.5 | 13.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 34.0 |
| ARROWTOOTH FL | 4.5 | 0.5 | 91.2 | 212.3 | 0.1 | 4.5 | 0.0 | 4.1 | 0.1 | 29.5 | 405.1 |
| HALIBUT | 124.2 | 130.2 | 0.5 | 25.3 | 52.3 | 73.4 | 34.4 | 22.2 | 104.7 | 20.0 | 50.8 |
| FLATHEAD SOLE | 3.2 | 0.0 | 2.7 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 |
| DOVER SOLE | 0.5 | 0.0 | 2.3 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 |
| REX SOLE | 0.0 | 0.1 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.2 | 0.0 |
| YELLOWFIN SOLE | 55.3 | 10.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33.6 | 0.0 |
| STARRY FLOUNDER | 19.1 | 0.0 | 0.0 | 0.0 | 37.2 | 0.0 | 0.0 | 4.5 | 1.8 | 0.0 | 0.0 |
| ROCK SOLE | 5.0 | 10.2 | 0.0 | 0.0 | 11.8 | 7.3 | 1.4 | 12.2 | 4.5 | 32.7 | 1.7 |
| BUTTER SOLE | 0.0 | 0.3 | 0.0 | 0.0 | 6.8 | 89.4 | 0.0 | 4.5 | 0.2 | 6.4 | 0.0 |
| ALASKA PLAICE | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 2.2 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 4.5 | 0.0 | 5.0 | 17.2 | 0.0 | 5.4 | 0.0 | 0.3 | 29.7 | 11.7 | 2.7 |
| SKATES | 0.0 | 5.0 | 0.0 | 1.7 | 0.0 | 19.1 | 0.0 | 40.4 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 15.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 1.5 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE LETS GO DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 |
|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 9/ 3/87 | 9/ 3/87 | 9/ 5/87 | 9/ 5/87 | 9/ 5/87 | 9/ 5/87 | 9/ 5/87 | 9/ 5/87 | 9/ 6/87 |
| LATITUDE START | 58 58.2 | 58 50.0 | 58 8.3 | 58 5.2 | 58 2.7 | 57 59.3 | 57 58.7 | 57 54.9 | 57 44.7 |
| LONGITUDE START | 152 30.5 | 152 34.5 | 152 12.1 | 152 16.2 | 152 30.3 | 152 37.8 | 152 40.3 | 152 40.3 | 152 1.2 |
| LATITUDE END | 58 58.8 | 58 51.6 | 58 6.8 | 58 6.6 | 58 1.6 | 57 58.2 | 57 57.5 | 57 55.3 | 57 43.6 |
| LONGITUDE END | 152 33.2 | 152 34.4 | 152 11.1 | 152 12.5 | 152 32.2 | 152 39.4 | 152 42.0 | 152 38.5 | 152 3.1 |
| LORAN START | 11997.60 | 11902.00 | 32150.90 | 32170.30 | 32199.90 | 32225.50 | 32232.10 | 11294.10 | 11266.90 |
| LORAN START | 31737.40 | 31697.50 | 43246.50 | 43238.70 | 43270.00 | 43277.50 | 43284.00 | 31412.50 | 31306.50 |
| LORAN END | 11999.00 | 11918.80 | 32156.20 | 32159.30 | 32207.80 | 32232.90 | 32239.80 | 11300.70 | 11248.30 |
| LORAN END | 31743.60 | 31705.80 | 43234.30 | 43236.70 | 43269.70 | 43277.50 | 43283.80 | 31412.40 | 31303.00 |
| GEAR DEPTH | 84 | 107 | 101 | 105 | 110 | 72 | 55 | 51 | 61 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.47 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 1.57 | 1.56 | 1.55 | 1.67 | 1.54 | 1.43 | 1.47 | 1.09 | 1.52 |
| PERFORMANCE / GEAR | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 | 0 /171 |
| POLLOCK | 469.0 | 132.4 | 194.6 | 560.2 | 876.4 | 222.3 | 19.5 | 39.9 | 335.7 |
| PACIFIC COD | 19.1 | 14.5 | 68.2 | 55.3 | 62.7 | 5.4 | 23.6 | 8.6 | 59.9 |
| SABLEFISH | 5.4 | 31.3 | 10.1 | 6.4 | 12.5 | 2.7 | 0.0 | 0.0 | 1.5 |
| ARROWTOOTH FL. | 195.0 | 180.1 | 951.4 | 159.2 | 171.0 | 48.1 | 23.6 | 27.2 | 239.9 |
| HALIBUT | 27.4 | 24.6 | 242.6 | 17.2 | 18.4 | 35.5 | 2.3 | 38.1 | 40.2 |
| FLATHEAD SOLE | 18.1 | 15.4 | 669.6 | 331.3 | 194.9 | 38.1 | 26.8 | 270.3 | 166.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.9 |
| DOVER SOLE | 15.0 | 4.5 | 0.0 | 1.7 | 0.0 | 0.0 | 0.7 | 0.0 | 7.5 |
| REX SOLE | 5.4 | 1.3 | 0.0 | 0.0 | 1.3 | 9.5 | 6.2 | 0.0 | 24.5 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 26.8 | 20.0 | 0.5 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 0.0 |
| ROCK SOLE | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 44.5 | 14.1 | 46.7 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.4 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.5 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 1.1 | 3.5 | 0.0 | 0.4 | 0.0 | 2.4 | 14.6 | 16.2 | 4.1 |
| SKATES | 1.4 | 0.0 | 75.8 | 15.4 | 0.0 | 0.0 | 0.0 | 51.8 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 3.2 | 0.5 | 2.3 | 0.0 | 0.0 | 0.1 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.1 | 0.3 | 13.2 | 4.6 | 5.7 | 0.4 | 0.1 | 4.4 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.1 | 3.3 | 0.8 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Section 3 (continued)

Fishing log for the Lets Go

Summary listings of catch rates in descending order of magnitude for selected species of commercial interest

- Catch rates (kg/nm) are standardized to a trawl width of approximately 15 meters. The fishing efficiency adjustments between vessels, used in the distribution and abundance plots in Section 1, are not used.

Note: Hauls 99-149 were completed in the eastern Gulf of Alaska by the Auke Bay Laboratory.

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ARROWTOOTH FLOUNDER

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 180 | 2020.2 | 1.0 | 55 |
| 181 | 1232.1 | 0.7 | 41 |
| 43 | 886.6 | 0.5 | 72 |
| 56 | 779.6 | 1.1 | 86 |
| 154 | 754.3 | 1.0 | 79 |
| 40 | 641.0 | 1.0 | 99 |
| 274 | 613.8 | 1.5 | 101 |
| 191 | 595.4 | 1.4 | 103 |
| 208 | 577.8 | 1.1 | 81 |
| 70 | 538.5 | 0.7 | 86 |
| 209 | 537.9 | 1.2 | 69 |
| 211 | 517.9 | 1.1 | 96 |
| 151 | 499.2 | 2.0 | 112 |
| 53 | 461.6 | 0.9 | 83 |
| 71 | 420.9 | 0.7 | 63 |
| 250 | 418.3 | 1.1 | 77 |
| 51 | 405.5 | 0.7 | 82 |
| 219 | 392.4 | 1.1 | 83 |
| 230 | 373.3 | 0.4 | 67 |
| 45 | 357.1 | 1.7 | 84 |
| 49 | 344.6 | 1.1 | 97 |
| 75 | 337.4 | 1.1 | 57 |
| 98 | 331.6 | 0.9 | 92 |
| 79 | 324.1 | 0.9 | 56 |
| 185 | 314.9 | 0.7 | 93 |
| 52 | 307.6 | 1.0 | 83 |
| 54 | 287.9 | 0.8 | 80 |
| 59 | 286.6 | 0.8 | 79 |
| 44 | 279.0 | 0.8 | 71 |
| 158 | 272.3 | 0.9 | 85 |
| 57 | 266.1 | 0.7 | 83 |
| 55 | 265.6 | 0.9 | 80 |
| 229 | 264.7 | 0.4 | 64 |
| 253 | 250.5 | 1.4 | 109 |
| 271 | 244.0 | 1.0 | 75 |
| 187 | 236.8 | 2.0 | 110 |
| 195 | 229.7 | 1.0 | 69 |
| 225 | 218.8 | 1.2 | 102 |
| 160 | 210.8 | 1.3 | 86 |
| 161 | 210.6 | 1.0 | 106 |
| 176 | 207.5 | 1.3 | 115 |
| 196 | 202.3 | 0.7 | 68 |
| 162 | 199.0 | 1.2 | 113 |
| 3 | 186.3 | 0.8 | 75 |
| 76 | 185.5 | 1.0 | 53 |
| 60 | 181.4 | 0.5 | 83 |
| 280 | 157.9 | 1.0 | 61 |
| 248 | 153.5 | 1.0 | 137 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ARROWTOOTH FLOUNDER

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 156 | 153.4 | 0.8 | 70 |
| 238 | 153.0 | 0.6 | 57 |
| 231 | 150.8 | 1.0 | 84 |
| 167 | 149.1 | 1.8 | 73 |
| 37 | 145.1 | 0.3 | 62 |
| 157 | 143.0 | 0.7 | 80 |
| 210 | 142.2 | 0.2 | 53 |
| 217 | 142.2 | 0.9 | 70 |
| 227 | 139.6 | 0.3 | 64 |
| 174 | 138.1 | 1.2 | 118 |
| 153 | 134.9 | 1.0 | 78 |
| 200 | 134.6 | 0.7 | 154 |
| 264 | 132.7 | 1.2 | 83 |
| 80 | 132.0 | 0.4 | 52 |
| 206 | 127.8 | 0.7 | 55 |
| 224 | 126.4 | 1.1 | 104 |
| 168 | 126.3 | 1.4 | 94 |
| 272 | 124.2 | 1.0 | 84 |
| 33 | 123.8 | 0.4 | 71 |
| 228 | 120.7 | 0.5 | 74 |
| 66 | 120.6 | 0.4 | 53 |
| 177 | 119.5 | 1.2 | 131 |
| 18 | 115.6 | 0.5 | 42 |
| 273 | 115.4 | 1.4 | 107 |
| 58 | 114.3 | 0.7 | 80 |
| 226 | 113.4 | 0.5 | 71 |
| 77 | 111.2 | 0.6 | 51 |
| 197 | 107.0 | 0.3 | 40 |
| 94 | 106.8 | 1.9 | 172 |
| 276 | 106.0 | 1.1 | 110 |
| 2 | 104.1 | 0.2 | 45 |
| 35 | 100.3 | 0.2 | 54 |
| 240 | 97.7 | 2.0 | 120 |
| 164 | 97.2 | 1.1 | 88 |
| 165 | 97.2 | 0.9 | 98 |
| 193 | 96.6 | 1.9 | 126 |
| 39 | 95.9 | 0.3 | 32 |
| 241 | 95.5 | 1.5 | 140 |
| 275 | 95.3 | 1.2 | 105 |
| 97 | 91.7 | 0.7 | 77 |
| 201 | 89.9 | 0.5 | 59 |
| 237 | 86.1 | 1.8 | 95 |
| 63 | 85.8 | 0.3 | 53 |
| 68 | 84.9 | 0.4 | 55 |
| 86 | 84.3 | 2.3 | 134 |
| 173 | 83.3 | 1.0 | 84 |
| 215 | 82.5 | 0.3 | 51 |
| 256 | 82.0 | 0.4 | 45 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ARROWTOOTH FLOUNDER

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 67 | 81.7 | 0.4 | 54 |
| 38 | 78.6 | 0.8 | 114 |
| 254 | 76.3 | 1.8 | 145 |
| 192 | 75.3 | 1.3 | 106 |
| 65 | 71.7 | 0.3 | 52 |
| 61 | 66.3 | 0.4 | 54 |
| 257 | 66.3 | 0.2 | 39 |
| 166 | 62.2 | 0.8 | 106 |
| 64 | 60.9 | 0.4 | 53 |
| 84 | 59.6 | 2.2 | 145 |
| 263 | 58.1 | 1.3 | 82 |
| 205 | 57.7 | 0.2 | 42 |
| 169 | 57.1 | 0.6 | 55 |
| 258 | 56.9 | 0.8 | 71 |
| 172 | 55.0 | 0.5 | 77 |
| 175 | 54.2 | 0.3 | 39 |
| 81 | 53.9 | 0.3 | 54 |
| 69 | 52.9 | 0.4 | 53 |
| 62 | 52.0 | 0.4 | 54 |
| 239 | 51.4 | 0.0 | 54 |
| 83 | 51.4 | 1.9 | 140 |
| 198 | 49.5 | 0.6 | 96 |
| 92 | 49.0 | 1.9 | 171 |
| 78 | 47.0 | 0.6 | 56 |
| 170 | 46.6 | 0.7 | 112 |
| 234 | 44.5 | 0.5 | 50 |
| 82 | 42.2 | 1.9 | 132 |
| 255 | 41.4 | 0.5 | 35 |
| 163 | 40.0 | 0.7 | 75 |
| 159 | 39.7 | 0.7 | 98 |
| 260 | 38.6 | 1.4 | 89 |
| 89 | 35.8 | 2.2 | 123 |
| 152 | 35.7 | 0.4 | 159 |
| 277 | 33.6 | 0.4 | 72 |
| 93 | 33.1 | 1.9 | 174 |
| 204 | 32.1 | 0.6 | 71 |
| 91 | 31.6 | 1.8 | 177 |
| 183 | 31.4 | 0.1 | 29 |
| 88 | 31.0 | 1.7 | 151 |
| 182 | 29.2 | 0.2 | 33 |
| 4 | 25.9 | 0.2 | 47 |
| 96 | 25.7 | 1.3 | 172 |
| 279 | 25.4 | 0.5 | 51 |
| 87 | 25.4 | 1.6 | 145 |
| 270 | 20.3 | 0.2 | 44 |
| 188 | 19.1 | 0.6 | 45 |
| 15 | 17.8 | 0.3 | 49 |
| 216 | 16.8 | 0.2 | 29 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ARROWTOOTH FLOUNDER

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 95 | 16.2 | 1.6 | 174 |
| 278 | 16.0 | 0.2 | 55 |
| 85 | 16.0 | 1.8 | 123 |
| 6 | 15.7 | 0.2 | 48 |
| 259 | 14.3 | 0.1 | 23 |
| 235 | 13.7 | 0.3 | 26 |
| 178 | 12.5 | 0.2 | 38 |
| 203 | 12.3 | 0.3 | 46 |
| 202 | 11.9 | 0.4 | 41 |
| 90 | 11.5 | 1.5 | 191 |
| 29 | 11.2 | 0.1 | 45 |
| 150 | 11.1 | 1.2 | 145 |
| 214 | 10.5 | 0.1 | 56 |
| 25 | 10.2 | 0.1 | 45 |
| 31 | 9.8 | 0.1 | 18 |
| 36 | 9.6 | 0.1 | 50 |
| 171 | 9.1 | 0.3 | 31 |
| 16 | 8.4 | 0.2 | 41 |
| 236 | 8.0 | 0.3 | 32 |
| 252 | 7.2 | 0.2 | 17 |
| 9 | 6.9 | 0.3 | 52 |
| 220 | 6.9 | 0.1 | 40 |
| 189 | 6.7 | 0.7 | 38 |
| 41 | 6.4 | 0.5 | 14 |
| 30 | 6.2 | 0.1 | 30 |
| 218 | 4.8 | 0.2 | 38 |
| 14 | 4.6 | 0.5 | 47 |
| 186 | 4.5 | 0.4 | 56 |
| 12 | 4.3 | 0.2 | 35 |
| 19 | 4.1 | 0.1 | 33 |
| 179 | 3.2 | 0.2 | 39 |
| 266 | 3.2 | 0.1 | 35 |
| 261 | 2.8 | 0.1 | 16 |
| 268 | 2.6 | 0.1 | 42 |
| 10 | 2.5 | 0.2 | 44 |
| 74 | 2.3 | 0.1 | 39 |
| 7 | 1.3 | 0.1 | 28 |
| 1 | 1.2 | 0.1 | 37 |
| 213 | 1.0 | 0.1 | 30 |
| 11 | 1.0 | 0.3 | 44 |
| 24 | 0.8 | 0.1 | 17 |
| 222 | 0.7 | 0.1 | 27 |
| 28 | 0.6 | 0.1 | 18 |
| 233 | 0.6 | 0.2 | 16 |
| 21 | 0.5 | 0.1 | 43 |
| 8 | 0.4 | 0.1 | 35 |
| 34 | 0.4 | 0.1 | 44 |
| 262 | 0.4 | 0.1 | 23 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ARROWTOOTH FLOUNDER

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 251 | 0.3 | 0.5 | 21 |
| 23 | 0.1 | 0.0 | 37 |
| 243 | 0.1 | 0.1 | 27 |
| 212 | 0.1 | 0.1 | 39 |
| 269 | 0.1 | 0.0 | 22 |
| 265 | 0.1 | 0.0 | 40 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC HALIBUT

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 154 | 339.9 | 10.2 | 79 |
| 171 | 251.8 | 1.8 | 31 |
| 39 | 243.9 | 10.7 | 32 |
| 197 | 214.5 | 1.6 | 40 |
| 3 | 212.7 | 1.9 | 75 |
| 274 | 156.5 | 4.2 | 101 |
| 227 | 156.3 | 10.9 | 64 |
| 72 | 142.9 | 2.3 | 37 |
| 25 | 126.3 | 21.5 | 45 |
| 50 | 122.6 | 6.2 | 37 |
| 201 | 120.0 | 27.9 | 59 |
| 231 | 119.7 | 17.4 | 84 |
| 77 | 110.7 | 4.5 | 51 |
| 79 | 99.1 | 26.8 | 56 |
| 44 | 91.5 | 9.0 | 71 |
| 62 | 89.1 | 22.5 | 54 |
| 262 | 88.3 | 2.6 | 23 |
| 250 | 79.2 | 14.7 | 77 |
| 45 | 78.7 | 7.4 | 84 |
| 261 | 77.1 | 3.5 | 16 |
| 190 | 76.6 | 2.3 | 30 |
| 73 | 75.9 | 1.1 | 43 |
| 23 | 74.6 | 7.4 | 37 |
| 24 | 72.5 | 1.4 | 17 |
| 84 | 72.3 | 27.2 | 145 |
| 34 | 71.8 | 10.6 | 44 |
| 244 | 70.6 | 1.6 | 16 |
| 269 | 68.8 | 3.1 | 22 |
| 235 | 68.5 | 3.0 | 26 |
| 233 | 67.5 | 1.0 | 16 |
| 199 | 64.3 | 19.1 | 17 |
| 184 | 64.3 | 10.5 | 38 |
| 183 | 63.1 | 6.0 | 29 |
| 157 | 62.8 | 48.0 | 80 |
| 175 | 62.5 | 8.5 | 39 |
| 246 | 62.2 | 1.4 | 11 |
| 181 | 61.7 | 3.0 | 41 |
| 234 | 61.6 | 8.6 | 50 |
| 153 | 60.8 | 10.2 | 78 |
| 27 | 57.6 | 0.9 | 14 |
| 70 | 51.7 | 24.3 | 86 |
| 259 | 51.7 | 2.8 | 23 |
| 252 | 51.5 | 1.0 | 17 |
| 266 | 51.2 | 7.3 | 35 |
| 1 | 50.1 | 34.5 | 37 |
| 195 | 49.8 | 8.7 | 69 |
| 196 | 49.5 | 8.7 | 68 |
| 7 | 47.8 | 2.6 | 28 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC HALIBUT

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 58 | 47.5 | 17.3 | 80 |
| 186 | 46.9 | 5.6 | 56 |
| 31 | 46.9 | 8.1 | 18 |
| 208 | 46.4 | 12.4 | 81 |
| 54 | 46.3 | 12.1 | 80 |
| 35 | 45.2 | 6.5 | 54 |
| 21 | 43.5 | 7.1 | 43 |
| 188 | 43.5 | 4.3 | 45 |
| 98 | 43.5 | 12.9 | 92 |
| 255 | 42.0 | 5.1 | 35 |
| 40 | 42.0 | 11.3 | 99 |
| 15 | 41.9 | 8.9 | 49 |
| 71 | 41.2 | 9.4 | 63 |
| 81 | 39.5 | 1.0 | 54 |
| 206 | 38.7 | 3.8 | 55 |
| 207 | 38.2 | 63.9 | 32 |
| 18 | 38.2 | 3.3 | 42 |
| 17 | 37.6 | 0.9 | 19 |
| 29 | 37.5 | 16.0 | 45 |
| 213 | 36.6 | 3.8 | 30 |
| 67 | 36.5 | 12.4 | 54 |
| 202 | 36.3 | 2.1 | 41 |
| 279 | 35.6 | 6.4 | 51 |
| 11 | 35.5 | 4.9 | 44 |
| 243 | 35.0 | 0.6 | 27 |
| 37 | 34.1 | 7.4 | 62 |
| 178 | 33.6 | 2.9 | 38 |
| 218 | 33.0 | 2.5 | 38 |
| 257 | 32.7 | 2.3 | 39 |
| 265 | 32.2 | 1.2 | 40 |
| 215 | 31.9 | 3.6 | 51 |
| 14 | 31.8 | 1.6 | 47 |
| 2 | 31.6 | 3.0 | 45 |
| 42 | 31.1 | 0.6 | 26 |
| 41 | 30.8 | 1.8 | 14 |
| 271 | 30.6 | 7.3 | 75 |
| 216 | 29.6 | 2.1 | 29 |
| 151 | 28.6 | 22.8 | 112 |
| 237 | 28.3 | 14.9 | 95 |
| 203 | 27.8 | 2.2 | 46 |
| 161 | 27.5 | 8.9 | 106 |
| 182 | 26.7 | 4.0 | 33 |
| 280 | 26.5 | 2.5 | 61 |
| 225 | 25.7 | 39.3 | 102 |
| 219 | 25.1 | 6.7 | 83 |
| 277 | 24.8 | 2.4 | 72 |
| 189 | 24.6 | 2.6 | 38 |
| 89 | 24.4 | 9.9 | 123 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC HALIBUT

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 214 | 23.7 | 2.8 | 56 |
| 47 | 23.6 | 0.8 | 30 |
| 6 | 23.3 | 2.1 | 48 |
| 159 | 23.0 | 12.3 | 98 |
| 52 | 22.8 | 16.6 | 83 |
| 267 | 22.3 | 3.8 | 16 |
| 180 | 22.0 | 3.2 | 55 |
| 91 | 21.1 | 13.0 | 177 |
| 194 | 20.8 | 2.8 | 49 |
| 256 | 20.1 | 2.1 | 45 |
| 210 | 19.2 | 2.2 | 53 |
| 168 | 18.8 | 14.8 | 94 |
| 272 | 17.4 | 3.0 | 84 |
| 238 | 16.8 | 3.2 | 57 |
| 9 | 16.7 | 1.8 | 52 |
| 59 | 16.4 | 3.9 | 79 |
| 160 | 16.1 | 8.0 | 86 |
| 264 | 15.8 | 25.3 | 83 |
| 273 | 15.8 | 8.2 | 107 |
| 150 | 15.5 | 11.3 | 145 |
| 158 | 15.1 | 4.5 | 85 |
| 240 | 14.6 | 14.3 | 120 |
| 20 | 14.4 | 0.7 | 24 |
| 33 | 14.2 | 12.6 | 71 |
| 268 | 14.0 | 3.2 | 42 |
| 187 | 13.8 | 22.8 | 110 |
| 270 | 13.8 | 0.8 | 44 |
| 198 | 13.3 | 4.4 | 96 |
| 4 | 13.3 | 2.6 | 47 |
| 253 | 13.3 | 21.0 | 109 |
| 86 | 13.2 | 10.3 | 134 |
| 221 | 11.9 | 0.7 | 18 |
| 276 | 11.4 | 9.2 | 110 |
| 30 | 11.1 | 1.5 | 30 |
| 191 | 10.9 | 5.7 | 103 |
| 248 | 10.8 | 18.7 | 137 |
| 241 | 10.5 | 18.2 | 140 |
| 193 | 10.3 | 16.2 | 126 |
| 275 | 10.3 | 17.2 | 105 |
| 22 | 10.2 | 1.2 | 19 |
| 222 | 9.7 | 1.3 | 27 |
| 200 | 9.4 | 8.3 | 154 |
| 220 | 9.1 | 2.4 | 40 |
| 162 | 9.0 | 3.6 | 113 |
| 226 | 8.9 | 7.1 | 71 |
| 205 | 8.9 | 3.3 | 42 |
| 8 | 8.8 | 0.8 | 35 |
| 179 | 8.7 | 2.9 | 39 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES FLATHEAD SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 79 | 589.2 | 0.4 | 56 |
| 274 | 432.0 | 0.4 | 101 |
| 201 | 372.5 | 0.4 | 59 |
| 211 | 307.8 | 0.4 | 96 |
| 172 | 295.2 | 0.3 | 77 |
| 75 | 278.2 | 0.5 | 57 |
| 78 | 264.7 | 0.4 | 56 |
| 279 | 252.5 | 0.3 | 51 |
| 39 | 244.8 | 0.4 | 32 |
| 197 | 234.5 | 0.0 | 40 |
| 80 | 225.6 | 0.4 | 52 |
| 77 | 218.9 | 0.2 | 51 |
| 275 | 198.4 | 0.4 | 105 |
| 81 | 197.4 | 0.4 | 54 |
| 217 | 169.8 | 0.3 | 70 |
| 21 | 164.2 | 0.2 | 43 |
| 198 | 142.3 | 0.4 | 96 |
| 167 | 141.1 | 0.2 | 73 |
| 209 | 131.8 | 0.3 | 69 |
| 52 | 127.4 | 0.3 | 83 |
| 151 | 126.3 | 0.3 | 112 |
| 208 | 125.1 | 0.3 | 81 |
| 76 | 123.6 | 0.2 | 53 |
| 276 | 120.9 | 0.3 | 110 |
| 54 | 120.4 | 0.3 | 80 |
| 205 | 117.7 | 0.3 | 42 |
| 41 | 116.8 | 0.3 | 14 |
| 280 | 109.2 | 0.3 | 61 |
| 43 | 104.9 | 0.3 | 72 |
| 181 | 104.8 | 0.3 | 41 |
| 56 | 102.2 | 0.4 | 86 |
| 57 | 97.5 | 0.3 | 83 |
| 53 | 94.7 | 0.3 | 83 |
| 234 | 92.6 | 0.4 | 50 |
| 51 | 92.4 | 0.3 | 82 |
| 55 | 91.3 | 0.3 | 80 |
| 60 | 85.0 | 0.3 | 83 |
| 210 | 84.9 | 0.3 | 53 |
| 70 | 77.9 | 0.2 | 86 |
| 174 | 74.4 | 0.4 | 118 |
| 31 | 74.4 | 0.2 | 18 |
| 59 | 68.7 | 0.3 | 79 |
| 182 | 68.4 | 0.2 | 33 |
| 206 | 62.8 | 0.3 | 55 |
| 168 | 61.4 | 0.2 | 94 |
| 18 | 60.1 | 0.3 | 42 |
| 183 | 55.7 | 0.2 | 29 |
| 255 | 55.3 | 0.3 | 35 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES FLATHEAD SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 58 | 50.3 | 0.3 | 80 |
| 224 | 47.3 | 0.3 | 104 |
| 25 | 47.1 | 0.2 | 45 |
| 71 | 45.9 | 0.3 | 63 |
| 219 | 45.6 | 0.2 | 83 |
| 253 | 43.2 | 0.4 | 109 |
| 45 | 42.6 | 0.3 | 84 |
| 152 | 40.0 | 0.0 | 159 |
| 150 | 39.7 | 0.4 | 145 |
| 97 | 39.6 | 0.3 | 77 |
| 256 | 39.4 | 0.2 | 45 |
| 165 | 33.5 | 0.3 | 98 |
| 40 | 33.0 | 0.3 | 99 |
| 239 | 32.4 | 0.3 | 54 |
| 257 | 30.1 | 0.2 | 39 |
| 49 | 27.4 | 0.3 | 97 |
| 277 | 26.6 | 0.2 | 72 |
| 200 | 26.5 | 0.5 | 154 |
| 23 | 25.2 | 0.2 | 37 |
| 236 | 24.8 | 0.4 | 32 |
| 237 | 24.1 | 0.4 | 95 |
| 177 | 23.9 | 0.4 | 131 |
| 231 | 23.4 | 0.3 | 84 |
| 225 | 23.1 | 0.4 | 102 |
| 215 | 22.2 | 0.2 | 51 |
| 29 | 21.4 | 0.2 | 45 |
| 162 | 20.5 | 0.6 | 113 |
| 248 | 20.4 | 0.4 | 137 |
| 278 | 18.2 | 0.2 | 55 |
| 175 | 17.8 | 0.4 | 39 |
| 195 | 17.8 | 0.3 | 69 |
| 170 | 17.4 | 0.3 | 112 |
| 173 | 16.9 | 0.3 | 84 |
| 164 | 16.9 | 0.3 | 88 |
| 259 | 16.4 | 0.2 | 23 |
| 254 | 16.1 | 0.4 | 145 |
| 196 | 15.7 | 0.2 | 68 |
| 228 | 14.8 | 0.2 | 74 |
| 161 | 14.4 | 0.5 | 106 |
| 240 | 14.3 | 0.4 | 120 |
| 166 | 14.2 | 0.3 | 106 |
| 44 | 12.9 | 0.3 | 71 |
| 227 | 12.7 | 0.6 | 64 |
| 204 | 11.7 | 0.3 | 71 |
| 272 | 11.6 | 0.3 | 84 |
| 258 | 11.3 | 0.2 | 71 |
| 10 | 10.7 | 0.2 | 44 |
| 38 | 10.2 | 0.3 | 114 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES FLATHEAD SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 273 | 9.9 | 0.6 | 107 |
| 229 | 8.0 | 0.2 | 64 |
| 3 | 7.0 | 0.7 | 75 |
| 180 | 6.7 | 0.3 | 55 |
| 193 | 6.1 | 0.7 | 126 |
| 42 | 5.9 | 0.3 | 26 |
| 238 | 5.7 | 0.2 | 57 |
| 230 | 5.4 | 0.3 | 67 |
| 64 | 5.2 | 0.3 | 53 |
| 85 | 5.1 | 0.2 | 123 |
| 89 | 4.7 | 0.2 | 123 |
| 216 | 4.7 | 0.2 | 29 |
| 260 | 4.5 | 0.3 | 89 |
| 270 | 4.4 | 0.3 | 44 |
| 252 | 4.3 | 0.2 | 17 |
| 82 | 4.0 | 0.2 | 132 |
| 250 | 4.0 | 0.5 | 77 |
| 33 | 3.8 | 0.2 | 71 |
| 1 | 3.8 | 0.2 | 37 |
| 169 | 3.1 | 0.3 | 55 |
| 61 | 2.6 | 0.5 | 54 |
| 157 | 2.2 | 0.5 | 80 |
| 86 | 2.0 | 0.2 | 134 |
| 90 | 2.0 | 0.2 | 191 |
| 188 | 2.0 | 0.8 | 45 |
| 28 | 2.0 | 0.1 | 18 |
| 261 | 2.0 | 0.1 | 16 |
| 15 | 1.9 | 0.6 | 49 |
| 83 | 1.9 | 0.2 | 140 |
| 241 | 1.8 | 0.4 | 140 |
| 84 | 1.8 | 0.3 | 145 |
| 62 | 1.8 | 0.2 | 54 |
| 30 | 1.7 | 0.3 | 30 |
| 263 | 1.7 | 0.3 | 82 |
| 65 | 1.6 | 0.6 | 52 |
| 63 | 1.5 | 0.4 | 53 |
| 214 | 1.5 | 0.2 | 56 |
| 68 | 1.4 | 0.3 | 55 |
| 96 | 1.3 | 0.1 | 172 |
| 69 | 1.2 | 0.5 | 53 |
| 16 | 0.9 | 0.7 | 41 |
| 67 | 0.9 | 0.3 | 54 |
| 176 | 0.9 | 0.3 | 115 |
| 66 | 0.9 | 0.2 | 53 |
| 191 | 0.7 | 0.0 | 103 |
| 160 | 0.6 | 0.5 | 86 |
| 159 | 0.6 | 0.5 | 98 |
| 98 | 0.6 | 0.2 | 92 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES DOVER SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 90 | 148.3 | 0.4 | 191 |
| 40 | 120.9 | 0.8 | 99 |
| 91 | 96.9 | 0.5 | 177 |
| 191 | 95.1 | 1.2 | 103 |
| 84 | 92.7 | 0.5 | 145 |
| 85 | 72.4 | 0.4 | 123 |
| 92 | 67.0 | 0.5 | 171 |
| 94 | 58.6 | 0.5 | 172 |
| 95 | 57.4 | 0.4 | 174 |
| 161 | 57.4 | 0.7 | 106 |
| 87 | 51.0 | 0.5 | 145 |
| 181 | 49.5 | 0.6 | 41 |
| 88 | 46.1 | 0.5 | 151 |
| 83 | 45.8 | 0.5 | 140 |
| 82 | 39.9 | 0.5 | 132 |
| 45 | 36.9 | 0.7 | 84 |
| 86 | 36.6 | 0.5 | 134 |
| 93 | 30.4 | 0.4 | 174 |
| 96 | 25.7 | 0.5 | 172 |
| 97 | 23.2 | 0.8 | 77 |
| 157 | 17.5 | 0.8 | 80 |
| 250 | 16.9 | 0.8 | 77 |
| 154 | 16.0 | 0.6 | 79 |
| 162 | 14.3 | 0.7 | 113 |
| 192 | 12.4 | 0.6 | 106 |
| 159 | 12.2 | 0.7 | 98 |
| 89 | 11.4 | 0.4 | 123 |
| 56 | 10.3 | 1.5 | 86 |
| 272 | 9.5 | 0.4 | 84 |
| 71 | 7.6 | 0.8 | 63 |
| 180 | 7.5 | 1.1 | 55 |
| 158 | 7.0 | 0.9 | 85 |
| 175 | 6.1 | 0.6 | 39 |
| 51 | 6.1 | 1.0 | 82 |
| 225 | 5.9 | 1.3 | 102 |
| 241 | 5.5 | 1.6 | 140 |
| 280 | 4.9 | 0.4 | 61 |
| 43 | 4.6 | 0.2 | 72 |
| 164 | 4.1 | 0.8 | 88 |
| 57 | 4.1 | 1.4 | 83 |
| 53 | 4.0 | 1.1 | 83 |
| 160 | 4.0 | 0.8 | 86 |
| 44 | 3.9 | 0.4 | 71 |
| 98 | 3.4 | 0.7 | 92 |
| 58 | 3.4 | 0.6 | 80 |
| 254 | 3.2 | 1.1 | 145 |
| 55 | 3.0 | 2.3 | 80 |
| 273 | 2.9 | 0.6 | 107 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES DOVER SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 153 | 2.9 | 0.6 | 78 |
| 240 | 2.8 | 1.4 | 120 |
| 70 | 2.7 | 1.7 | 86 |
| 260 | 2.0 | 0.8 | 89 |
| 38 | 1.8 | 0.8 | 114 |
| 227 | 1.6 | 0.5 | 64 |
| 52 | 1.6 | 1.1 | 83 |
| 200 | 1.5 | 1.4 | 154 |
| 167 | 1.5 | 0.2 | 73 |
| 263 | 1.4 | 0.5 | 82 |
| 151 | 1.4 | 0.8 | 112 |
| 165 | 1.4 | 0.8 | 98 |
| 163 | 1.2 | 0.3 | 75 |
| 275 | 1.0 | 0.9 | 105 |
| 231 | 0.9 | 0.5 | 84 |
| 152 | 0.9 | 0.3 | 159 |
| 264 | 0.9 | 0.5 | 83 |
| 176 | 0.7 | 1.1 | 115 |
| 59 | 0.6 | 0.5 | 79 |
| 166 | 0.6 | 0.9 | 106 |
| 193 | 0.6 | 0.1 | 126 |
| 237 | 0.6 | 0.9 | 95 |
| 278 | 0.5 | 0.2 | 55 |
| 66 | 0.4 | 0.5 | 53 |
| 261 | 0.3 | 0.3 | 16 |
| 270 | 0.3 | 0.2 | 44 |
| 258 | 0.3 | 0.5 | 71 |
| 252 | 0.3 | 0.2 | 17 |
| 169 | 0.2 | 0.3 | 55 |
| 236 | 0.2 | 0.2 | 32 |
| 214 | 0.2 | 0.2 | 56 |
| 226 | 0.1 | 0.2 | 71 |
| 235 | 0.1 | 0.2 | 26 |
| 25 | 0.1 | 0.1 | 45 |
| 195 | 0.1 | 0.1 | 69 |
| 12 | 0.1 | 0.1 | 35 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES REX SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 191 | 66.4 | 0.5 | 103 |
| 193 | 54.6 | 0.5 | 126 |
| 40 | 49.5 | 0.5 | 99 |
| 94 | 45.8 | 0.3 | 172 |
| 84 | 45.1 | 0.3 | 145 |
| 192 | 40.1 | 0.5 | 106 |
| 86 | 38.4 | 0.3 | 134 |
| 91 | 38.2 | 0.3 | 177 |
| 85 | 35.3 | 0.3 | 123 |
| 82 | 30.6 | 0.3 | 132 |
| 83 | 30.3 | 0.3 | 140 |
| 92 | 25.8 | 0.3 | 171 |
| 89 | 25.0 | 0.3 | 123 |
| 96 | 23.9 | 0.3 | 172 |
| 93 | 21.4 | 0.3 | 174 |
| 95 | 20.6 | 0.3 | 174 |
| 88 | 20.4 | 0.3 | 151 |
| 90 | 20.3 | 0.3 | 191 |
| 97 | 19.6 | 0.5 | 77 |
| 195 | 18.7 | 0.3 | 69 |
| 161 | 17.1 | 0.3 | 106 |
| 280 | 16.1 | 0.5 | 61 |
| 87 | 15.1 | 0.3 | 145 |
| 181 | 14.1 | 0.2 | 41 |
| 159 | 13.9 | 0.6 | 98 |
| 154 | 13.4 | 0.4 | 79 |
| 98 | 13.1 | 0.3 | 92 |
| 44 | 12.9 | 0.2 | 71 |
| 225 | 12.7 | 0.7 | 102 |
| 162 | 11.4 | 0.6 | 113 |
| 198 | 0.4 | 0.1 | 96 |
| 45 | 9.2 | 0.4 | 84 |
| 270 | 9.0 | 0.2 | 44 |
| 68 | 8.7 | 0.4 | 55 |
| 196 | 8.0 | 0.3 | 68 |
| 157 | 7.6 | 0.6 | 80 |
| 229 | 7.0 | 0.3 | 64 |
| 277 | 6.7 | 0.2 | 72 |
| 71 | 6.1 | 0.3 | 63 |
| 160 | 6.1 | 1.0 | 86 |
| 210 | 6.0 | 0.2 | 53 |
| 158 | 5.9 | 0.0 | 85 |
| 43 | 5.7 | 0.1 | 72 |
| 187 | 5.6 | 0.5 | 110 |
| 217 | 5.5 | 0.2 | 70 |
| 64 | 5.2 | 0.4 | 53 |
| 63 | 4.6 | 0.7 | 53 |
| 151 | 4.3 | 0.1 | 112 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES REX SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 163 | 4.3 | 0.5 | 75 |
| 278 | 4.2 | 0.3 | 55 |
| 67 | 4.0 | 0.4 | 54 |
| 70 | 3.9 | 0.2 | 86 |
| 80 | 3.8 | 0.3 | 52 |
| 186 | 3.8 | 0.6 | 56 |
| 239 | 3.8 | 0.2 | 54 |
| 59 | 3.8 | 0.3 | 79 |
| 272 | 3.5 | 0.3 | 84 |
| 150 | 3.4 | 0.1 | 145 |
| 257 | 3.2 | 0.2 | 39 |
| 227 | 3.0 | 0.5 | 64 |
| 152 | 2.9 | 0.3 | 159 |
| 153 | 2.4 | 0.4 | 78 |
| 55 | 2.4 | 0.4 | 80 |
| 54 | 2.3 | 0.5 | 80 |
| 180 | 2.2 | 0.2 | 55 |
| 62 | 2.2 | 0.4 | 54 |
| 230 | 2.1 | 0.3 | 67 |
| 231 | 1.9 | 0.2 | 84 |
| 255 | 1.8 | 0.3 | 35 |
| 256 | 1.8 | 0.5 | 45 |
| 51 | 1.7 | 0.7 | 82 |
| 253 | 1.4 | 0.1 | 109 |
| 66 | 1.3 | 0.3 | 53 |
| 169 | 1.2 | 0.1 | 55 |
| 39 | 1.2 | 0.2 | 32 |
| 215 | 1.2 | 0.9 | 51 |
| 175 | 1.1 | 0.3 | 39 |
| 201 | 1.0 | 0.2 | 59 |
| 250 | 0.9 | 0.2 | 77 |
| 10 | 0.9 | 0.1 | 44 |
| 176 | 0.9 | 0.2 | 115 |
| 273 | 0.8 | 0.3 | 107 |
| 276 | 0.8 | 0.3 | 110 |
| 228 | 0.7 | 0.2 | 74 |
| 33 | 0.6 | 0.1 | 71 |
| 65 | 0.6 | 0.3 | 52 |
| 57 | 0.6 | 0.4 | 83 |
| 3 | 0.6 | 0.3 | 75 |
| 238 | 0.6 | 0.1 | 57 |
| 185 | 0.6 | 0.5 | 93 |
| 263 | 0.6 | 0.5 | 82 |
| 170 | 0.6 | 0.2 | 112 |
| 241 | 0.5 | 0.2 | 140 |
| 258 | 0.5 | 0.2 | 71 |
| 200 | 0.5 | 0.4 | 154 |
| 61 | 0.5 | 0.3 | 54 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES REX SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 173 | 0.4 | 0.7 | 84 |
| 188 | 0.4 | 0.7 | 45 |
| 234 | 0.4 | 0.2 | 50 |
| 52 | 0.3 | 0.2 | 83 |
| 205 | 0.3 | 0.2 | 42 |
| 183 | 0.3 | 0.2 | 29 |
| 178 | 0.3 | 0.1 | 38 |
| 220 | 0.3 | 0.1 | 40 |
| 219 | 0.3 | 0.1 | 83 |
| 164 | 0.3 | 0.1 | 88 |
| 214 | 0.3 | 0.2 | 56 |
| 77 | 0.3 | 0.1 | 51 |
| 60 | 0.3 | 0.2 | 83 |
| 58 | 0.2 | 0.1 | 80 |
| 259 | 0.2 | 0.1 | 23 |
| 260 | 0.2 | 0.2 | 89 |
| 248 | 0.2 | 0.2 | 137 |
| 56 | 0.2 | 0.1 | 86 |
| 172 | 0.2 | 0.1 | 77 |
| 168 | 0.1 | 0.2 | 94 |
| 226 | 0.1 | 0.2 | 71 |
| 224 | 0.1 | 0.2 | 104 |
| 38 | 0.1 | 0.1 | 114 |
| 237 | 0.1 | 0.2 | 95 |
| 2 | 0.1 | 0.1 | 45 |
| 262 | 0.1 | 0.1 | 23 |
| 252 | 0.1 | 0.1 | 17 |
| 222 | 0.1 | 0.1 | 27 |
| 179 | 0.1 | 0.1 | 39 |
| 4 | 0.1 | 0.1 | 47 |
| 165 | 0.1 | 0.1 | 98 |
| 177 | 0.1 | 0.1 | 131 |
| 254 | 0.1 | 0.1 | 145 |
| 36 | 0.1 | 0.1 | 50 |
| 29 | 0.0 | 0.1 | 45 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES YELLOWFIN SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 21 | 453.2 | 0.4 | 43 |
| 31 | 353.4 | 0.5 | 18 |
| 25 | 266.0 | 0.4 | 45 |
| 197 | 234.5 | 0.4 | 40 |
| 23 | 201.1 | 0.3 | 37 |
| 29 | 151.4 | 0.3 | 45 |
| 77 | 142.8 | 0.6 | 51 |
| 28 | 111.7 | 0.2 | 18 |
| 41 | 109.3 | 0.2 | 14 |
| 81 | 107.7 | 0.7 | 54 |
| 80 | 88.0 | 0.6 | 52 |
| 79 | 78.5 | 0.6 | 56 |
| 18 | 77.4 | 0.3 | 42 |
| 27 | 73.7 | 0.5 | 14 |
| 205 | 69.1 | 0.6 | 42 |
| 183 | 62.3 | 0.3 | 29 |
| 217 | 55.2 | 0.5 | 70 |
| 259 | 53.5 | 0.2 | 23 |
| 210 | 49.6 | 0.4 | 53 |
| 30 | 40.9 | 0.2 | 30 |
| 76 | 36.1 | 0.6 | 53 |
| 24 | 35.9 | 0.3 | 17 |
| 261 | 34.4 | 0.2 | 16 |
| 252 | 30.6 | 0.4 | 17 |
| 255 | 29.2 | 0.4 | 35 |
| 39 | 24.3 | 0.7 | 32 |
| 270 | 23.1 | 0.4 | 44 |
| 257 | 20.9 | 0.5 | 39 |
| 236 | 19.7 | 0.5 | 32 |
| 206 | 19.4 | 1.0 | 55 |
| 279 | 18.6 | 0.5 | 51 |
| 278 | 18.2 | 0.3 | 55 |
| 233 | 17.9 | 0.3 | 16 |
| 182 | 15.3 | 0.2 | 33 |
| 256 | 13.0 | 0.5 | 45 |
| 234 | 12.3 | 0.5 | 50 |
| 277 | 10.5 | 0.4 | 72 |
| 246 | 9.9 | 0.2 | 11 |
| 78 | 9.8 | 1.1 | 56 |
| 216 | 9.6 | 0.2 | 29 |
| 209 | 9.2 | 0.7 | 69 |
| 239 | 7.9 | 0.4 | 54 |
| 175 | 7.8 | 0.6 | 39 |
| 262 | 7.2 | 0.2 | 23 |
| 10 | 3.4 | 0.7 | 44 |
| 201 | 2.9 | 0.7 | 59 |
| 75 | 2.8 | 0.5 | 57 |
| 19 | 2.3 | 0.5 | 33 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES YELLOWFIN SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 215 | 2.0 | 0.6 | 51 |
| 213 | 1.4 | 0.2 | 30 |
| 1 | 0.8 | 0.3 | 37 |
| 42 | 0.8 | 0.3 | 26 |
| 16 | 0.8 | 0.6 | 41 |
| 260 | 0.4 | 0.1 | 89 |
| 15 | 0.4 | 0.7 | 49 |
| 258 | 0.3 | 0.3 | 71 |
| 280 | 0.3 | 0.2 | 61 |
| 20 | 0.3 | 0.2 | 24 |
| 199 | 0.2 | 0.2 | 17 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ROCK SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 79 | 402.7 | 0.5 | 56 |
| 12 | 388.0 | 0.4 | 35 |
| 189 | 219.0 | 0.8 | 38 |
| 213 | 205.2 | 0.4 | 30 |
| 188 | 203.8 | 0.6 | 45 |
| 18 | 173.9 | 0.2 | 42 |
| 80 | 154.0 | 0.4 | 52 |
| 81 | 143.6 | 0.4 | 54 |
| 24 | 110.7 | 0.3 | 17 |
| 74 | 107.9 | 0.4 | 39 |
| 243 | 107.3 | 0.6 | 27 |
| 15 | 96.1 | 0.4 | 49 |
| 19 | 95.3 | 0.3 | 33 |
| 42 | 91.8 | 0.3 | 26 |
| 72 | 86.0 | 0.3 | 37 |
| 6 | 83.8 | 0.5 | 48 |
| 216 | 83.5 | 0.3 | 29 |
| 223 | 81.0 | 0.4 | 27 |
| 20 | 74.8 | 0.5 | 24 |
| 7 | 69.9 | 0.4 | 28 |
| 16 | 68.3 | 0.4 | 41 |
| 50 | 63.2 | 0.3 | 37 |
| 73 | 58.9 | 0.4 | 43 |
| 202 | 51.8 | 0.3 | 41 |
| 171 | 46.6 | 0.5 | 31 |
| 207 | 45.4 | 0.6 | 32 |
| 235 | 44.9 | 0.3 | 26 |
| 222 | 43.3 | 0.4 | 27 |
| 215 | 38.9 | 0.5 | 51 |
| 178 | 36.9 | 0.5 | 38 |
| 77 | 36.8 | 0.5 | 51 |
| 27 | 36.6 | 0.3 | 14 |
| 47 | 33.4 | 0.4 | 30 |
| 280 | 30.7 | 0.4 | 61 |
| 278 | 30.2 | 0.5 | 55 |
| 39 | 29.5 | 0.4 | 32 |
| 233 | 29.1 | 0.4 | 16 |
| 257 | 28.1 | 0.5 | 39 |
| 2 | 27.0 | 0.5 | 45 |
| 214 | 26.7 | 0.4 | 56 |
| 30 | 26.7 | 0.2 | 30 |
| 217 | 26.2 | 0.5 | 70 |
| 32 | 25.9 | 0.5 | 45 |
| 181 | 25.9 | 0.6 | 41 |
| 35 | 25.1 | 0.5 | 54 |
| 221 | 24.7 | 0.6 | 18 |
| 14 | 24.0 | 0.7 | 47 |
| 270 | 22.5 | 0.3 | 44 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ROCK SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 203 | 22.0 | 0.4 | 46 |
| 65 | 21.9 | 0.3 | 52 |
| 9 | 19.8 | 0.3 | 52 |
| 22 | 19.4 | 0.4 | 19 |
| 66 | 19.2 | 0.4 | 53 |
| 205 | 19.1 | 0.9 | 42 |
| 199 | 19.0 | 0.4 | 17 |
| 25 | 18.6 | 0.4 | 45 |
| 63 | 18.4 | 0.4 | 53 |
| 17 | 18.1 | 0.3 | 19 |
| 229 | 18.0 | 0.6 | 64 |
| 218 | 18.0 | 0.5 | 38 |
| 8 | 17.9 | 0.4 | 35 |
| 212 | 16.8 | 0.6 | 39 |
| 220 | 16.7 | 0.4 | 40 |
| 186 | 16.5 | 0.8 | 56 |
| 76 | 15.5 | 0.5 | 53 |
| 3 | 15.4 | 0.7 | 75 |
| 194 | 14.8 | 0.7 | 49 |
| 31 | 13.8 | 0.5 | 18 |
| 154 | 13.4 | 0.9 | 79 |
| 279 | 13.1 | 0.7 | 51 |
| 78 | 12.8 | 0.5 | 56 |
| 36 | 12.7 | 0.4 | 50 |
| 64 | 12.4 | 0.4 | 53 |
| 175 | 12.2 | 0.8 | 39 |
| 246 | 12.0 | 0.3 | 11 |
| 44 | 11.6 | 0.4 | 71 |
| 4 | 11.4 | 0.4 | 47 |
| 69 | 10.7 | 0.3 | 53 |
| 244 | 10.7 | 0.4 | 16 |
| 179 | 9.6 | 0.5 | 39 |
| 67 | 9.3 | 0.4 | 54 |
| 28 | 9.3 | 0.5 | 18 |
| 43 | 9.1 | 0.6 | 72 |
| 180 | 9.0 | 0.7 | 55 |
| 68 | 8.7 | 0.4 | 55 |
| 268 | 7.7 | 0.3 | 42 |
| 71 | 7.6 | 0.8 | 63 |
| 62 | 7.6 | 0.4 | 54 |
| 265 | 7.3 | 0.2 | 40 |
| 34 | 7.1 | 0.5 | 44 |
| 262 | 6.9 | 0.2 | 23 |
| 226 | 6.0 | 0.7 | 71 |
| 236 | 5.9 | 0.5 | 32 |
| 197 | 5.6 | 0.8 | 40 |
| 252 | 5.2 | 0.3 | 17 |
| 266 | 5.1 | 0.2 | 35 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ROCK SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 210 | 4.6 | 0.0 | 53 |
| 190 | 4.5 | 0.6 | 30 |
| 41 | 4.2 | 0.2 | 14 |
| 11 | 4.1 | 0.1 | 44 |
| 227 | 4.1 | 0.7 | 64 |
| 10 | 4.1 | 0.3 | 44 |
| 61 | 3.9 | 0.4 | 54 |
| 75 | 3.9 | 0.2 | 57 |
| 256 | 3.8 | 0.4 | 45 |
| 259 | 3.5 | 0.5 | 23 |
| 37 | 3.4 | 0.5 | 62 |
| 230 | 3.4 | 0.7 | 67 |
| 208 | 3.3 | 0.9 | 81 |
| 261 | 3.1 | 0.2 | 16 |
| 269 | 3.0 | 0.5 | 22 |
| 234 | 2.7 | 0.5 | 50 |
| 21 | 2.6 | 0.2 | 43 |
| 23 | 2.6 | 0.5 | 37 |
| 29 | 2.5 | 0.5 | 45 |
| 250 | 2.5 | 0.5 | 77 |
| 153 | 2.4 | 0.9 | 78 |
| 272 | 2.3 | 0.7 | 84 |
| 45 | 2.3 | 0.4 | 84 |
| 219 | 2.3 | 0.5 | 83 |
| 1 | 2.1 | 0.2 | 37 |
| 238 | 1.8 | 0.0 | 57 |
| 169 | 1.8 | 0.4 | 55 |
| 204 | 1.6 | 0.5 | 71 |
| 200 | 1.5 | 0.3 | 154 |
| 183 | 1.5 | 0.8 | 29 |
| 56 | 1.2 | 0.5 | 86 |
| 182 | 1.2 | 0.6 | 33 |
| 54 | 1.2 | 0.9 | 80 |
| 162 | 1.1 | 0.5 | 113 |
| 49 | 1.1 | 0.4 | 97 |
| 191 | 1.1 | 0.6 | 103 |
| 156 | 1.1 | 0.6 | 70 |
| 271 | 1.0 | 0.8 | 75 |
| 267 | 0.9 | 0.2 | 16 |
| 195 | 0.9 | 0.7 | 69 |
| 58 | 0.8 | 0.3 | 80 |
| 251 | 0.7 | 0.3 | 21 |
| 167 | 0.7 | 0.6 | 73 |
| 57 | 0.7 | 0.5 | 83 |
| 55 | 0.6 | 0.2 | 80 |
| 248 | 0.5 | 0.9 | 137 |
| 70 | 0.5 | 0.5 | 86 |
| 13 | 0.5 | 0.7 | 34 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES SABLEFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 229 | 773.7 | 1.6 | 64 |
| 169 | 617.1 | 1.6 | 55 |
| 90 | 369.6 | 2.6 | 191 |
| 40 | 348.0 | 2.4 | 99 |
| 91 | 255.5 | 2.6 | 177 |
| 175 | 227.0 | 1.5 | 39 |
| 98 | 184.6 | 2.5 | 92 |
| 82 | 178.5 | 2.3 | 132 |
| 162 | 178.4 | 2.1 | 113 |
| 158 | 173.8 | 2.3 | 85 |
| 83 | 150.4 | 2.3 | 140 |
| 94 | 117.7 | 2.1 | 172 |
| 92 | 105.7 | 2.4 | 171 |
| 95 | 97.0 | 2.6 | 174 |
| 84 | 90.9 | 2.2 | 145 |
| 185 | 82.5 | 2.3 | 93 |
| 87 | 78.4 | 2.4 | 145 |
| 176 | 76.0 | 3.3 | 115 |
| 154 | 75.6 | 1.5 | 79 |
| 248 | 74.6 | 3.2 | 137 |
| 191 | 73.9 | 1.8 | 103 |
| 241 | 66.0 | 2.7 | 140 |
| 88 | 64.0 | 2.4 | 151 |
| 253 | 54.2 | 2.1 | 109 |
| 161 | 51.1 | 2.8 | 106 |
| 160 | 50.4 | 2.1 | 86 |
| 193 | 49.1 | 2.7 | 126 |
| 97 | 47.0 | 2.3 | 77 |
| 177 | 44.1 | 3.4 | 131 |
| 93 | 36.0 | 2.1 | 174 |
| 96 | 35.5 | 2.3 | 172 |
| 157 | 34.4 | 1.4 | 80 |
| 187 | 31.9 | 2.1 | 110 |
| 225 | 31.7 | 2.9 | 102 |
| 86 | 31.7 | 2.1 | 134 |
| 174 | 25.7 | 2.7 | 118 |
| 180 | 23.9 | 1.4 | 55 |
| 159 | 22.0 | 2.7 | 98 |
| 271 | 20.5 | 1.7 | 75 |
| 170 | 20.3 | 2.1 | 112 |
| 273 | 20.1 | 2.4 | 107 |
| 238 | 15.1 | 1.5 | 57 |
| 153 | 13.5 | 1.5 | 78 |
| 165 | 12.5 | 1.7 | 98 |
| 70 | 11.6 | 2.4 | 86 |
| 219 | 11.3 | 1.8 | 83 |
| 152 | 11.3 | 2.0 | 159 |
| 80 | 11.0 | 1.0 | 52 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES SABLEFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 150 | 9.8 | 2.4 | 145 |
| 173 | 8.6 | 2.2 | 84 |
| 264 | 8.5 | 2.3 | 83 |
| 276 | 7.8 | 4.2 | 110 |
| 192 | 7.6 | 2.2 | 106 |
| 274 | 6.5 | 3.4 | 101 |
| 230 | 6.4 | 1.6 | 67 |
| 196 | 5.7 | 1.5 | 68 |
| 164 | 5.5 | 1.5 | 88 |
| 254 | 5.3 | 1.8 | 145 |
| 163 | 4.7 | 1.4 | 75 |
| 49 | 4.4 | 2.4 | 97 |
| 240 | 4.1 | 4.1 | 120 |
| 275 | 3.8 | 3.2 | 105 |
| 195 | 3.7 | 1.5 | 69 |
| 272 | 3.5 | 1.8 | 84 |
| 85 | 3.4 | 1.4 | 123 |
| 258 | 3.4 | 1.4 | 71 |
| 57 | 2.7 | 1.8 | 83 |
| 30 | 2.5 | 0.2 | 30 |
| 224 | 1.9 | 3.2 | 104 |
| 277 | 1.9 | 0.9 | 72 |
| 56 | 1.8 | 1.4 | 86 |
| 55 | 1.8 | 1.4 | 80 |
| 54 | 1.7 | 1.4 | 80 |
| 237 | 1.4 | 2.3 | 95 |
| 33 | 1.4 | 1.2 | 71 |
| 166 | 1.3 | 2.0 | 106 |
| 58 | 1.2 | 0.5 | 80 |
| 89 | 1.1 | 1.8 | 123 |
| 197 | 1.0 | 0.5 | 40 |
| 280 | 1.0 | 1.5 | 61 |
| 260 | 0.9 | 1.5 | 89 |
| 263 | 0.9 | 1.5 | 82 |
| 250 | 0.9 | 1.4 | 77 |
| 38 | 0.8 | 1.4 | 114 |
| 261 | 0.8 | 0.6 | 16 |
| 18 | 0.7 | 0.5 | 42 |
| 257 | 0.6 | 0.9 | 39 |
| 41 | 0.5 | 0.5 | 14 |
| 255 | 0.3 | 0.4 | 35 |
| 31 | 0.3 | 0.1 | 18 |
| 28 | 0.1 | 0.1 | 18 |
| 29 | 0.1 | 0.1 | 45 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC COD

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 63 | 2885.1 | 2.1 | 53 |
| 46 | 2022.6 | 1.0 | 39 |
| 69 | 464.1 | 2.1 | 53 |
| 50 | 450.1 | 1.8 | 37 |
| 180 | 434.9 | 1.8 | 55 |
| 188 | 394.6 | 2.4 | 45 |
| 42 | 213.2 | 0.4 | 26 |
| 11 | 197.6 | 1.1 | 44 |
| 21 | 164.2 | 1.7 | 43 |
| 154 | 154.6 | 1.6 | 79 |
| 67 | 148.3 | 1.8 | 54 |
| 45 | 147.4 | 2.2 | 84 |
| 66 | 144.1 | 1.5 | 53 |
| 18 | 125.0 | 2.7 | 42 |
| 44 | 124.7 | 1.9 | 71 |
| 181 | 121.3 | 2.1 | 41 |
| 195 | 120.7 | 2.6 | 69 |
| 2 | 119.7 | 2.6 | 45 |
| 175 | 116.3 | 1.8 | 39 |
| 189 | 108.7 | 3.0 | 38 |
| 64 | 105.2 | 1.3 | 53 |
| 241 | 102.0 | 3.1 | 140 |
| 77 | 100.9 | 2.4 | 51 |
| 191 | 99.4 | 2.5 | 103 |
| 250 | 97.8 | 2.1 | 77 |
| 200 | 88.4 | 2.6 | 154 |
| 264 | 85.9 | 1.8 | 83 |
| 80 | 77.0 | 1.6 | 52 |
| 171 | 76.1 | 1.1 | 31 |
| 65 | 73.8 | 1.0 | 52 |
| 238 | 69.6 | 1.1 | 57 |
| 79 | 68.7 | 3.1 | 56 |
| 210 | 68.4 | 3.6 | 53 |
| 58 | 65.9 | 2.8 | 80 |
| 23 | 65.4 | 2.2 | 37 |
| 12 | 64.8 | 0.6 | 35 |
| 33 | 64.7 | 1.8 | 71 |
| 56 | 63.5 | 2.8 | 86 |
| 176 | 62.8 | 2.6 | 115 |
| 211 | 59.7 | 2.4 | 96 |
| 35 | 59.5 | 0.9 | 54 |
| 53 | 59.1 | 2.5 | 83 |
| 3 | 58.7 | 3.5 | 75 |
| 162 | 56.0 | 2.4 | 113 |
| 31 | 55.4 | 1.5 | 18 |
| 157 | 52.3 | 1.1 | 80 |
| 40 | 52.2 | 2.1 | 99 |
| 198 | 51.5 | 2.8 | 96 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC COD

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 15 | 51.0 | 0.8 | 49 |
| 75 | 50.9 | 2.8 | 57 |
| 52 | 50.3 | 2.8 | 83 |
| 209 | 48.9 | 2.5 | 69 |
| 169 | 48.9 | 2.1 | 55 |
| 196 | 47.9 | 2.8 | 68 |
| 167 | 47.7 | 2.5 | 73 |
| 6 | 46.5 | 2.5 | 48 |
| 43 | 45.6 | 4.7 | 72 |
| 59 | 45.4 | 2.7 | 79 |
| 57 | 45.4 | 3.0 | 83 |
| 274 | 44.0 | 2.7 | 101 |
| 54 | 43.6 | 2.8 | 80 |
| 39 | 42.2 | 2.2 | 32 |
| 248 | 41.8 | 3.3 | 137 |
| 185 | 40.4 | 2.5 | 93 |
| 239 | 40.3 | 2.8 | 54 |
| 263 | 40.2 | 2.2 | 82 |
| 172 | 39.9 | 2.4 | 77 |
| 280 | 39.4 | 2.0 | 61 |
| 217 | 39.3 | 1.6 | 70 |
| 227 | 39.0 | 1.7 | 64 |
| 158 | 39.0 | 1.4 | 85 |
| 276 | 38.9 | 3.1 | 110 |
| 4 | 38.7 | 2.5 | 47 |
| 160 | 37.7 | 1.9 | 86 |
| 49 | 36.0 | 2.3 | 97 |
| 258 | 34.7 | 2.1 | 71 |
| 151 | 34.5 | 2.6 | 112 |
| 60 | 33.2 | 2.6 | 83 |
| 275 | 33.1 | 3.5 | 105 |
| 215 | 32.5 | 1.2 | 51 |
| 214 | 32.0 | 0.9 | 56 |
| 55 | 31.0 | 2.6 | 80 |
| 51 | 31.0 | 2.5 | 82 |
| 271 | 30.9 | 1.8 | 75 |
| 30 | 29.0 | 0.4 | 30 |
| 68 | 28.9 | 1.3 | 55 |
| 153 | 27.6 | 1.6 | 78 |
| 201 | 27.4 | 3.2 | 59 |
| 187 | 27.3 | 2.7 | 110 |
| 193 | 26.0 | 3.4 | 126 |
| 78 | 25.6 | 2.8 | 56 |
| 219 | 25.5 | 2.0 | 83 |
| 197 | 25.5 | 0.0 | 40 |
| 226 | 24.5 | 2.2 | 71 |
| 240 | 23.5 | 2.6 | 120 |
| 174 | 22.7 | 2.2 | 118 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC COD

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 270 | 21.8 | 1.0 | 44 |
| 266 | 21.5 | 3.1 | 35 |
| 225 | 21.0 | 2.7 | 102 |
| 205 | 20.3 | 3.3 | 42 |
| 8 | 20.1 | 1.3 | 35 |
| 165 | 19.7 | 2.3 | 98 |
| 255 | 19.7 | 1.9 | 35 |
| 203 | 19.5 | 1.3 | 46 |
| 29 | 19.5 | 1.5 | 45 |
| 37 | 19.2 | 0.9 | 62 |
| 229 | 19.0 | 1.3 | 64 |
| 161 | 18.2 | 1.6 | 106 |
| 168 | 17.8 | 2.3 | 94 |
| 41 | 17.5 | 0.6 | 14 |
| 17 | 17.5 | 3.7 | 19 |
| 19 | 17.2 | 1.7 | 33 |
| 208 | 16.7 | 2.2 | 81 |
| 260 | 16.6 | 1.9 | 89 |
| 237 | 16.1 | 2.5 | 95 |
| 278 | 16.0 | 1.1 | 55 |
| 86 | 15.4 | 2.0 | 134 |
| 94 | 15.3 | 2.3 | 172 |
| 16 | 13.7 | 5.0 | 41 |
| 257 | 13.5 | 1.6 | 39 |
| 177 | 13.2 | 3.2 | 131 |
| 28 | 13.0 | 0.8 | 18 |
| 234 | 12.6 | 2.4 | 50 |
| 152 | 12.6 | 2.5 | 159 |
| 253 | 12.5 | 2.8 | 109 |
| 223 | 12.2 | 0.2 | 27 |
| 9 | 12.2 | 1.9 | 52 |
| 272 | 12.1 | 1.7 | 84 |
| 150 | 11.8 | 2.9 | 145 |
| 72 | 11.5 | 0.3 | 37 |
| 159 | 11.1 | 1.5 | 98 |
| 265 | 10.9 | 3.5 | 40 |
| 235 | 10.6 | 0.7 | 26 |
| 192 | 10.5 | 3.0 | 106 |
| 97 | 10.3 | 1.6 | 77 |
| 89 | 10.3 | 1.7 | 123 |
| 236 | 10.1 | 1.6 | 32 |
| 166 | 10.0 | 2.2 | 106 |
| 273 | 9.3 | 2.1 | 107 |
| 71 | 9.2 | 1.3 | 63 |
| 10 | 9.2 | 2.7 | 44 |
| 254 | 8.5 | 1.8 | 145 |
| 25 | 8.4 | 0.7 | 45 |
| 183 | 8.3 | 2.1 | 29 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC COD

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 279 | 8.0 | 2.9 | 51 |
| 220 | 7.8 | 0.4 | 40 |
| 1 | 7.8 | 0.2 | 37 |
| 62 | 7.6 | 1.0 | 54 |
| 230 | 7.5 | 1.9 | 67 |
| 61 | 7.2 | 1.2 | 54 |
| 82 | 6.9 | 1.8 | 132 |
| 38 | 6.8 | 2.4 | 114 |
| 261 | 6.1 | 2.0 | 16 |
| 268 | 6.0 | 0.7 | 42 |
| 228 | 5.6 | 2.3 | 74 |
| 27 | 5.4 | 0.3 | 14 |
| 178 | 5.3 | 0.9 | 38 |
| 252 | 5.2 | 4.1 | 17 |
| 256 | 5.0 | 1.9 | 45 |
| 92 | 4.1 | 1.8 | 171 |
| 277 | 3.8 | 2.7 | 72 |
| 88 | 3.6 | 2.0 | 151 |
| 98 | 3.4 | 0.9 | 92 |
| 87 | 3.4 | 1.8 | 145 |
| 216 | 3.3 | 1.6 | 29 |
| 36 | 3.1 | 0.8 | 50 |
| 96 | 3.1 | 2.3 | 172 |
| 20 | 3.1 | 0.4 | 24 |
| 164 | 3.0 | 2.4 | 88 |
| 246 | 2.6 | 0.0 | 11 |
| 182 | 2.4 | 3.6 | 33 |
| 70 | 2.2 | 4.1 | 86 |
| 221 | 2.1 | 0.6 | 18 |
| 47 | 2.0 | 0.8 | 30 |
| 24 | 1.9 | 0.1 | 17 |
| 202 | 1.6 | 0.8 | 41 |
| 156 | 1.3 | 0.6 | 70 |
| 93 | 1.2 | 1.8 | 174 |
| 170 | 1.1 | 1.8 | 112 |
| 7 | 1.0 | 0.5 | 28 |
| 204 | 1.0 | 1.6 | 71 |
| 179 | 0.9 | 0.6 | 39 |
| 262 | 0.8 | 0.2 | 23 |
| 243 | 0.6 | 0.2 | 27 |
| 222 | 0.5 | 0.1 | 27 |
| 163 | 0.3 | 0.5 | 75 |
| 259 | 0.3 | 0.2 | 23 |
| 218 | 0.2 | 0.2 | 38 |
| 267 | 0.1 | 0.2 | 16 |
| 233 | 0.1 | 0.1 | 16 |
| 14 | 0.1 | 0.1 | 47 |
| 199 | 0.1 | 0.0 | 17 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC COD

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 32 | 0.1 | 0.1 | 45 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES WALLEYE POLLOCK

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 81 | 13137.9 | 0.6 | 54 |
| 79 | 8023.8 | 0.6 | 56 |
| 80 | 6766.8 | 0.4 | 52 |
| 78 | 6432.4 | 0.4 | 56 |
| 76 | 5667.6 | 0.6 | 53 |
| 209 | 4065.2 | 0.3 | 69 |
| 208 | 1426.7 | 1.1 | 81 |
| 217 | 1413.3 | 1.1 | 70 |
| 44 | 1361.7 | 0.9 | 71 |
| 71 | 1307.1 | 0.4 | 63 |
| 43 | 1267.2 | 0.9 | 72 |
| 206 | 1143.4 | 0.9 | 55 |
| 75 | 1033.9 | 1.0 | 57 |
| 181 | 1007.2 | 1.2 | 41 |
| 231 | 805.9 | 1.1 | 84 |
| 211 | 700.5 | 0.8 | 96 |
| 197 | 661.5 | 0.8 | 40 |
| 154 | 651.8 | 0.6 | 79 |
| 39 | 638.9 | 1.0 | 32 |
| 204 | 613.6 | 1.0 | 71 |
| 270 | 576.3 | 0.3 | 44 |
| 171 | 555.8 | 0.8 | 31 |
| 276 | 543.6 | 0.7 | 110 |
| 45 | 531.0 | 0.9 | 84 |
| 239 | 529.9 | 0.9 | 54 |
| 198 | 489.3 | 0.4 | 96 |
| 219 | 488.9 | 1.1 | 83 |
| 58 | 452.3 | 0.8 | 80 |
| 56 | 446.9 | 1.1 | 86 |
| 236 | 435.3 | 1.1 | 32 |
| 21 | 415.6 | 0.1 | 43 |
| 51 | 377.8 | 1.0 | 82 |
| 253 | 364.5 | 0.3 | 109 |
| 201 | 361.7 | 0.9 | 59 |
| 275 | 335.4 | 0.6 | 105 |
| 54 | 318.1 | 1.2 | 80 |
| 77 | 313.0 | 0.5 | 51 |
| 237 | 304.0 | 0.7 | 95 |
| 57 | 304.0 | 1.0 | 83 |
| 272 | 298.7 | 0.9 | 84 |
| 271 | 296.5 | 1.0 | 75 |
| 256 | 293.6 | 0.5 | 45 |
| 40 | 293.0 | 1.2 | 99 |
| 52 | 285.2 | 1.2 | 83 |
| 55 | 239.3 | 1.1 | 80 |
| 9 | 236.2 | 0.8 | 52 |
| 263 | 234.6 | 1.0 | 82 |
| 60 | 233.8 | 1.2 | 83 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES WALLEYE POLLOCK

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 6 | 223.2 | 0.8 | 48 |
| 280 | 220.8 | 0.7 | 61 |
| 94 | 213.2 | 1.1 | 172 |
| 53 | 211.9 | 1.3 | 83 |
| 176 | 210.6 | 0.6 | 115 |
| 214 | 208.3 | 0.4 | 56 |
| 59 | 199.7 | 0.8 | 79 |
| 18 | 197.5 | 0.8 | 42 |
| 255 | 187.8 | 0.2 | 35 |
| 170 | 157.2 | 0.7 | 112 |
| 277 | 155.4 | 0.7 | 72 |
| 257 | 152.6 | 0.5 | 39 |
| 205 | 148.7 | 1.1 | 42 |
| 274 | 125.5 | 0.6 | 101 |
| 234 | 124.8 | 0.8 | 50 |
| 168 | 123.8 | 1.1 | 94 |
| 200 | 123.6 | 0.9 | 154 |
| 25 | 122.5 | 0.2 | 45 |
| 241 | 120.8 | 0.5 | 140 |
| 153 | 116.6 | 0.6 | 78 |
| 151 | 114.6 | 0.8 | 112 |
| 167 | 111.1 | 0.7 | 73 |
| 8 | 110.6 | 0.8 | 35 |
| 174 | 108.2 | 0.9 | 118 |
| 85 | 103.2 | 1.0 | 123 |
| 172 | 102.4 | 0.9 | 77 |
| 250 | 93.2 | 1.5 | 77 |
| 254 | 90.1 | 0.3 | 145 |
| 89 | 89.4 | 1.1 | 123 |
| 196 | 86.4 | 1.1 | 68 |
| 264 | 85.9 | 0.9 | 83 |
| 273 | 84.9 | 0.8 | 107 |
| 30 | 83.1 | 0.1 | 30 |
| 4 | 74.7 | 0.9 | 47 |
| 210 | 72.1 | 0.9 | 53 |
| 29 | 72.0 | 0.1 | 45 |
| 31 | 65.7 | 1.2 | 18 |
| 82 | 63.5 | 1.0 | 132 |
| 240 | 58.5 | 0.6 | 120 |
| 7 | 57.9 | 0.8 | 28 |
| 260 | 56.1 | 0.6 | 89 |
| 160 | 54.2 | 1.1 | 86 |
| 258 | 52.7 | 0.8 | 71 |
| 191 | 52.0 | 1.2 | 103 |
| 248 | 50.6 | 0.6 | 137 |
| 177 | 46.0 | 0.7 | 131 |
| 49 | 44.5 | 0.8 | 97 |
| 41 | 43.5 | 1.0 | 14 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES WALLEYE POLLOCK

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 166 | 41.6 | 1.1 | 106 |
| 224 | 37.9 | 1.1 | 104 |
| 279 | 37.3 | 0.7 | 51 |
| 150 | 36.9 | 0.4 | 145 |
| 23 | 35.6 | 0.1 | 37 |
| 87 | 32.2 | 1.1 | 145 |
| 10 | 29.4 | 0.3 | 44 |
| 165 | 25.9 | 0.9 | 98 |
| 93 | 21.4 | 1.0 | 174 |
| 83 | 19.8 | 1.0 | 140 |
| 238 | 19.1 | 1.0 | 57 |
| 88 | 17.6 | 1.2 | 151 |
| 91 | 16.9 | 0.7 | 177 |
| 161 | 16.5 | 1.0 | 106 |
| 92 | 16.5 | 1.1 | 171 |
| 225 | 15.7 | 0.9 | 102 |
| 164 | 15.6 | 1.0 | 88 |
| 98 | 14.9 | 0.9 | 92 |
| 278 | 13.3 | 0.6 | 55 |
| 96 | 12.6 | 1.0 | 172 |
| 28 | 12.2 | 0.2 | 18 |
| 95 | 11.7 | 1.2 | 174 |
| 3 | 11.5 | 0.9 | 75 |
| 228 | 10.9 | 1.1 | 74 |
| 183 | 10.3 | 0.3 | 29 |
| 84 | 8.4 | 0.9 | 145 |
| 11 | 8.0 | 0.0 | 44 |
| 158 | 6.4 | 0.8 | 85 |
| 157 | 6.4 | 0.9 | 80 |
| 159 | 6.2 | 0.5 | 98 |
| 173 | 5.9 | 0.3 | 84 |
| 14 | 5.5 | 0.0 | 47 |
| 182 | 5.4 | 1.0 | 33 |
| 86 | 5.2 | 0.9 | 134 |
| 261 | 4.2 | 0.1 | 16 |
| 195 | 3.7 | 1.0 | 69 |
| 162 | 3.7 | 0.6 | 113 |
| 38 | 3.5 | 0.5 | 114 |
| 20 | 3.1 | 0.8 | 24 |
| 1 | 3.0 | 0.0 | 37 |
| 163 | 2.4 | 0.6 | 75 |
| 169 | 2.3 | 1.3 | 55 |
| 17 | 2.1 | 1.1 | 19 |
| 68 | 2.1 | 1.1 | 55 |
| 192 | 1.8 | 0.6 | 106 |
| 266 | 1.6 | 0.1 | 35 |
| 262 | 1.5 | 0.2 | 23 |
| 188 | 1.4 | 2.3 | 45 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES SHORTSPINE THORNYHEAD

| HAUL | CATCH KG/1 0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 91 | 88.1 | 0.3 | 177 |
| 83 | 67.5 | 0.3 | 140 |
| 92 | 62.9 | 0.3 | 171 |
| 84 | 58.4 | 0.3 | 145 |
| 82 | 52.0 | 0.3 | 132 |
| 88 | 51.4 | 0.3 | 151 |
| 87 | 36.5 | 0.3 | 145 |
| 94 | 35.4 | 0.3 | 172 |
| 86 | 34.0 | 0.3 | 134 |
| 90 | 31.8 | 0.3 | 191 |
| 95 | 30.3 | 0.3 | 174 |
| 93 | 29.6 | 0.3 | 174 |
| 96 | 26.7 | 0.3 | 172 |
| 85 | 8.0 | 0.3 | 123 |
| 89 | 4.7 | 0.3 | 123 |
| 97 | 0.4 | 0.1 | 77 |
| 98 | 0.2 | 0.2 | 92 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ROUGHEYE ROCKFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 95 | 41.9 | 1.8 | 174 |
| 93 | 36.9 | 1.8 | 174 |
| 94 | 34.0 | 1.6 | 172 |
| 70 | 30.9 | 0.7 | 86 |
| 91 | 29.4 | 1.6 | 177 |
| 92 | 27.3 | 1.6 | 171 |
| 248 | 25.8 | 1.2 | 137 |
| 90 | 23.0 | 1.7 | 191 |
| 96 | 18.8 | 1.5 | 172 |
| 98 | 16.6 | 0.3 | 92 |
| 49 | 12.2 | 0.8 | 97 |
| 152 | 9.5 | 0.6 | 159 |
| 174 | 8.7 | 0.9 | 118 |
| 151 | 8.0 | 0.7 | 112 |
| 231 | 6.8 | 0.5 | 84 |
| 208 | 6.7 | 0.9 | 81 |
| 192 | 6.6 | 0.5 | 106 |
| 241 | 5.7 | 1.4 | 140 |
| 211 | 5.7 | 0.8 | 96 |
| 237 | 5.7 | 1.8 | 95 |
| 83 | 5.6 | 1.4 | 140 |
| 253 | 5.5 | 1.0 | 109 |
| 254 | 5.2 | 1.5 | 145 |
| 170 | 4.4 | 0.6 | 112 |
| 177 | 4.3 | 1.0 | 131 |
| 224 | 4.3 | 0.5 | 104 |
| 87 | 4.3 | 1.1 | 145 |
| 150 | 4.2 | 0.6 | 145 |
| 176 | 3.8 | 1.0 | 115 |
| 84 | 3.6 | 1.4 | 145 |
| 56 | 3.0 | 1.1 | 86 |
| 275 | 2.3 | 0.6 | 105 |
| 228 | 2.2 | 0.5 | 74 |
| 250 | 1.8 | 0.4 | 77 |
| 86 | 1.7 | 1.4 | 134 |
| 53 | 1.7 | 0.7 | 83 |
| 165 | 1.7 | 0.9 | 98 |
| 88 | 1.7 | 1.4 | 151 |
| 171 | 1.7 | 2.5 | 31 |
| 75 | 1.7 | 0.7 | 57 |
| 193 | 1.4 | 1.1 | 126 |
| 166 | 1.3 | 1.0 | 106 |
| 97 | 1.0 | 0.7 | 77 |
| 161 | 0.8 | 0.7 | 106 |
| 160 | 0.8 | 0.6 | 86 |
| 51 | 0.6 | 0.5 | 82 |
| 173 | 0.4 | 0.7 | 84 |
| 256 | 0.4 | 0.1 | 45 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ROUGHEYE ROCKFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 167 | 0.4 | 0.7 | 73 |
| 206 | 0.3 | 0.1 | 55 |
| 274 | 0.3 | 0.2 | 101 |
| 159 | 0.3 | 0.5 | 98 |
| 255 | 0.1 | 0.1 | 35 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC OCEAN PERCH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 187 | 282.8 | 0.9 | 110 |
| 86 | 185.8 | 0.6 | 134 |
| 83 | 131.8 | 0.6 | 140 |
| 82 | 105.7 | 0.6 | 132 |
| 87 | 84.1 | 0.6 | 145 |
| 88 | 67.1 | 0.6 | 151 |
| 84 | 57.2 | 0.6 | 145 |
| 94 | 52.7 | 0.6 | 172 |
| 91 | 44.1 | 0.6 | 177 |
| 92 | 40.2 | 0.6 | 171 |
| 191 | 33.0 | 1.0 | 103 |
| 93 | 22.8 | 0.6 | 174 |
| 61 | 16.3 | 0.2 | 54 |
| 96 | 15.1 | 0.7 | 172 |
| 95 | 10.0 | 0.6 | 174 |
| 89 | 8.6 | 0.7 | 123 |
| 90 | 6.8 | 0.6 | 191 |
| 85 | 6.3 | 0.7 | 123 |
| 98 | 5.7 | 0.3 | 92 |
| 192 | 5.0 | 0.7 | 106 |
| 156 | 3.4 | 0.3 | 70 |
| 158 | 3.0 | 0.5 | 85 |
| 220 | 2.9 | 0.1 | 40 |
| 69 | 2.4 | 0.1 | 53 |
| 62 | 1.8 | 0.1 | 54 |
| 188 | 1.7 | 0.9 | 45 |
| 157 | 1.5 | 1.1 | 80 |
| 218 | 1.4 | 0.1 | 38 |
| 193 | 1.3 | 1.0 | 126 |
| 11 | 1.2 | 0.1 | 44 |
| 250 | 1.2 | 0.9 | 77 |
| 64 | 1.0 | 0.2 | 53 |
| 2 | 0.9 | 0.1 | 45 |
| 32 | 0.9 | 0.1 | 45 |
| 212 | 0.9 | 0.1 | 39 |
| 159 | 0.9 | 0.3 | 98 |
| 173 | 0.7 | 1.1 | 84 |
| 67 | 0.7 | 0.1 | 54 |
| 34 | 0.6 | 0.1 | 44 |
| 225 | 0.6 | 0.3 | 102 |
| 226 | 0.6 | 0.2 | 71 |
| 160 | 0.5 | 0.3 | 86 |
| 208 | 0.3 | 0.1 | 81 |
| 161 | 0.3 | 0.5 | 106 |
| 224 | 0.3 | 0.5 | 104 |
| 219 | 0.1 | 0.1 | 83 |
| 65 | 0.1 | 0.1 | 52 |
| 269 | 0.1 | 0.1 | 22 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC OCEAN PERCH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 4 | 0.1 | 0.1 | 47 |
| 203 | 0.1 | 0.1 | 46 |
| 23 | 0.1 | 0.1 | 37 |
| 12 | 0.1 | 0.1 | 35 |
| 70 | 0.1 | 0.1 | 86 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES DUSKY ROCKFISH

| HAUL | CATCH KG/1 0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 184 | 185.7 | 1.2 | 38 |
| 175 | 87.7 | 0.9 | 39 |
| 181 | 21.2 | 1.0 | 41 |
| 191 | 10.8 | 1.3 | 103 |
| 178 | 7.9 | 2.7 | 38 |
| 250 | 7.0 | 0.9 | 77 |
| 192 | 6.5 | 1.0 | 106 |
| 270 | 5.3 | 0.4 | 44 |
| 156 | 5.3 | 1.0 | 70 |
| 280 | 5.1 | 1.1 | 61 |
| 61 | 4.6 | 0.8 | 54 |
| 82 | 3.5 | 0.9 | 132 |
| 42 | 3.0 | 0.6 | 26 |
| 46 | 2.9 | 1.1 | 39 |
| 62 | 2.7 | 1.4 | 54 |
| 220 | 2.6 | 0.1 | 40 |
| 186 | 2.3 | 1.2 | 56 |
| 187 | 2.2 | 1.8 | 110 |
| 179 | 2.1 | 2.7 | 39 |
| 86 | 1.7 | 1.4 | 134 |
| 53 | 1.7 | 1.4 | 83 |
| 189 | 1.4 | 1.1 | 38 |
| 157 | 1.2 | 0.9 | 80 |
| 166 | 1.2 | 1.8 | 106 |
| 264 | 1.1 | 1.7 | 83 |
| 193 | 0.9 | 1.4 | 126 |
| 87 | 0.9 | 1.4 | 145 |
| 161 | 0.8 | 1.4 | 106 |
| 88 | 0.8 | 1.4 | 151 |
| 89 | 0.8 | 1.4 | 123 |
| 51 | 0.8 | 0.7 | 82 |
| 171 | 0.8 | 0.4 | 31 |
| 227 | 0.8 | 1.4 | 64 |
| 58 | 0.6 | 0.5 | 80 |
| 160 | 0.6 | 0.9 | 86 |
| 235 | 0.5 | 0.9 | 26 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES NORTHERN ROCKFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 184 | 2694.1 | 0.8 | 38 |
| 61 | 135.3 | 0.5 | 54 |
| 220 | 48.8 | 0.2 | 40 |
| 186 | 35.6 | 0.5 | 56 |
| 62 | 26.9 | 0.6 | 54 |
| 34 | 22.5 | 0.3 | 44 |
| 69 | 15.1 | 0.5 | 53 |
| 64 | 13.8 | 0.6 | 53 |
| 82 | 6.9 | 0.5 | 132 |
| 67 | 6.7 | 0.6 | 54 |
| 212 | 6.6 | 0.4 | 39 |
| 1 | 5.6 | 0.1 | 37 |
| 2 | 5.1 | 0.3 | 45 |
| 181 | 4.7 | 0.3 | 41 |
| 83 | 4.3 | 0.5 | 140 |
| 187 | 3.3 | 0.7 | 110 |
| 89 | 2.8 | 0.6 | 123 |
| 84 | 2.4 | 0.6 | 145 |
| 32 | 2.2 | 0.2 | 45 |
| 86 | 1.7 | 0.5 | 134 |
| 270 | 1.5 | 0.2 | 44 |
| 201 | 1.5 | 0.2 | 59 |
| 94 | 1.5 | 0.5 | 172 |
| 179 | 1.4 | 0.9 | 39 |
| 226 | 1.0 | 0.5 | 71 |
| 65 | 0.9 | 1.0 | 52 |
| 189 | 0.9 | 0.7 | 38 |
| 235 | 0.8 | 0.1 | 26 |
| 68 | 0.6 | 0.7 | 55 |
| 225 | 0.6 | 0.9 | 102 |
| 87 | 0.6 | 0.5 | 145 |
| 92 | 0.5 | 0.5 | 171 |
| 66 | 0.4 | 0.5 | 53 |
| 6 | 0.4 | 0.7 | 48 |
| 243 | 0.3 | 0.1 | 27 |
| 218 | 0.2 | 0.2 | 38 |
| 171 | 0.2 | 0.0 | 31 |
| 219 | 0.2 | 0.1 | 83 |
| 11 | 0.1 | 0.1 | 44 |
| 52 | 0.1 | 0.1 | 83 |
| 269 | 0.1 | 0.1 | 22 |
| 216 | 0.1 | 0.1 | 29 |
| 203 | 0.1 | 0.1 | 46 |

SECTION 4

Fishing log for the Nore-Dick

Station charts of haul numbers plotted adjacent to their respective geographical locations

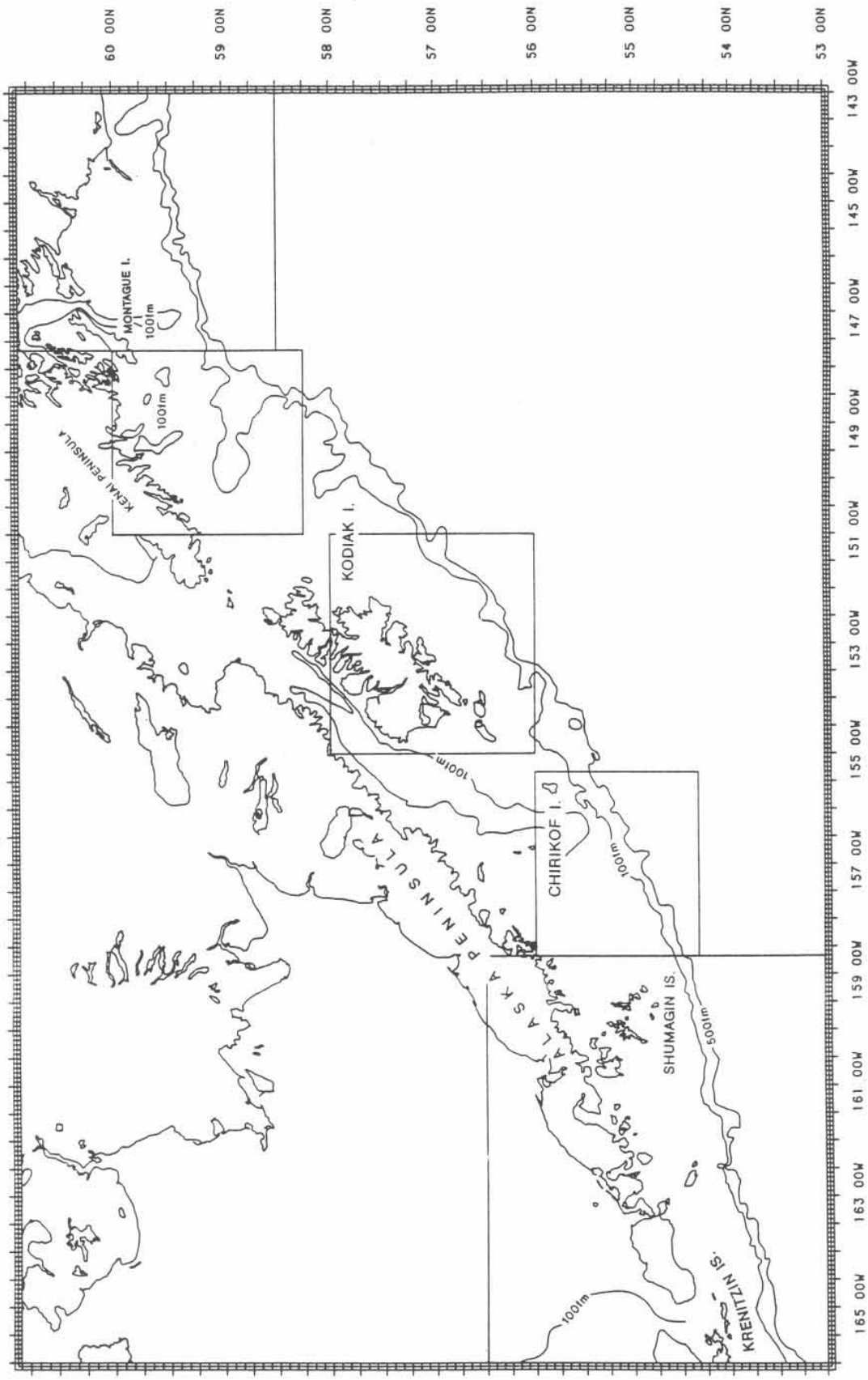


Figure 46.--Areas surveyed from May 31-July 25, 1987 by the U.S. chartered trawler Nore-Dick (hauls 1-145) and cited in Figures 47-51.

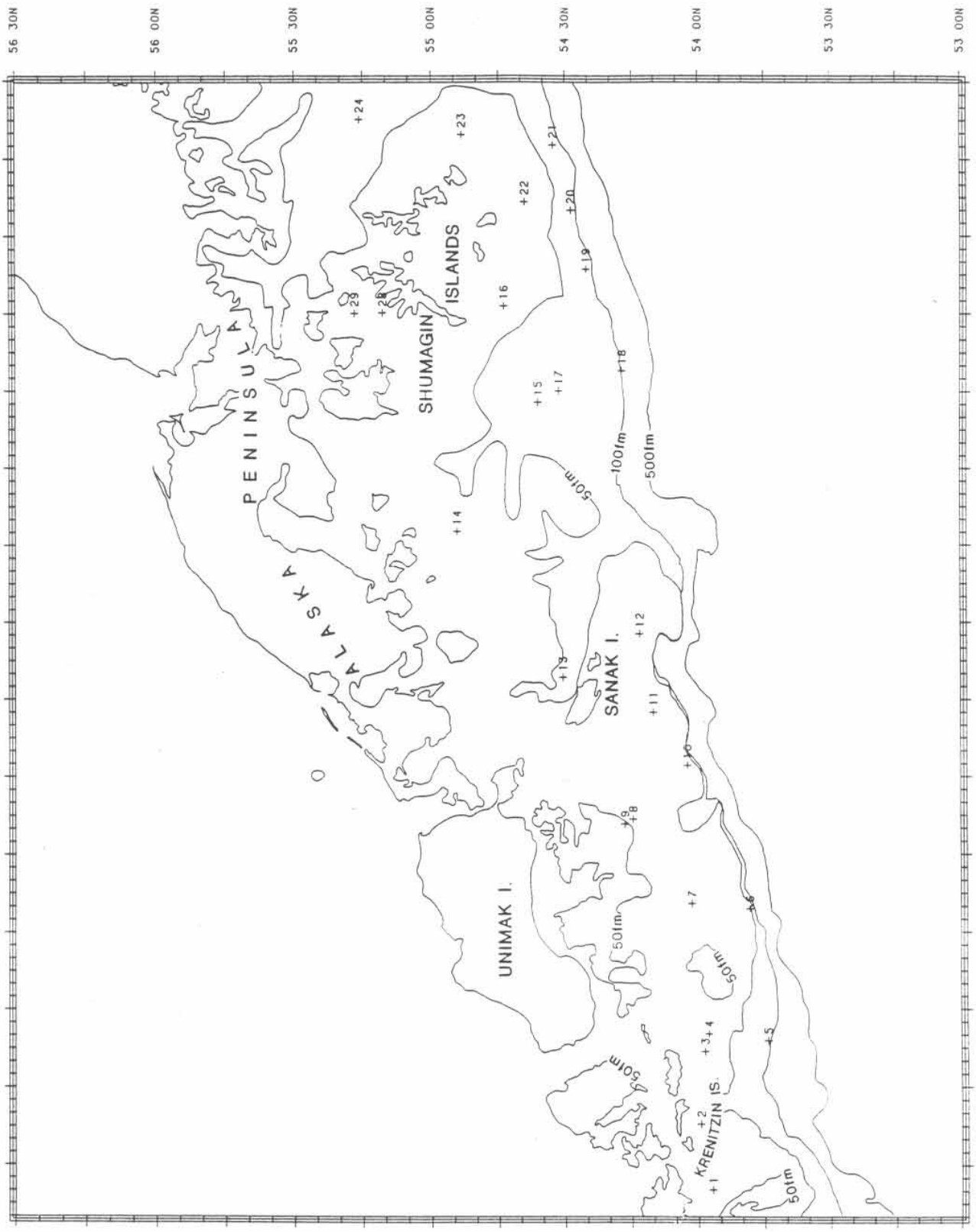


Figure 47.--Stations surveyed by the U.S. chartered trawler Nore-Dick in the Krenitzin Islands and Shumagin Islands areas (hauls 1-24, 28 and 29).

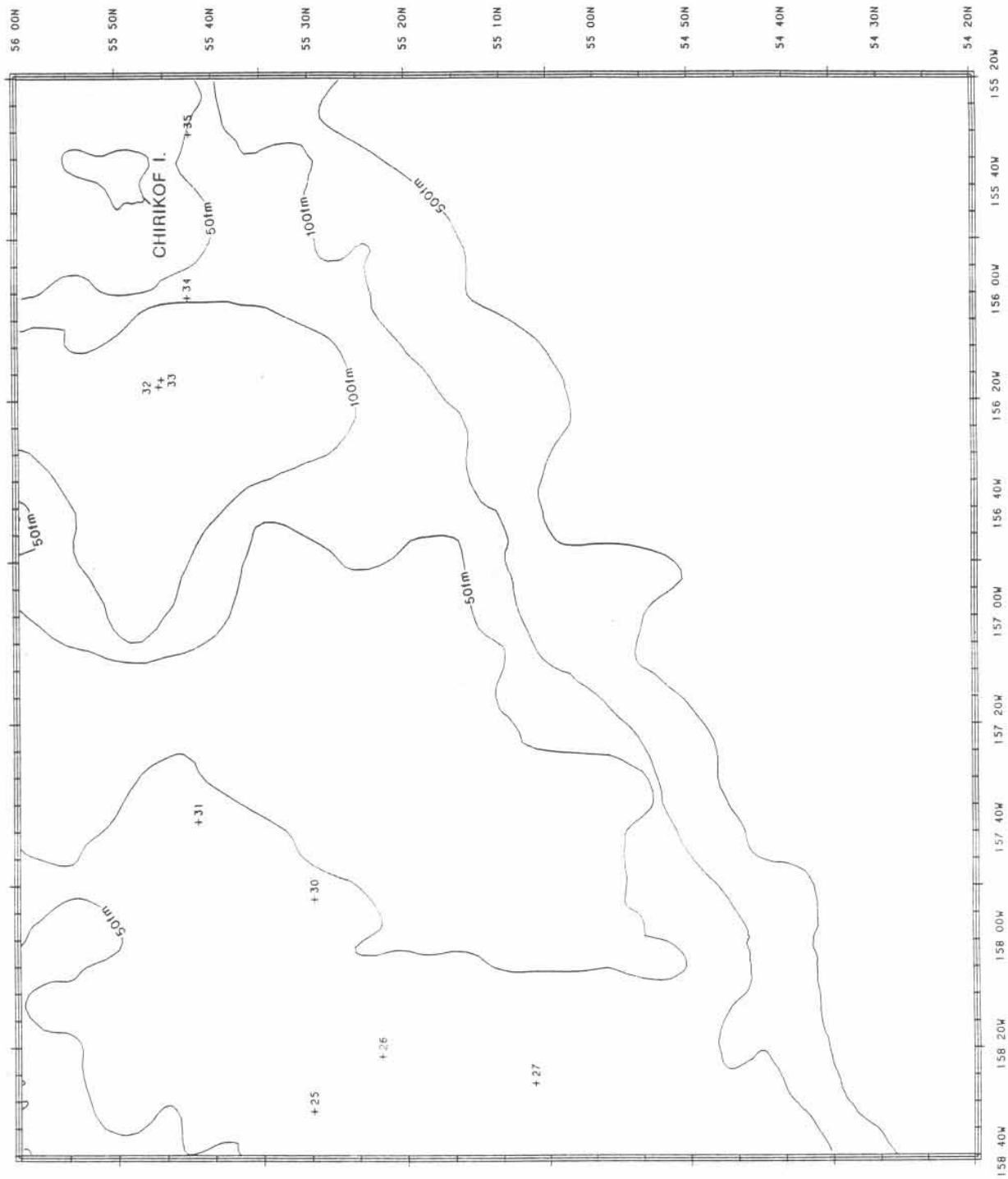


Figure 48.--Stations surveyed by the U.S. chartered trawler Nore-Dick in the Chirikof Island area (hauls 25-27 and 30-35).

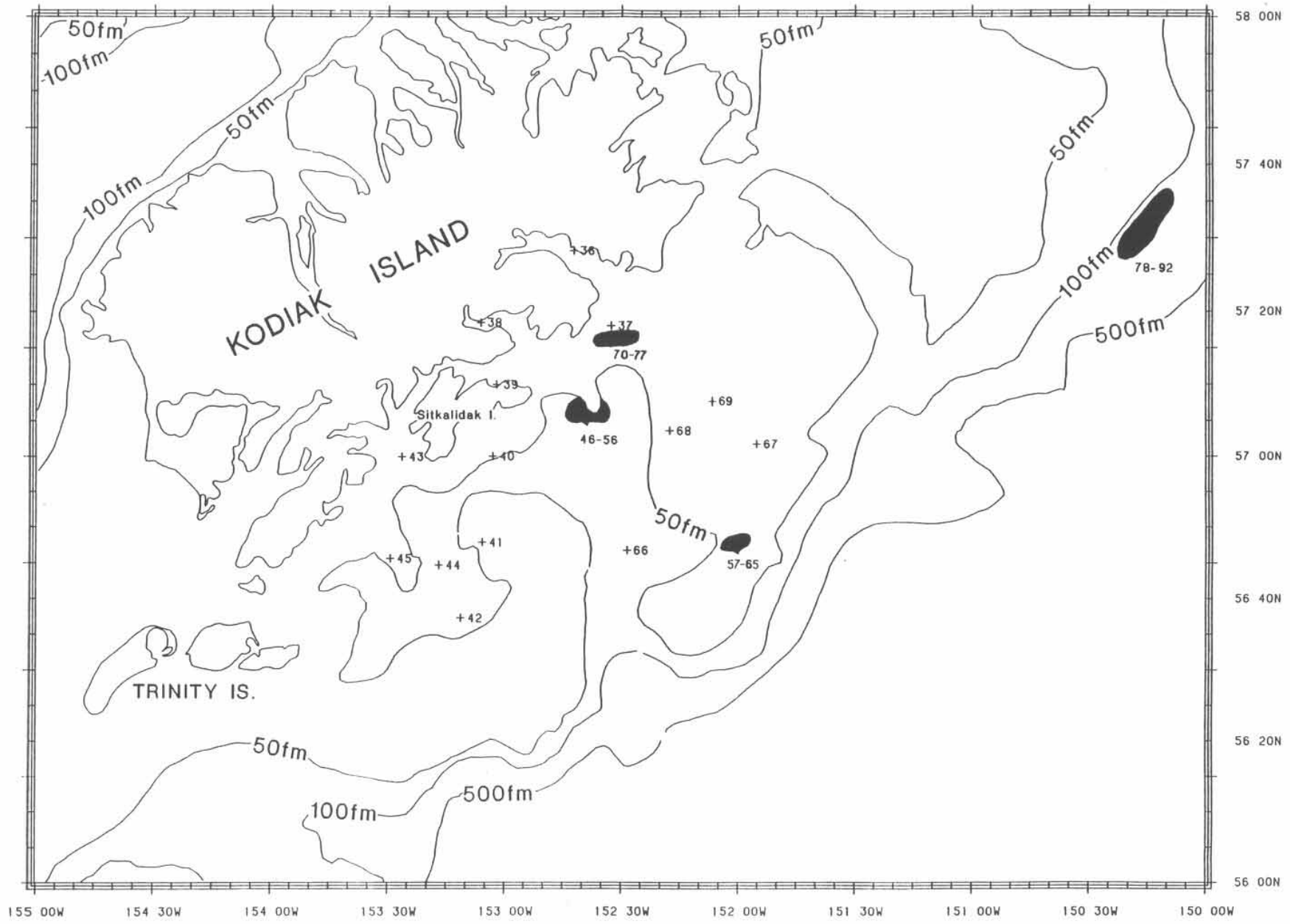


Figure 49.--Stations surveyed by the U.S. chartered trawler Nore-Dick in the Kodiak Island area (hauls 36-92).

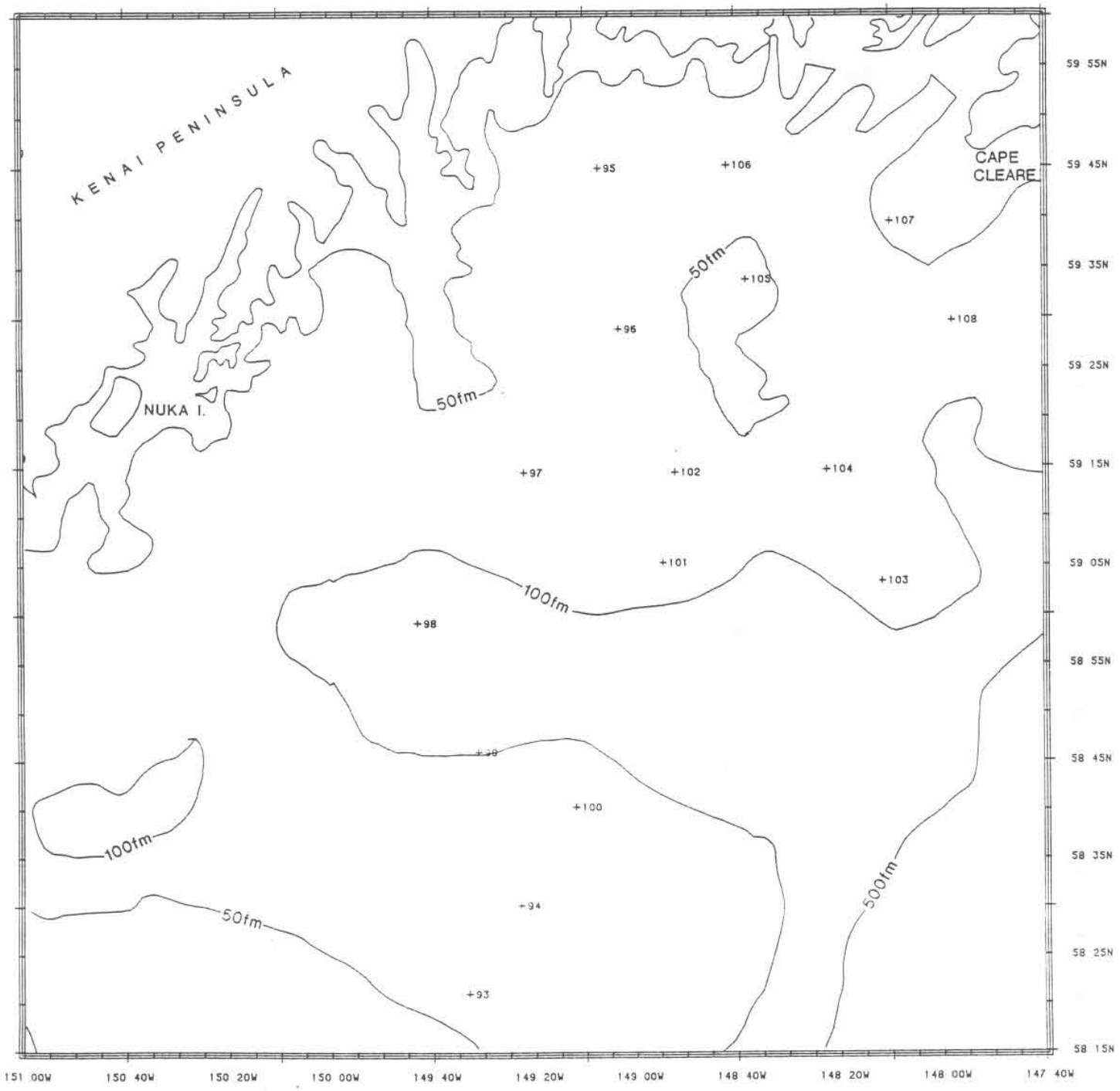


Figure 50.--Stations surveyed by the U.S. chartered trawler Nore-Dick in the Kenai Peninsula area (hauls 93-108).

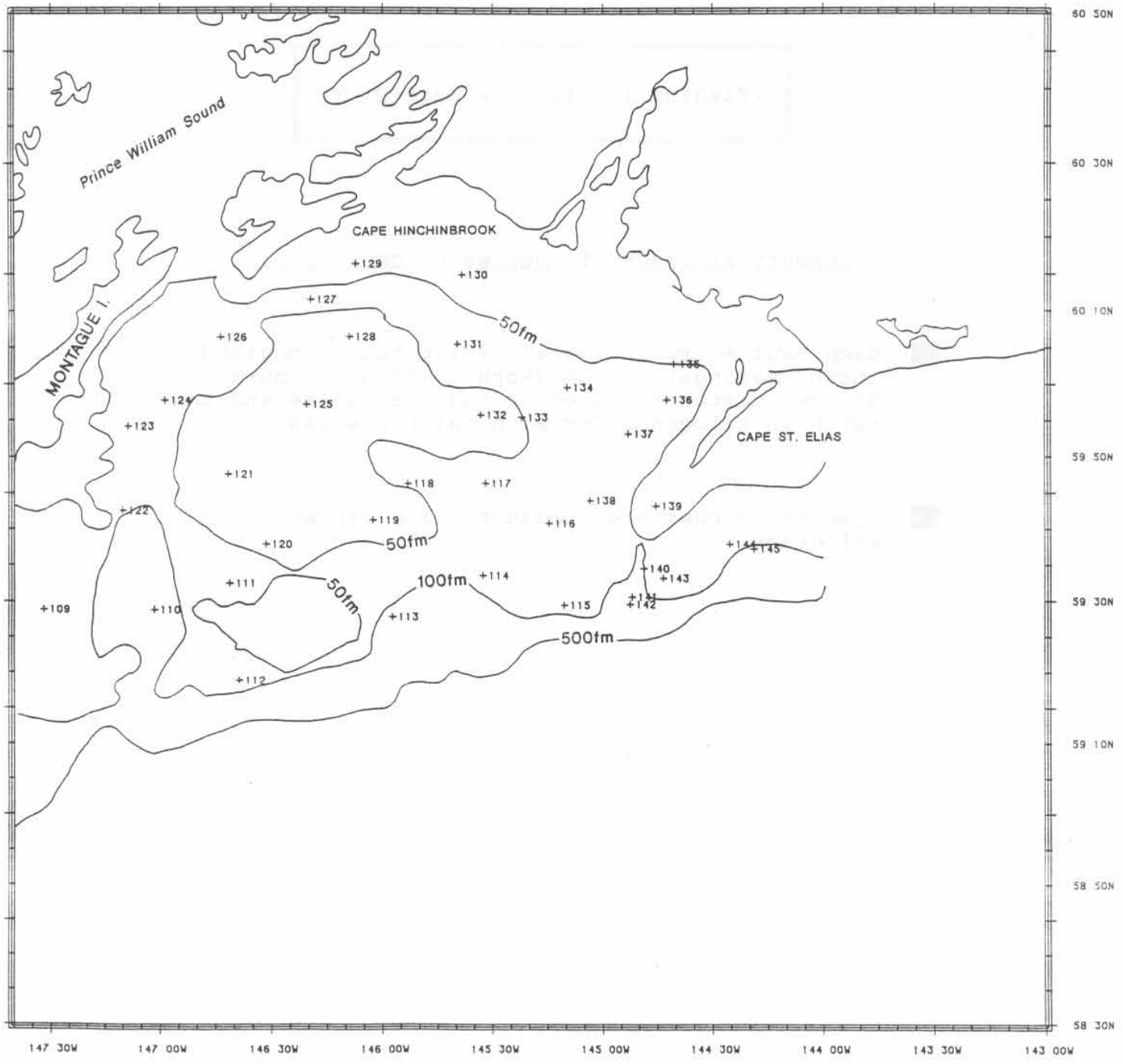


Figure 51.--Stations surveyed by the U.S. chartered trawler Nore-Dick in the Montague Island area (hauls 109-145).

Section 4 (continued)

Fishing log for the Nore-Dick

Summary listings of species catches by haul

- Each haul entry includes the latitude, longitude, loran readings, bottom depth in fathoms, duration of tow, distance fished in nautical miles and the catch in kilograms for each major species.

- Species catches are unadjusted and expressed in kilograms.

KILOGRAMS OF CATCH TAKEN BY THE NORE DICK DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 5/31/87 | 5/31/87 | 6/ 1/87 | 6/ 1/87 | 6/ 1/87 | 6/ 1/87 | 6/ 1/87 | 6/ 2/87 | 6/ 2/87 | 6/ 2/87 | 6/ 2/87 |
| LATITUDE START | 53 56.9 | 53 59.5 | 53 58.5 | 53 57.7 | 53 44.1 | 53 48.3 | 54 1.5 | 54 14.9 | 54 16.7 | 54 2.5 | 54 10.2 |
| LONGITUDE START | 165 49.4 | 165 24.1 | 164 56.2 | 164 49.3 | 164 52.0 | 164 0.7 | 163 58.6 | 163 26.0 | 163 28.0 | 163 5.3 | 162 44.7 |
| LATITUDE END | 53 55.9 | 53 58.8 | 53 57.9 | 53 56.5 | 53 43.8 | 53 48.7 | 54 2.0 | 54 14.9 | 54 17.4 | 54 2.8 | 54 9.7 |
| LONGITUDE END | 165 48.2 | 165 22.7 | 164 54.4 | 164 49.4 | 164 50.3 | 163 59.4 | 163 57.1 | 163 25.8 | 163 26.6 | 163 3.6 | 162 43.2 |
| LORAN START | 34763.30 | 18075.70 | 18107.50 | 18112.30 | 18051.90 | 18130.60 | 18183.80 | 18263.30 | 18268.20 | 18237.20 | 18280.00 |
| LORAN START | 48179.60 | 48048.20 | 47893.00 | 47853.90 | 47849.40 | 47571.50 | 47572.70 | 47395.00 | 47408.00 | 47266.20 | 47149.50 |
| LORAN END | 34762.00 | 18074.40 | 18107.10 | 18107.10 | 18052.70 | 18133.40 | 18187.20 | 18263.50 | 18272.00 | 18239.60 | 18279.50 |
| LORAN END | 48171.50 | 48039.20 | 47882.70 | 47852.90 | 47840.10 | 47564.40 | 47564.60 | 47394.30 | 47400.30 | 47256.70 | 47140.60 |
| GEAR DEPTH | 43 | 49 | 48 | 47 | 96 | 56 | 41 | 40 | 61 | 51 | 41 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.48 | 0.50 | 0.08 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 1.17 | 1.11 | 1.17 | 1.21 | 1.02 | 0.86 | 1.01 | 0.08 | 1.11 | 1.02 | 1.00 |
| PERFORMANCE / GEAR | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 1 /170 | 0 /170 | 6 /170 | 0 /170 | 0 /170 | 0 /170 |
| POLLOCK | 2.0 | 11.8 | 237.2 | 1.4 | 1.8 | 0.0 | 0.0 | 0.0 | 140.6 | 0.0 | 0.0 |
| PACIFIC COD | 90.3 | 31.8 | 44.9 | 17.2 | 43.1 | 45.8 | 148.1 | 0.0 | 102.5 | 54.9 | 0.5 |
| SABLEFISH | 0.0 | 0.0 | 0.0 | 0.0 | 26.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 0.0 | 12.2 | 27.7 | 4.1 | 61.2 | 3.2 | 0.0 | 0.9 | 71.2 | 5.9 | 0.0 |
| HALIBUT | 43.7 | 9.2 | 13.2 | 26.6 | 0.0 | 3.1 | 0.7 | 0.0 | 49.8 | 22.6 | 3.1 |
| FLATHEAD SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.6 | 2.0 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REX SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 122.5 | 0.0 | 0.0 | 0.0 | 30.4 | 0.0 | 0.0 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 7.7 | 59.0 | 64.4 | 59.9 | 0.1 | 10.0 | 17.2 | 4.5 | 53.1 | 20.9 | 5.4 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32.0 | 3.6 | 0.7 | 0.2 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 211.4 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 | 2.7 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 24.6 | 0.9 | 1.8 | 7.8 | 0.5 | 10.0 | 13.2 | 0.0 | 9.0 | 2.5 | 2.5 |
| SKATES | 0.0 | 0.0 | 37.6 | 0.0 | 18.6 | 0.0 | 0.0 | 0.0 | 40.8 | 18.6 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 1.4 | 4.1 | 5.4 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE NORE DICK DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/ 2/87 | 6/ 3/87 | 6/ 3/87 | 6/ 5/87 | 6/ 5/87 | 6/ 6/87 | 6/ 6/87 | 6/ 6/87 | 6/ 6/87 | 6/ 7/87 | 6/ 7/87 |
| LATITUDE START | 54 13.3 | 54 30.5 | 54 54.4 | 54 36.1 | 54 43.8 | 54 31.5 | 54 17.3 | 54 25.3 | 54 28.7 | 54 32.7 | 54 39.1 |
| LONGITUDE START | 162 14.2 | 162 31.3 | 161 34.5 | 160 44.3 | 160 7.0 | 160 40.0 | 160 32.2 | 159 52.9 | 159 29.9 | 159 4.4 | 159 26.4 |
| LATITUDE END | 54 13.0 | 54 30.5 | 54 54.6 | 54 35.4 | 54 43.7 | 54 30.4 | 54 18.1 | 54 25.2 | 54 28.2 | 54 32.5 | 54 39.5 |
| LONGITUDE END | 162 12.9 | 162 29.5 | 161 32.6 | 160 43.1 | 160 5.2 | 160 40.0 | 160 33.3 | 159 55.0 | 159 31.7 | 159 6.5 | 159 28.3 |
| LORAN START | 18312.30 | 18355.50 | 18454.60 | 33986.60 | 33878.00 | 33990.50 | 34013.30 | 33903.00 | 33842.30 | 33774.50 | 33802.50 |
| LORAN START | 46970.30 | 47076.40 | 46728.80 | 46425.40 | 46192.50 | 46401.40 | 46362.00 | 46122.10 | 45981.80 | 45825.60 | 45950.30 |
| LORAN END | 18312.40 | 18356.60 | 18456.00 | 33986.00 | 33874.30 | 33993.70 | 34013.90 | 33908.00 | 33847.60 | 33779.30 | 33805.30 |
| LORAN END | 46962.40 | 47066.10 | 46717.10 | 46418.20 | 46181.70 | 46402.20 | 46368.50 | 46134.80 | 45992.90 | 45837.80 | 45961.50 |
| GEAR DEPTH | 42 | 82 | 62 | 71 | 44 | 80 | 72 | 89 | 76 | 79 | 41 |
| DURATION IN HOURS | 0.10 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 0.82 | 0.99 | 1.10 | 1.04 | 1.04 | 1.06 | 0.99 | 1.24 | 1.14 | 1.19 | 1.21 |
| PERFORMANCE / GEAR | 7 /170 | 0 /170 | 0 /170 | 0 /170 | 7 /170 | 0 /170 | 1 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 |
| POLLOCK | 0.0 | 31.3 | 358.8 | 5.9 | 0.1 | 38.6 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 |
| PACIFIC COD | 0.0 | 30.2 | 23.6 | 89.4 | 0.0 | 57.2 | 0.0 | 96.4 | 45.8 | 282.8 | 0.0 |
| SABLEFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 0.0 | 165.6 | 122.0 | 76.2 | 0.0 | 211.6 | 78.7 | 154.2 | 66.2 | 239.9 | 4.1 |
| HALIBUT | 0.0 | 4.0 | 7.2 | 33.4 | 0.0 | 16.7 | 8.0 | 11.2 | 90.5 | 7.1 | 103.9 |
| FLATHEAD SOLE | 0.0 | 108.0 | 182.8 | 34.9 | 0.0 | 114.3 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.7 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.2 | 1.4 | 0.9 | 0.0 |
| REX SOLE | 0.0 | 7.3 | 0.2 | 24.0 | 0.0 | 18.1 | 0.0 | 32.7 | 0.0 | 1.4 | 0.0 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 23.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.5 | 2.0 | 26.3 | 0.0 | 12.2 | 0.7 | 0.0 | 0.0 | 2.7 | 0.0 | 6.8 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.2 | 1120.3 | 12.7 | 16.8 | 0.9 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 | 961.7 | 6.4 | 212.7 | 6.6 | 1.4 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 159.7 | 2.7 | 27.7 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 606.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 152.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 412.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| ATKA MACKEREL | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 4.5 | 1.5 | 29.9 | 0.3 | 5.7 | 5.4 | 2.4 | 20.4 | 8.2 | 1.4 | 5.0 |
| SKATES | 0.0 | 0.0 | 27.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.8 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 2.7 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE NORE DICK DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/ 7/87 | 6/ 7/87 | 6/ 8/87 | 6/ 8/87 | 6/ 8/87 | 6/10/87 | 6/10/87 | 6/13/87 | 6/13/87 | 6/14/87 | 6/14/87 |
| LATITUDE START | 54 53.2 | 55 15.7 | 55 29.8 | 55 22.7 | 55 6.6 | 55 10.6 | 55 16.8 | 55 29.7 | 55 41.7 | 55 45.6 | 55 45.3 |
| LONGITUDE START | 159 0.5 | 158 54.6 | 158 31.7 | 158 21.6 | 158 26.7 | 160 9.6 | 160 9.7 | 157 52.5 | 157 38.1 | 156 17.3 | 156 16.0 |
| LATITUDE END | 54 52.6 | 55 15.0 | 55 29.8 | 55 23.6 | 55 7.6 | 55 9.9 | 55 17.9 | 55 30.0 | 55 42.8 | 55 45.6 | 55 45.9 |
| LONGITUDE END | 159 2.1 | 158 55.6 | 158 33.7 | 158 22.7 | 158 27.4 | 160 10.6 | 160 9.3 | 157 50.2 | 157 38.0 | 156 17.3 | 156 14.8 |
| LORAN START | 33699.60 | 33608.40 | 33505.90 | 33511.20 | 33580.40 | 33795.00 | 33773.30 | 33423.20 | 33346.80 | 33171.00 | 33169.60 |
| LORAN START | 45777.40 | 45714.30 | 45553.30 | 45499.70 | 45553.20 | 46189.40 | 46185.80 | 45308.00 | 45199.30 | 44693.00 | 44685.70 |
| LORAN END | 33705.20 | 33613.00 | 33510.40 | 33510.10 | 33578.40 | 33799.60 | 33768.60 | 33417.40 | 33342.30 | 33171.00 | 33164.60 |
| LORAN END | 45787.80 | 45721.40 | 45566.20 | 45505.30 | 45556.20 | 46196.30 | 46182.90 | 45293.60 | 45197.10 | 44693.00 | 44676.70 |
| GEAR DEPTH | 42 | 111 | 80 | 79 | 100 | 27 | 76 | 60 | 73 | 138 | 135 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.45 | 0.50 | 0.50 | 0.50 | 0.01 | 0.50 |
| DISTANCE FISHED | 1.12 | 0.88 | 1.16 | 1.12 | 1.08 | 0.87 | 1.11 | 1.31 | 1.10 | 0.00 | 0.97 |
| PERFORMANCE / GEAR | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 1 /170 | 7 /170 | 0 /170 | 0 /170 | 7 /170 | 0 /170 |
| POLLOCK | 0.2 | 13.4 | 0.9 | 1.4 | 1.5 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 30.4 |
| PACIFIC COD | 7.0 | 0.0 | 0.0 | 0.0 | 75.9 | 1.6 | 0.0 | 0.0 | 110.0 | 0.0 | 5.2 |
| SABLEFISH | 0.0 | 9.8 | 0.0 | 1.1 | 825.9 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 61.7 |
| ARROWTOOTH FL. | 0.0 | 201.2 | 50.3 | 107.3 | 582.3 | 0.0 | 0.0 | 273.1 | 333.2 | 0.0 | 26.8 |
| HALIBUT | 75.6 | 0.8 | 0.0 | 0.0 | 10.3 | 1.5 | 0.0 | 23.4 | 22.2 | 0.0 | 14.8 |
| FLATHEAD SOLE | 0.0 | 138.6 | 41.7 | 26.3 | 30.3 | 0.0 | 0.0 | 23.8 | 91.2 | 0.0 | 126.1 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.5 | 0.0 | 0.0 | 46.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.9 |
| REX SOLE | 0.0 | 0.9 | 0.5 | 0.7 | 34.5 | 0.0 | 0.0 | 8.6 | 22.7 | 0.0 | 24.5 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 36.3 | 0.0 | 27.9 | 0.0 | 0.0 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.1 | 0.0 | 0.0 | 7.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 1.4 | 4.3 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 2.5 | 2.0 | 0.0 | 0.0 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.7 | 0.0 | 0.1 | 0.5 | 1.4 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SKATES | 0.0 | 29.5 | 0.0 | 0.0 | 75.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 1.4 | 0.7 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 |
| SIDE STRIPE SHRIMP | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE NORE DICK DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/14/87 | 6/14/87 | 6/18/87 | 6/19/87 | 6/19/87 | 6/19/87 | 6/20/87 | 6/20/87 | 6/20/87 | 6/21/87 | 6/21/87 |
| LATITUDE START | 55 42 5 | 55 42.3 | 57 28.3 | 57 18.1 | 57 18.5 | 57 10.0 | 57 0.0 | 56 47.9 | 56 37.3 | 56 59.9 | 56 44 7 |
| LONGITUDE START | 156 0 8 | 155 30.5 | 152 42.2 | 152 32.4 | 153 6.1 | 153 1.9 | 153 2.9 | 153 5.6 | 153 11.2 | 153 26.2 | 153 16.7 |
| LATITUDE END | 55 41.7 | 55 42.1 | 57 28.9 | 57 19.0 | 57 17.8 | 57 10.1 | 57 0.2 | 56 47.3 | 56 38.6 | 56 59.3 | 56 43.9 |
| LONGITUDE END | 156 1.2 | 155 32.1 | 152 42.8 | 152 32.3 | 153 6.1 | 153 0.3 | 153 1.1 | 153 5.8 | 153 11.9 | 153 27.6 | 153 18.4 |
| LORAN START | 33151.30 | 33095.50 | 11039.20 | 32405.30 | 32452.00 | 32483.20 | 32528.00 | 32584.00 | 32636.80 | 32563.70 | 32614.40 |
| LORAN START | 44600.60 | 44423.60 | 31277.70 | 43090.50 | 43275.70 | 43288.30 | 43328.90 | 43393.60 | 43467.20 | 43464.50 | 43464.70 |
| LORAN END | 33155.50 | 33099.40 | 11044.10 | 32401.20 | 32454.60 | 32480.20 | 32524.40 | 32586.50 | 32632.50 | 32568.90 | 32620.40 |
| LORAN END | 44605.40 | 44433.50 | 31281.90 | 43085.90 | 43298.10 | 43278.50 | 43318.50 | 43396.80 | 43465.20 | 43475.10 | 43476.90 |
| GEAR DEPTH | 117 | 42 | 45 | 47 | 47 | 45 | 40 | 41 | 85 | 69 | 71 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.60 | 0.50 | 0.50 |
| DISTANCE FISHED | 0.90 | 0.94 | 0.74 | 0.90 | 0.72 | 0.86 | 0.97 | 0.54 | 1.37 | 1.04 | 1.23 |
| PERFORMANCE / GEAR | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 5 /170 | 0 /170 | 1 /170 | 0 /170 | 0 /170 | 0 /170 |
| POLLOCK | 5.0 | 1.4 | 666.8 | 2446.5 | 106.1 | 57.6 | 0.1 | 0.0 | 82.1 | 277.1 | 381.0 |
| PACIFIC COD | 27.4 | 25.6 | 139.7 | 60.1 | 47.2 | 171.5 | 16.8 | 0.5 | 47.6 | 563.6 | 72.6 |
| SABLEFISH | 11.3 | 0.0 | 1.4 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 319.3 | 14.1 | 20.9 | 68.9 | 15.9 | 23.1 | 8.8 | 0.1 | 279.4 | 389.8 | 54.0 |
| HALIBUT | 0.0 | 38.8 | 9.0 | 18.0 | 1.6 | 77.6 | 14.7 | 1.5 | 1.3 | 37.5 | 15.2 |
| FLATHEAD SOLE | 4.1 | 0.0 | 196.4 | 115.3 | 75.3 | 38.0 | 7.3 | 0.0 | 184.2 | 526.9 | 54.4 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 82.3 | 0.0 | 0.2 | 1.9 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 |
| REX SOLE | 101.6 | 0.0 | 0.0 | 3.1 | 0.0 | 6.4 | 0.5 | 0.0 | 9.1 | 2.7 | 4.1 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 254.9 | 65.1 | 45.8 | 52.7 | 0.0 | 0.0 | 0.0 | 13.6 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 3.6 | 18.8 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 63.7 | 40.8 | 159.1 | 0.0 | 9.6 | 218.6 | 11.3 | 0.7 | 50.3 | 5.4 |
| BUTTER SOLE | 0.0 | 0.0 | 235.4 | 7.5 | 1.6 | 15.0 | 0.0 | 0.0 | 0.0 | 6.8 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 17.9 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.5 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.5 | 0.5 | 0.0 | 0.6 | 0.0 | 6.4 | 1.8 | 9.1 | 1.8 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.5 | 8.6 | 0.9 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.5 | 0.0 | 27.8 | 110.3 | 16.2 | 145.2 | 3.0 | 0.1 | 4.1 | 46.2 | 1.8 |
| SKATES | 6.8 | 37.4 | 0.0 | 0.0 | 0.0 | 90.7 | 0.0 | 0.0 | 0.0 | 149.4 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 14.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.1 | 20.7 | 7.3 | 5.4 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| KING CRAB | 5.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.8 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.2 | 0.0 | 50.8 | 47.9 | 0.0 | 0.0 | 0.9 | 35.3 | 0.9 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE NORE DICK DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 6/21/87 | 6/30/87 | 6/30/87 | 6/30/87 | 6/30/87 | 7/ 1/87 | 7/ 1/87 | 7/ 1/87 | 7/ 1/87 | 7/ 1/87 | 7/ 1/87 |
| LATITUDE START | 56 45.6 | 57 5.0 | 57 6.6 | 57 7.0 | 57 6.3 | 57 6.6 | 57 6.0 | 57 6.2 | 57 6.3 | 57 6.2 | 57 6.3 |
| LONGITUDE START | 153 29.3 | 152 42.9 | 152 44.3 | 152 43.3 | 152 43.0 | 152 42.3 | 152 42.4 | 152 41.8 | 152 43.4 | 152 43.0 | 152 42.4 |
| LATITUDE END | 56 45.4 | 57 5.6 | 57 7.1 | 57 7.4 | 57 6.8 | 57 7.0 | 57 6.6 | 57 6.6 | 57 6.8 | 57 6.6 | 57 6.6 |
| LONGITUDE END | 153 29.4 | 152 42.5 | 152 43.7 | 152 42.8 | 152 42.7 | 152 41.9 | 152 42.2 | 152 41.5 | 152 43.1 | 152 42.7 | 152 42.2 |
| LORAN START | 32630.10 | 32477.00 | 32472.00 | 32469.10 | 32471.50 | 32469.10 | 32472.00 | 32470.30 | 32472.00 | 32472.10 | 32470.80 |
| LORAN START | 43529.90 | 43203.00 | 43202.40 | 43196.00 | 43197.40 | 43192.30 | 43196.00 | 43192.10 | 43199.30 | 43198.10 | 43194.50 |
| LORAN END | 32631.00 | 32474.00 | 32469.10 | 32466.60 | 32469.00 | 32466.80 | 32469.00 | 32467.90 | 32469.60 | 32469.60 | 32468.90 |
| LORAN END | 43531.00 | 43198.50 | 43197.40 | 43191.60 | 43193.60 | 43188.60 | 43192.00 | 43188.40 | 43195.80 | 43194.30 | 43191.80 |
| GEAR DEPTH | 42 | 85 | 81 | 82 | 79 | 81 | 83 | 82 | 82 | 82 | 83 |
| DURATION IN HOURS | 0.20 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| DISTANCE FISHED | 0.19 | 0.61 | 0.57 | 0.49 | 0.50 | 0.46 | 0.63 | 0.48 | 0.49 | 0.50 | 0.39 |
| PERFORMANCE / GEAR | 6 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 1 /170 |
| POLLOCK | 0.0 | 95.3 | 329.3 | 144.7 | 146.1 | 192.8 | 106.6 | 191.9 | 70.8 | 59.0 | 106.6 |
| PACIFIC COD | 0.0 | 29.0 | 27.2 | 26.3 | 49.9 | 50.3 | 90.7 | 29.5 | 9.5 | 25.9 | 24.9 |
| SABLEFISH | 0.0 | 0.0 | 2.3 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 1.8 | 5.0 | 2.7 |
| ARROWTOOTH FL. | 0.0 | 131.1 | 181.0 | 182.3 | 176.4 | 138.8 | 185.1 | 232.7 | 137.4 | 139.3 | 119.7 |
| HALIBUT | 0.0 | 0.0 | 0.0 | 32.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| FLATHEAD SOLE | 0.0 | 40.8 | 63.0 | 81.6 | 97.5 | 84.8 | 88.5 | 97.1 | 83.5 | 101.6 | 69.4 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 5.9 | 0.0 | 0.0 | 0.7 | 2.5 | 0.5 | 2.7 | 0.2 | 0.0 | 0.0 |
| REX SOLE | 0.0 | 0.5 | 0.2 | 0.9 | 0.7 | 0.9 | 0.5 | 0.1 | 0.9 | 0.9 | 1.4 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.5 | 0.2 | 0.2 | 0.7 | 0.5 | 0.0 | 0.5 | 0.1 | 0.1 | 0.2 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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 |
| ROUGHEYE RKFH | 0.0 | 0.5 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.7 | 1.4 | 0.7 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.0 | 7.7 | 0.0 | 0.5 | 0.0 | 3.2 | 5.4 | 0.5 | 0.0 | 1.8 | 2.2 |
| SKATES | 0.0 | 0.0 | 0.0 | 0.0 | 10.2 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | 2.3 |
| SPINY DOGFISH | 0.0 | 0.0 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 5.4 | 4.1 | 4.5 | 5.4 | 5.4 | 32.7 | 4.5 | 23.6 | 3.2 | 141.5 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 0.2 | 0.0 | 0.1 | 0.1 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE NORE DICK DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/ 1/87 | 7/ 2/87 | 7/ 2/87 | 7/ 2/87 | 7/ 2/87 | 7/ 2/87 | 7/ 2/87 | 7/ 2/87 | 7/ 2/87 | 7/ 2/87 | 7/ 3/87 |
| LATITUDE START | 57 6.4 | 56 46.8 | 56 46.9 | 56 46.6 | 56 47.9 | 56 47.3 | 56 48.0 | 56 47.7 | 56 47.9 | 56 47.2 | 56 46.8 |
| LONGITUDE START | 152 43.8 | 152 3.2 | 152 0.8 | 151 57.5 | 152 1.7 | 152 3.2 | 152 4.7 | 152 3.7 | 152 2.6 | 152 2.7 | 152 28.4 |
| LATITUDE END | 57 6.9 | 56 47.4 | 56 47.3 | 56 46.9 | 56 48.2 | 56 47.8 | 56 48.4 | 56 48.1 | 56 48.3 | 56 47.6 | 56 47.0 |
| LONGITUDE END | 152 43.9 | 152 3.3 | 152 2.1 | 151 58.5 | 152 2.9 | 152 4.5 | 152 5.9 | 152 4.8 | 152 3.9 | 152 3.8 | 152 30.8 |
| LORAN START | 32472.40 | 32495.50 | 32491.60 | 32488.30 | 32489.10 | 32493.40 | 32492.90 | 32492.50 | 32490.40 | 32493.10 | 11029.80 |
| LORAN START | 43201.10 | 43156.40 | 43150.00 | 43144.00 | 43147.60 | 43153.80 | 43154.40 | 43153.10 | 43149.80 | 43153.10 | 31048.10 |
| LORAN END | 32470.30 | 32493.00 | 32492.10 | 32488.50 | 32489.40 | 32493.30 | 32493.10 | 32492.70 | 32490.60 | 32493.40 | 11026.10 |
| LORAN END | 43199.10 | 43153.40 | 43151.50 | 43144.80 | 43148.80 | 43154.70 | 43155.60 | 43154.20 | 43151.00 | 43154.30 | 31053.10 |
| GEAR DEPTH | 81 | 55 | 54 | 53 | 52 | 52 | 54 | 56 | 52 | 54 | 93 |
| DURATION IN HOURS | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.50 |
| DISTANCE FISHED | 0.51 | 0.63 | 0.80 | 0.61 | 0.75 | 0.89 | 0.75 | 0.70 | 0.83 | 0.70 | 1.32 |
| PERFORMANCE / GEAR | 5 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 |
| POLLOCK | 0.0 | 1.4 | 0.9 | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 22.2 |
| PACIFIC COD | 0.0 | 40.4 | 18.1 | 825.1 | 44.0 | 62.6 | 133.8 | 566.1 | 1783.5 | 246.3 | 36.3 |
| SABLEFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.3 |
| ARROWTOOTH FL. | 0.0 | 21.3 | 31.8 | 62.6 | 55.8 | 60.8 | 68.9 | 105.7 | 90.3 | 58.1 | 507.6 |
| HALIBUT | 0.0 | 0.0 | 3.1 | 5.4 | 0.6 | 8.2 | 31.7 | 22.0 | 8.3 | 0.0 | 0.0 |
| FLATHEAD SOLE | 0.0 | 0.2 | 0.9 | 4.5 | 3.6 | 2.3 | 1.8 | 0.9 | 3.2 | 2.7 | 105.2 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 |
| REX SOLE | 0.0 | 4.8 | 0.9 | 1.8 | 0.5 | 1.4 | 0.5 | 0.1 | 0.9 | 1.4 | 7.3 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 8.6 | 9.5 | 35.8 | 17.2 | 21.3 | 12.7 | 9.1 | 27.2 | 12.2 | 0.2 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 2.3 | 0.1 | 0.9 | 0.9 | 3.2 | 0.5 | 2.7 | 2.7 | 0.0 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 64.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 2.7 | 350.9 | 14.1 | 17.2 | 11.8 | 13.2 | 6.4 | 11.3 | 28.6 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 35.8 | 2.3 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 2.7 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 1.4 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.0 | 2.3 | 0.3 | 0.0 | 0.1 | 0.1 | 0.5 | 0.5 | 0.0 | 0.1 | 4.6 |
| SKATES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.1 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 0.1 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE NORE DICK DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/ 3/87 | 7/ 3/87 | 7/ 4/87 | 7/ 4/87 | 7/ 4/87 | 7/ 5/87 | 7/ 5/87 | 7/ 5/87 | 7/ 5/87 | 7/ 5/87 | 7/ 5/87 |
| LATITUDE START | 57 1.7 | 57 3.6 | 57 6.9 | 57 18.8 | 57 17.8 | 57 19.7 | 57 19.2 | 57 18.8 | 57 16.9 | 57 16.7 | 57 17.8 |
| LONGITUDE START | 151 55.1 | 152 17.4 | 152 6.0 | 152 14.8 | 152 31.8 | 152 30.9 | 152 27.2 | 152 31.9 | 152 30.2 | 152 31.5 | 152 32.8 |
| LATITUDE END | 57 2.1 | 57 4.1 | 57 7.2 | 57 18.5 | 57 18.2 | 57 20.0 | 57 19.5 | 57 18.7 | 57 17.2 | 57 16.8 | 57 18.1 |
| LONGITUDE END | 151 57.3 | 152 19.8 | 152 7.0 | 152 16.2 | 152 32.0 | 152 30.0 | 152 26.7 | 152 31.2 | 152 29.8 | 152 31.4 | 152 32.3 |
| LORAN START | 11100.00 | 11033.40 | 11061.80 | 11028.00 | 32405.60 | 32400.00 | 32392.80 | 32405.40 | 32407.20 | 32410.00 | |
| LORAN START | 31071.00 | 31115.80 | 31114.80 | 31189.70 | 43088.30 | 43076.50 | 43059.40 | 43085.40 | 43084.90 | 43092.10 | |
| LORAN END | 11092.30 | 11028.00 | 11058.40 | 11023.70 | 32403.90 | 32397.80 | 32391.10 | 32403.70 | 32405.50 | 32409.30 | |
| LORAN END | 31076.40 | 31121.80 | 31117.90 | 31190.00 | 43087.30 | 43071.40 | 43056.00 | 43082.20 | 43081.70 | 43091.20 | |
| GEAR DEPTH | 45 | 43 | 45 | 34 | 50 | 54 | 50 | 57 | 56 | 58 | 45 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.25 | 0.25 | 0.25 | 0.16 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| DISTANCE FISHED | 1.26 | 1.36 | 0.63 | 0.81 | 0.47 | 0.50 | 0.35 | 0.34 | 0.34 | 0.15 | 0.40 |
| PERFORMANCE / GEAR | 0 /170 | 0 /170 | 0 /170 | 1 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 |
| POLLOCK | 0.2 | 0.0 | 0.0 | 0.0 | 1643.8 | 778.8 | 5.9 | 1731.4 | 1363.0 | 205.9 | 4688.4 |
| PACIFIC COD | 155.6 | 0.7 | 15.9 | 1.1 | 2.3 | 20.4 | 44.5 | 1.8 | 11.3 | 11.3 | 20.9 |
| SABLEFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL | 0.5 | 1.1 | 0.7 | 0.5 | 80.7 | 74.8 | 82.6 | 100.2 | 92.1 | 89.4 | 94.0 |
| HALIBUT | 95.8 | 39.4 | 65.6 | 4.8 | 7.0 | 2.0 | 7.3 | 0.0 | 0.0 | 0.0 | 21.1 |
| FLATHEAD SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 116.1 | 102.5 | 31.3 | 138.3 | 242.2 | 164.2 | 54.3 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 58.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REX SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 3.6 | 0.0 | 0.2 | 0.0 | 0.6 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 82.1 | 7.3 | 40.4 | 4.1 | 0.0 | 0.2 | 20.9 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 9.1 | 9.5 | 5.9 | 2.7 | 4.5 | 0.0 |
| ROCK SOLE | 34.0 | 51.7 | 76.2 | 39.9 | 73.0 | 3.2 | 14.5 | 3.2 | 5.4 | 4.5 | 62.6 |
| BUTTER SOLE | 0.2 | 0.0 | 0.9 | 0.9 | 14.1 | 16.3 | 31.8 | 5.4 | 2.3 | 2.7 | 6.3 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | 35.5 |
| 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 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.6 | 0.5 | 0.0 | 7.7 | 5.4 | 0.7 | 3.2 | 1.4 | 5.4 | 0.0 | 6.3 |
| SKATES | 0.0 | 0.0 | 11.3 | 0.0 | 27.7 | 130.6 | 0.0 | 0.0 | 0.0 | 33.6 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 181.4 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.9 | 5.4 | 0.2 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE NORE DICK DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/ 6/87 | 7/ 6/87 | 7/ 6/87 | 7/ 6/87 | 7/ 6/87 | 7/ 6/87 | 7/ 6/87 | 7/ 6/87 | 7/ 7/87 | 7/ 7/87 | 7/ 7/87 |
| LATITUDE START | 57 32.3 | 57 32.8 | 57 33.3 | 57 32.7 | 57 32.7 | 57 32.6 | 57 33.3 | 57 34.0 | 57 27.9 | 57 29.2 | 57 29.6 |
| LONGITUDE START | 150 17.0 | 150 15.8 | 150 18.3 | 150 16.0 | 150 16.3 | 150 17.4 | 150 17.3 | 150 13.4 | 150 20.3 | 150 20.4 | 150 20.2 |
| LATITUDE END | 57 31.8 | 57 32.3 | 57 33.0 | 57 32.3 | 57 31.8 | 57 31.7 | 57 32.5 | 57 33.2 | 57 27.1 | 57 28.4 | 57 29.1 |
| LONGITUDE END | 150 17.9 | 150 16.6 | 150 19.1 | 150 16.5 | 150 17.6 | 150 18.8 | 150 18.5 | 150 14.7 | 150 20.5 | 150 20.0 | 150 19.1 |
| LORAN START | 11672.20 | | 32163.90 | 11680.00 | 11678.00 | 11672.30 | 11677.10 | 11700.00 | 11631.00 | 11637.80 | 11640.90 |
| LORAN START | 31076.60 | | 43009.00 | 31077.30 | 31077.40 | 31078.90 | 31082.90 | 31080.00 | 31056.70 | 31064.40 | 31066.20 |
| LORAN END | 11665.00 | | 32166.30 | 11674.40 | 11666.00 | 11659.50 | 11666.40 | 11689.00 | 11626.00 | 11635.60 | 11643.40 |
| LORAN END | 31075.20 | | 43008.60 | 31075.60 | 31074.60 | 31076.00 | 31080.40 | 31077.80 | 31052.70 | 31059.50 | 31061.80 |
| GEAR DEPTH | 140 | 131 | 119 | 142 | 138 | 132 | 122 | 143 | 187 | 163 | 167 |
| DURATION IN HOURS | 0.25 | 0.25 | 0.25 | 0.25 | 0.50 | 0.50 | 0.50 | 0.50 | 0.33 | 0.33 | 0.33 |
| DISTANCE FISHED | 0.68 | 0.50 | 0.57 | 0.56 | 1.16 | 1.23 | 1.03 | 1.04 | 0.76 | 0.77 | 0.72 |
| PERFORMANCE / GEAR | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 |
| POLLOCK | 23.6 | 11.8 | 24.9 | 5.0 | 11.3 | 132.4 | 90.3 | 46.7 | 0.0 | 17.2 | 29.5 |
| PACIFIC COD | 0.0 | 1.8 | 9.1 | 8.6 | 17.2 | 4.9 | 5.4 | 16.3 | 0.0 | 0.0 | 2.7 |
| SABLEFISH | 73.0 | 48.5 | 8.6 | 26.3 | 59.0 | 12.2 | 13.6 | 52.2 | 50.8 | 67.6 | 36.3 |
| ARROWTOOTH FL. | 31.3 | 38.6 | 20.4 | 68.5 | 111.6 | 106.6 | 109.3 | 49.4 | 1.4 | 36.3 | 60.3 |
| HALIBUT | 0.0 | 0.0 | 0.0 | 13.0 | 0.0 | 17.7 | 5.2 | 12.3 | 0.0 | 0.0 | 0.0 |
| FLATHEAD SOLE | 0.0 | 2.7 | 4.5 | 0.0 | 2.3 | 2.3 | 4.5 | 0.5 | 0.0 | 0.0 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 56.7 | 30.4 | 34.9 | 77.1 | 34.9 | 90.3 | 15.4 | 30.4 | 94.8 | 49.9 | 78.0 |
| REX SOLE | 26.8 | 29.9 | 31.8 | 21.8 | 34.9 | 21.3 | 34.5 | 27.7 | 10.0 | 12.2 | 18.1 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 84.8 | 37.6 | 7.7 | 64.4 | 187.3 | 70.8 | 11.3 | 89.8 | 7.7 | 49.9 | 37.6 |
| ROUGHEYE RKFH | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 5.9 | 23.6 | 26.3 |
| THORNYHEADS | 23.6 | 20.9 | 5.9 | 22.2 | 37.6 | 35.4 | 8.6 | 35.8 | 17.2 | 29.0 | 34.0 |
| NORTHERN RKFH | 3.6 | 0.9 | 0.4 | 0.0 | 3.6 | 9.1 | 0.7 | 0.0 | 0.0 | 0.5 | 1.4 |
| DUSKY RCKFISH | 0.0 | 1.4 | 0.0 | 0.0 | 1.4 | 0.7 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.0 | 3.6 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40.8 | 0.0 | 0.0 |
| SCULPINS | 6.9 | 3.3 | 0.0 | 4.5 | 13.7 | 5.5 | 0.0 | 14.6 | 0.0 | 0.0 | 0.1 |
| SKATES | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE NORE DICK DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/ 7/87 | 7/ 7/87 | 7/ 7/87 | 7/ 7/87 | 7/ 8/87 | 7/ 8/87 | 7/11/87 | 7/11/87 | 7/11/87 | 7/12/87 | 7/12/87 |
| LATITUDE START | 57 30.0 | 57 29.9 | 57 30.2 | 57 30.1 | 58 21.1 | 58 30.2 | 59 45.0 | 59 28.9 | 59 14.5 | 58 59.3 | 58 46.0 |
| LONGITUDE START | 150 18.7 | 150 19.5 | 150 18.3 | 150 19.8 | 149 32.9 | 149 22.7 | 149 7.0 | 149 3.0 | 149 21.9 | 149 42.8 | 149 31.0 |
| LATITUDE END | 57 29.5 | 57 29.1 | 57 29.5 | 57 29.4 | 58 21.2 | 58 30.9 | 59 44.9 | 59 28.4 | 59 15.0 | 58 59.1 | 58 46.1 |
| LONGITUDE END | 150 17.6 | 150 18.8 | 150 17.9 | 150 19.6 | 149 33.2 | 149 25.1 | 149 5.1 | 149 5.6 | 149 24.2 | 149 44.9 | 149 28.9 |
| LORAN START | 11650.60 | 11645.80 | 11653.70 | 11646.10 | 12241.20 | 12364.30 | 13132.00 | 12980.20 | 12776.70 | 12546.60 | 12470.30 |
| LORAN START | 31066.10 | 31067.00 | 31066.90 | 31068.90 | 31297.20 | 31338.70 | 31806.70 | 31694.40 | 31622.90 | 31551.80 | 31451.50 |
| LORAN END | 11653.20 | 11645.60 | 11651.80 | 11642.80 | 12240.80 | 12360.00 | 13138.00 | 12975.40 | 12772.10 | 12536.60 | 12479.30 |
| LORAN END | 31061.70 | 31061.50 | 31061.90 | 31064.20 | 31298.20 | 31346.70 | 31803.70 | 31694.40 | 31628.90 | 31553.60 | 31448.80 |
| GEAR DEPTH | 175 | 170 | 175 | 159 | 87 | 68 | 94 | 107 | 87 | 163 | 152 |
| DURATION IN HOURS | 0.33 | 0.33 | 0.33 | 0.33 | 0.20 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 0.73 | 0.84 | 0.78 | 0.77 | 0.17 | 1.41 | 0.98 | 1.41 | 1.28 | 1.11 | 1.07 |
| PERFORMANCE / GEAR | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 6 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 |
| POLLOCK | 24.0 | 37.6 | 26.3 | 49.4 | 0.0 | 0.0 | 31.8 | 31.8 | 19.3 | 22.7 | 14.3 |
| PACIFIC COD | 0.0 | 1.8 | 0.0 | 5.9 | 0.0 | 34.0 | 1.8 | 1.1 | 9.5 | 24.5 | 27.7 |
| SABLEFISH | 81.2 | 33.1 | 46.7 | 27.2 | 0.0 | 107.5 | 4.1 | 35.2 | 0.0 | 111.1 | 209.6 |
| ARROWTOOTH FL | 42.6 | 90.3 | 52.2 | 64.0 | 0.0 | 305.3 | 186.2 | 245.6 | 146.7 | 177.8 | 365.1 |
| HALIBUT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.7 | 19.3 | 16.2 | 0.0 | 52.9 | 62.3 |
| FLATHEAD SOLE | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 122.5 | 136.5 | 85.7 | 44.9 | 24.5 | 122.2 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 27.2 | 73.0 | 36.3 | 50.8 | 0.0 | 11.8 | 7.5 | 11.6 | 9.3 | 3.6 | 41.0 |
| REX SOLE | 11.3 | 22.7 | 20.4 | 27.7 | 0.0 | 11.3 | 4.3 | 7.7 | 7.3 | 3.2 | 13.6 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 43.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 39.9 | 23.6 | 15.9 | 40.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.6 |
| ROUGHEYE RKFH | 28.6 | 11.3 | 11.3 | 29.5 | 0.0 | 0.0 | 8.4 | 22.7 | 25.9 | 11.8 | 10.4 |
| THORNYHEADS | 39.5 | 31.3 | 49.4 | 20.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 | 1.4 |
| NORTHERN RKFH | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 |
| SHORTRAKER RF | 14.5 | 5.4 | 9.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 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 |
| GRENADIERS | 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 | 0.1 | 2.4 | 0.0 | 0.0 | 0.9 | 0.1 | 1.7 | 4.1 | 0.0 |
| SKATES | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | 39.2 | 3.9 | 0.0 | 0.0 | 7.3 |
| SPINY DOGFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 6.4 | 0.9 | 2.7 | 0.9 |
| SIDE STRIPE SHRIMP | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 1.4 | 0.9 | 0.4 | 1.8 | 0.5 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE NORE DICK DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/12/87 | 7/12/87 | 7/12/87 | 7/13/87 | 7/13/87 | 7/13/87 | 7/13/87 | 7/14/87 | 7/14/87 | 7/14/87 | 7/14/87 |
| LATITUDE START | 58 40.4 | 59 5.3 | 59 14.5 | 59 3.4 | 59 14.7 | 59 33.8 | 59 45.2 | 59 39.6 | 59 29.6 | 59 28.9 | 59 28.8 |
| LONGITUDE START | 149 11.9 | 148 54.3 | 148 51.8 | 148 11.6 | 148 22.2 | 148 37.8 | 148 41.5 | 148 9.8 | 147 57.8 | 147 32.0 | 147 1.7 |
| LATITUDE END | 58 40.4 | 59 6.1 | 59 15.0 | 59 2.2 | 59 15.4 | 59 34.8 | 59 45.5 | 59 38.5 | 59 28.6 | 59 29.0 | 59 29.6 |
| LONGITUDE END | 149 9.6 | 148 56.1 | 148 54.1 | 148 10.1 | 148 23.5 | 148 39.5 | 148 43.7 | 148 8.4 | 147 57.5 | 147 29.6 | 147 0.1 |
| LORAN START | 12500.20 | 12801.40 | 12897.50 | 12961.00 | 13020.10 | 13136.60 | 13232.60 | 13302.80 | 13257.50 | 13353.90 | 13474.90 |
| LORAN START | 31387.00 | 31525.30 | 31583.30 | 31449.00 | 31543.30 | 31696.30 | 31779.20 | 31700.70 | 31613.70 | 31570.40 | 31522.50 |
| LORAN END | 12510.21 | 12801.80 | 12893.20 | 12956.80 | 13021.00 | 13139.80 | 13226.50 | 13298.10 | 13249.20 | 13365.00 | 13488.50 |
| LORAN END | 31383.80 | 31533.30 | 31590.00 | 31438.40 | 31550.00 | 31705.30 | 31783.80 | 31691.20 | 31605.80 | 31567.80 | 31526.20 |
| GEAR DEPTH | 72 | 80 | 88 | 73 | 56 | 49 | 151 | 45 | 98 | 64 | 120 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.50 | 0.40 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| DISTANCE FISHED | 1.18 | 1.23 | 1.30 | 1.42 | 0.97 | 1.31 | 1.19 | 1.29 | 1.05 | 1.25 | 1.14 |
| PERFORMANCE / GEAR | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 1 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 |
| POLLOCK | 8.2 | 0.0 | 46.7 | 0.1 | 0.0 | 0.0 | 7.7 | 0.0 | 0.0 | 14.3 | 6.8 |
| PACIFIC COD | 119.7 | 268.8 | 5.4 | 126.8 | 7.5 | 0.0 | 25.9 | 4.5 | 4.3 | 0.0 | 2.0 |
| SABLEFISH | 18.1 | 310.5 | 38.6 | 0.0 | 0.0 | 0.0 | 15.4 | 0.0 | 28.1 | 1.4 | 24.5 |
| ARROWTOOTH FL. | 164.4 | 172.1 | 190.1 | 90.0 | 2.3 | 2.7 | 153.3 | 0.0 | 97.3 | 48.3 | 45.4 |
| HALIBUT | 11.8 | 165.4 | 1.0 | 5.4 | 20.2 | 29.3 | 0.5 | 64.4 | 6.9 | 3.1 | 0.0 |
| FLATHEAD SOLE | 34.5 | 5.7 | 51.5 | 0.0 | 0.0 | 0.0 | 122.2 | 0.0 | 31.8 | 3.4 | 0.2 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 32.7 | 0.5 | 27.4 | 2.0 | 0.0 | 0.0 | 11.1 | 0.1 | 14.3 | 1.8 | 15.4 |
| REX SOLE | 96.8 | 11.8 | 10.0 | 58.3 | 2.3 | 0.0 | 4.8 | 0.1 | 2.8 | 3.2 | 9.1 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 4.8 | 0.1 | 12.9 | 0.0 | 0.5 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 1.2 | 15.4 | 3.6 | 0.7 | 10.4 | 0.9 | 0.0 | 0.2 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 3.6 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 27.0 | 0.0 | 9.5 | 3.4 | 3.6 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 |
| NORTHERN RKFH | 4.8 | 0.9 | 0.0 | 6.1 | 31.3 | 13.2 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 1.8 | 0.0 | 4.1 | 0.0 | 5.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 18.4 | 0.9 | 0.0 | 0.0 | 5.4 | 142.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 2.5 | 0.0 | 0.0 | 0.1 | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.1 | 5.9 | 10.3 | 0.1 | 0.0 |
| SKATES | 0.0 | 4.1 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 7.9 | 0.0 |
| SPINY DOGFISH | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | 1.8 | 0.1 | 0.5 |
| SIDE STRIPE SHRIMP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.2 | 0.0 | 1.8 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE NORE DICK DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/14/87 | 7/15/87 | 7/15/87 | 7/15/87 | 7/15/87 | 7/16/87 | 7/16/87 | 7/16/87 | 7/16/87 | 7/17/87 | 7/17/87 |
| LATITUDE START | 59 32.5 | 59 18.9 | 59 27.9 | 59 33.6 | 59 29.5 | 59 40.9 | 59 46.4 | 59 46.4 | 59 41.3 | 59 37.9 | 59 47.6 |
| LONGITUDE START | 146 41.2 | 146 38.8 | 145 57.3 | 145 32.6 | 145 10.5 | 145 14.6 | 145 31.8 | 145 53.0 | 146 2.6 | 146 31.4 | 146 41.6 |
| LATITUDE END | 59 32.3 | 59 18.4 | 59 27.4 | 59 34.4 | 59 30.0 | 59 41.8 | 59 47.6 | 59 47.6 | 59 41.9 | 59 38.5 | 59 47.6 |
| LONGITUDE END | 146 38.7 | 146 36.5 | 145 59.4 | 145 30.9 | 145 10.1 | 145 16.3 | 145 33.3 | 145 54.0 | 146 4.6 | 146 31.9 | 146 41.8 |
| LORAN START | 13589.80 | 13478.40 | 13720.50 | 13864.70 | 13911.50 | 13995.30 | 13981.20 | 13901.60 | 13819.10 | 13677.30 | 13726.10 |
| LORAN START | 31517.20 | 31408.30 | 31403.60 | 31402.70 | 31324.50 | 31427.60 | 31507.20 | 31545.30 | 31520.80 | 31543.10 | 31635.50 |
| LORAN END | 13598.00 | 13483.90 | 13708.50 | 13877.40 | 13917.10 | 13997.60 | 13986.40 | 13909.00 | 13816.90 | 13648.70 | 13725.50 |
| LORAN END | 31511.80 | 31401.20 | 31404.10 | 31405.70 | 31327.80 | 31439.10 | 31519.70 | 31557.10 | 31529.30 | 31548.70 | 31636.10 |
| GEAR DEPTH | 67 | 98 | 80 | 74 | 83 | 60 | 63 | 54 | 45 | 53 | 42 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.50 | 0.30 | 0.50 | 0.50 | 0.50 | 0.50 | 0.30 | 0.10 |
| DISTANCE FISHED | 1.26 | 1.23 | 1.17 | 1.12 | 0.53 | 1.30 | 1.39 | 1.33 | 1.20 | 0.68 | 0.12 |
| PERFORMANCE / GEAR | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 1 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 1 /170 | 5 /170 |
| POLLOCK | 3.6 | 4.5 | 1.6 | 1.8 | 0.5 | 5.0 | 5.0 | 31.3 | 0.0 | 4.1 | 0.0 |
| PACIFIC COD | 0.0 | 4.3 | 89.6 | 1.4 | 8.2 | 2.3 | 2.3 | 0.0 | 0.0 | 0.0 | 4.5 |
| SABLEFISH | 4.3 | 23.1 | 32.7 | 15.6 | 1.4 | 9.5 | 3.2 | 0.9 | 0.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 48.3 | 154.9 | 228.4 | 105.2 | 3.8 | 18.6 | 86.2 | 47.6 | 0.1 | 5.4 | 0.0 |
| HALIBUT | 0.0 | 42.5 | 158.2 | 6.8 | 0.0 | 5.8 | 0.0 | 0.0 | 13.3 | 0.0 | 4.4 |
| FLATHEAD SOLE | 2.9 | 2.3 | 265.6 | 158.1 | 0.0 | 11.8 | 59.9 | 43.1 | 0.2 | 3.2 | 0.7 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 1.1 | 60.8 | 26.1 | 22.2 | 4.5 | 11.6 | 19.7 | 9.5 | 1.1 | 1.6 | 1.1 |
| REX SOLE | 0.1 | 1.4 | 17.7 | 3.2 | 0.5 | 1.6 | 0.4 | 0.5 | 0.1 | 0.9 | 0.1 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.4 | 0.0 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 6.1 | 29.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROUGHEYE RKFH | 14.7 | 1.4 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| THORNYHEADS | 0.0 | 9.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.1 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 1.4 | 4.3 | 0.0 | 141.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 65.5 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 0.0 | 0.0 | 0.1 | 0.0 | 5.4 | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.7 | 0.1 | 8.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 |
| SKATES | 35.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 0.0 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 0.0 | 2.3 | 4.8 | 2.7 | 0.0 | 0.0 | 0.9 | 5.0 | 0.0 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SIDE STRIPE SHRIMP | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE NORE DICK DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 | 131 | 132 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/17/87 | 7/21/87 | 7/21/87 | 7/21/87 | 7/21/87 | 7/22/87 | 7/22/87 | 7/22/87 | 7/22/87 | 7/22/87 | 7/22/87 |
| LATITUDE START | 59 42.5 | 59 54.1 | 59 57.8 | 59 57.2 | 60 6.5 | 60 11.6 | 60 6.5 | 60 16.5 | 60 14.9 | 60 5.5 | 59 55.8 |
| LONGITUDE START | 147 10.3 | 147 8.7 | 146 58.7 | 146 20.4 | 146 43.7 | 146 19.4 | 146 8.8 | 146 7.2 | 145 38.3 | 145 39.5 | 145 33.1 |
| LATITUDE END | 59 41.5 | 59 55.3 | 59 57.4 | 59 58.4 | 60 6.1 | 60 11.5 | 60 6.1 | 60 17.3 | 60 14.1 | 60 4.2 | 59 57.1 |
| LONGITUDE END | 147 10.8 | 147 7.8 | 146 56.6 | 146 19.4 | 146 41.3 | 146 16.8 | 146 6.4 | 146 4.8 | 145 36.1 | 145 39.2 | 145 33.7 |
| LORAN START | 13566.50 | 13671.20 | 13754.10 | 13897.10 | 13894.00 | 14035.40 | 14027.40 | 14127.00 | 14219.70 | 14126.90 | 14061.50 |
| LORAN START | 31639.70 | 31725.60 | 31739.50 | 31678.60 | 31786.10 | 31792.80 | 31735.90 | 31814.80 | 31757.50 | 31687.90 | 31587.70 |
| LORAN END | 13554.90 | 13685.30 | 13758.60 | 13911.40 | 13899.70 | 14044.00 | 14032.40 | 14143.40 | 14220.10 | 14116.10 | 14071.80 |
| LORAN END | 31632.90 | 31732.90 | 31733.40 | 31686.10 | 31780.00 | 31787.90 | 31728.40 | 31817.70 | 31747.30 | 31668.60 | 31600.30 |
| GEAR DEPTH | 119 | 120 | 83 | 36 | 60 | 60 | 46 | 28 | 26 | 39 | 43 |
| 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 | 1.05 | 1.22 | 1.14 | 1.24 | 1.24 | 1.31 | 1.31 | 1.43 | 1.34 | 1.31 | 1.41 |
| PERFORMANCE / GEAR | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 |
| POLLOCK | 42.4 | 99.1 | 8.4 | 0.0 | 36.7 | 17.7 | 0.0 | 61.5 | 60.8 | 77.8 | 0.0 |
| PACIFIC COD | 7.7 | 7.3 | 0.0 | 0.1 | 3.2 | 0.0 | 282.6 | 58.5 | 34.9 | 0.0 | 0.0 |
| SABLEFISH | 55.3 | 34.0 | 8.6 | 0.0 | 5.4 | 6.6 | 1.7 | 14.7 | 7.0 | 0.0 | 0.0 |
| ARROWTOOTH FL. | 147.4 | 34.0 | 145.8 | 0.0 | 78.9 | 69.2 | 2.9 | 11.3 | 15.9 | 39.0 | 1.6 |
| HALIBUT | 18.2 | 0.0 | 21.8 | 34.4 | 2.8 | 14.3 | 87.0 | 17.4 | 182.2 | 14.1 | 0.0 |
| FLATHEAD SOLE | 7.9 | 0.9 | 72.8 | 0.0 | 18.1 | 29.5 | 5.7 | 6.4 | 106.4 | 27.9 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 20.4 | 0.0 | 29.5 | 115.7 | 0.0 | 0.0 |
| DOVER SOLE | 18.4 | 43.5 | 22.2 | 0.0 | 6.8 | 17.2 | 0.4 | 12.7 | 33.1 | 2.0 | 0.1 |
| REX SOLE | 34.9 | 36.5 | 8.6 | 0.0 | 3.4 | 4.5 | 2.0 | 4.8 | 12.2 | 3.2 | 0.9 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 8.8 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 0.0 | 6.4 | 0.9 | 0.0 | 7.7 | 2.3 | 0.0 | 0.0 | 1.1 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 |
| 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 |
| ROUGHEYE RKFH | 1.4 | 2.0 | 3.3 | 0.0 | 0.1 | 2.9 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 |
| THORNYHEADS | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23.6 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 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 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.0 | 10.4 | 0.2 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 |
| SKATES | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 69.2 | 13.6 | 0.0 | 1.1 | 0.0 | 0.0 |
| SPINY DOGFISH | 0.0 | 1.4 | 0.0 | 0.0 | 2.5 | 0.0 | 5.9 | 0.0 | 6.4 | 1.6 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 |
| PINK SHRIMP | 0.9 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| SIDE STRIPE SHRIMP | 0.9 | 2.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE NORE DICK DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH/DAY/YEAR | 7/23/87 | 7/23/87 | 7/23/87 | 7/23/87 | 7/23/87 | 7/23/87 | 7/24/87 | 7/24/87 | 7/24/87 | 7/24/87 | 7/25/87 |
| LATITUDE START | 59 55.5 | 59 59.6 | 60 2.8 | 59 57.9 | 59 53.2 | 59 44.0 | 59 43.2 | 59 34.6 | 59 30.6 | 59 29.6 | 59 33.2 |
| LONGITUDE START | 145 21.9 | 145 9.6 | 144 40.3 | 144 42.4 | 144 53.0 | 145 3.5 | 144 45.4 | 144 48.7 | 144 51.9 | 144 52.5 | 144 43.3 |
| LATITUDE END | 59 56.7 | 60 1.0 | 60 1.6 | 59 57.0 | 59 52.6 | 59 43.5 | 59 42.8 | 59 33.4 | 59 30.9 | 59 29.9 | 59 33.1 |
| LONGITUDE END | 145 23.0 | 145 8.9 | 144 40.3 | 144 44.1 | 144 55.2 | 145 5.5 | 144 47.7 | 144 48.9 | 144 54.1 | 144 50.0 | 144 44.5 |
| LORAN START | 14099.80 | 14181.90 | 14313.90 | 14262.50 | 14183.10 | 14063.50 | 14121.50 | 14034.00 | 13988.70 | 13977.90 | 14041.50 |
| LORAN START | 31564.80 | 31577.20 | 31548.10 | 31509.10 | 31489.80 | 31432.20 | 31388.10 | 31320.90 | 31294.70 | 31287.20 | 31297.70 |
| LORAN END | 14107.10 | 14197.20 | 14303.30 | 14248.90 | 14170.00 | 14051.80 | 14109.50 | 14023.20 | 13983.20 | 13989.70 | 14036.70 |
| LORAN END | 31577.30 | 31587.70 | 31537.90 | 31505.30 | 31489.10 | 31431.90 | 31389.10 | 31311.50 | 31301.90 | 31284.50 | 31299.70 |
| GEAR DEPTH | 51 | 69 | 105 | 125 | 119 | 83 | 43 | 109 | 143 | 189 | 81 |
| DURATION IN HOURS | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.25 |
| DISTANCE FISHED | 1.36 | 1.44 | 1.16 | 1.21 | 1.26 | 1.13 | 1.24 | 1.17 | 1.16 | 1.32 | 0.61 |
| PERFORMANCE / GEAR | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 0 /170 | 1 /170 |
| POLLOCK | 7.5 | 26.3 | 249.5 | 66.0 | 94.8 | 40.1 | 1.8 | 47.2 | 1.7 | 35.6 | 0.0 |
| PACIFIC COD | 0.0 | 0.0 | 35.8 | 5.4 | 10.4 | 24.3 | 5.4 | 897.9 | 0.0 | 0.0 | 11.8 |
| SABLEFISH | 0.9 | 1.8 | 30.6 | 62.1 | 39.7 | 35.4 | 0.5 | 69.3 | 65.2 | 5.0 | 12.2 |
| ARROWTOOTH FL. | 13.6 | 41.0 | 31.8 | 104.8 | 84.4 | 245.1 | 0.9 | 2347.9 | 104.3 | 35.6 | 25.4 |
| HALIBUT | 27.3 | 11.8 | 0.0 | 0.0 | 0.0 | 21.0 | 6.4 | 93.7 | 96.5 | 0.0 | 0.0 |
| FLATHEAD SOLE | 36.7 | 33.3 | 10.4 | 28.6 | 13.6 | 132.4 | 65.8 | 5.6 | 0.0 | 0.0 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 24.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| DOVER SOLE | 3.4 | 15.2 | 21.8 | 162.6 | 85.5 | 83.7 | 2.3 | 12.6 | 7.9 | 54.9 | 5.4 |
| REX SOLE | 1.8 | 18.6 | 47.6 | 84.4 | 59.9 | 23.6 | 13.2 | 14.2 | 4.0 | 1.4 | 3.6 |
| YELLOWFIN SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAC OC PERCH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 59.1 | 266.5 | 0.0 | 0.5 |
| ROUGHEYE RKFH | 0.1 | 2.9 | 29.7 | 7.7 | 2.9 | 0.0 | 0.0 | 8.2 | 170.1 | 107.5 | 0.0 |
| THORNYHEADS | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 0.6 | 143.5 | 95.9 | 0.0 |
| NORTHERN RKFH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 31.3 |
| SHORTRAKER RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28.8 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 |
| REDSTRIPE RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHARPCHIN RF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 |
| ATKA MACKEREL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GRENADIERS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SCULPINS | 0.1 | 0.2 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 15.0 | 0.5 |
| SKATES | 0.0 | 0.0 | 0.0 | 12.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 10.9 | 0.0 |
| SPINY DOGFISH | 1.4 | 2.0 | 1.4 | 0.0 | 0.0 | 2.0 | 0.0 | 12.7 | 0.0 | 0.0 | 3.6 |
| SALMON SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TANNER CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PINK SHRIMP | 0.1 | 1.8 | 0.1 | 1.4 | 1.4 | 0.3 | 0.0 | 0.0 | 5.1 | 0.0 | 0.1 |
| SIDE STRIPE SHRIMP | 0.0 | 0.1 | 0.1 | 0.2 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| SCALLOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

KILOGRAMS OF CATCH TAKEN BY THE NORE DICK DURING THE 1987 GULF OF ALASKA BOTTOM TRAWL SURVEY

| HAUL # | 144 | 145 |
|---|---|---|
| MONTH/DAY/YEAR | 7/25/87 | 7/25/87 |
| LATITUDE START | 59 37.9 | 59 37.3 |
| LONGITUDE START | 144 25.3 | 144 18.8 |
| LATITUDE END | 59 39.0 | 59 36.8 |
| LONGITUDE END | 144 24.0 | 144 20.9 |
| LORAN START | 14145.60 | 14162.40 |
| LORAN START | 31298.80 | 31278.10 |
| LORAN END | 14159.80 | 14150.80 |
| LORAN END | 31305.20 | 31278.40 |
| GEAR DEPTH | 86 | 141 |
| DURATION IN HOURS | 0.50 | 0.50 |
| DISTANCE FISHED | 1.30 | 1.18 |
| PERFORMANCE / GEAR | 0 /170 | 0 /170 |
| | | |
| POLLOCK | 1.8 | 98.4 |
| PACIFIC COD | 0.0 | 0.0 |
| SABLEFISH | 5.4 | 24.5 |
| | | |
| ARROWTOOTH FL | 130.6 | 243.4 |
| HALIBUT | 0.0 | 26.0 |
| FLATHEAD SOLE | 90.7 | 0.0 |
| ENGLISH SOLE | 0.0 | 0.0 |
| DOVER SOLE | 15.4 | 31.3 |
| REX SOLE | 2.7 | 21.8 |
| YELLOWFIN SOLE | 0.0 | 0.0 |
| STARRY FLOUNDER | 0.0 | 0.0 |
| ROCK SOLE | 0.0 | 0.0 |
| BUTTER SOLE | 0.0 | 0.0 |
| ALASKA PLAICE | 0.0 | 0.0 |
| | | |
| PAC OC PERCH | 0.7 | 82.8 |
| ROUGHEYE RKFH | 5.0 | 95.7 |
| THORNYHEADS | 0.0 | 98.7 |
| NORTHERN RKFH | 0.0 | 0.0 |
| DUSKY RCKFISH | 0.0 | 0.0 |
| SHORTRAKER RF | 0.0 | 0.0 |
| HARLEQUIN RF | 0.0 | 0.0 |
| REDSTRIPE RF | 0.0 | 0.0 |
| SHARPCHIN RF | 0.0 | 0.0 |
| | | |
| ATKA MACKEREL | 0.0 | 0.0 |
| GRENADIERS | 0.0 | 0.0 |
| SCULPINS | 0.0 | 6.6 |
| | | |
| SKATES | 0.0 | 3.4 |
| SPINY DOGFISH | 1.8 | 0.0 |
| SALMON SHARK | 0.0 | 0.0 |
| SLEEPER SHARK | 0.0 | 0.0 |
| | | |
| TANNER CRAB | 0.0 | 2.0 |
| KING CRAB | 0.0 | 0.0 |
| DUNGENESS CRAB | 0.0 | 0.0 |
| PINK SHRIMP | 0.1 | 0.0 |
| SIDE STRIPE SHRIMP | 0.0 | 0.9 |
| SCALLOP | 0.0 | 0.0 |

Section 4 (continued)

Fishing log for the Nore-Dick

Summary listings of catch rates in descending order of magnitude for selected species of commercial interest

- Catch rates (kg/nm) are standardized to a trawl width of approximately 15 meters. The fishing efficiency adjustments between vessels, used in the distribution and abundance plots in Section 1, are not used.

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ARROWTOOTH FLOUNDER

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 140 | 1994.5 | 1.7 | 109 |
| 76 | 594.0 | 1.3 | 58 |
| 27 | 537.6 | 1.0 | 100 |
| 52 | 483.4 | 0.9 | 82 |
| 66 | 383.4 | 1.2 | 93 |
| 43 | 373.7 | 0.6 | 69 |
| 48 | 371.0 | 1.1 | 82 |
| 34 | 352.6 | 1.4 | 117 |
| 49 | 351.9 | 0.7 | 79 |
| 99 | 339.2 | 0.9 | 152 |
| 47 | 316.6 | 1.1 | 81 |
| 55 | 306.2 | 0.9 | 83 |
| 31 | 302.0 | 0.6 | 73 |
| 50 | 300.9 | 0.8 | 81 |
| 74 | 294.0 | 1.6 | 57 |
| 51 | 292.9 | 0.9 | 83 |
| 53 | 279.7 | 0.9 | 82 |
| 54 | 277.7 | 0.7 | 82 |
| 75 | 270.0 | 1.1 | 56 |
| 73 | 247.6 | 0.4 | 50 |
| 77 | 246.7 | 0.6 | 45 |
| 24 | 227.2 | 0.7 | 111 |
| 138 | 216.3 | 1.4 | 83 |
| 94 | 215.9 | 0.4 | 68 |
| 46 | 214.3 | 1.0 | 85 |
| 30 | 207.8 | 0.3 | 60 |
| 145 | 205.0 | 1.3 | 141 |
| 42 | 203.4 | 1.2 | 85 |
| 21 | 201.1 | 0.5 | 79 |
| 17 | 199.0 | 1.6 | 80 |
| 113 | 194.6 | 1.1 | 80 |
| 95 | 189.4 | 0.9 | 94 |
| 71 | 180.4 | 0.8 | 50 |
| 96 | 173.7 | 1.1 | 107 |
| 13 | 166.7 | 0.5 | 82 |
| 98 | 159.2 | 1.2 | 163 |
| 72 | 157.2 | 1.0 | 54 |
| 63 | 150.5 | 0.7 | 56 |
| 102 | 145.8 | 0.6 | 88 |
| 101 | 139.5 | 0.9 | 80 |
| 122 | 139.5 | 0.9 | 119 |
| 100 | 138.9 | 0.5 | 72 |
| 106 | 128.0 | 0.9 | 151 |
| 124 | 127.5 | 0.8 | 83 |
| 112 | 125.6 | 1.3 | 98 |
| 19 | 124.0 | 0.7 | 89 |
| 81 | 121.6 | 1.7 | 142 |
| 97 | 114.3 | 0.6 | 87 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ARROWTOOTH FLOUNDER

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 64 | 114.2 | 0.8 | 52 |
| 14 | 110.6 | 0.5 | 62 |
| 59 | 107.7 | 0.4 | 53 |
| 90 | 106.8 | 1.8 | 170 |
| 84 | 105.5 | 2.4 | 122 |
| 144 | 100.2 | 0.4 | 86 |
| 62 | 96.5 | 0.4 | 54 |
| 82 | 95.6 | 1.8 | 138 |
| 26 | 95.5 | 0.6 | 79 |
| 114 | 93.7 | 0.6 | 74 |
| 108 | 92.4 | 0.8 | 98 |
| 141 | 89.4 | 1.4 | 143 |
| 65 | 87.1 | 0.5 | 54 |
| 83 | 86.1 | 2.0 | 132 |
| 136 | 86.1 | 1.4 | 125 |
| 88 | 83.3 | 1.8 | 167 |
| 92 | 82.6 | 1.9 | 159 |
| 37 | 80.4 | 0.3 | 47 |
| 18 | 79.2 | 0.5 | 72 |
| 60 | 78.1 | 0.3 | 52 |
| 79 | 76.6 | 2.3 | 131 |
| 15 | 73.1 | 0.5 | 71 |
| 61 | 71.7 | 0.5 | 52 |
| 137 | 66.5 | 1.3 | 119 |
| 91 | 66.5 | 1.7 | 175 |
| 9 | 64.0 | 0.6 | 61 |
| 126 | 63.5 | 1.0 | 60 |
| 103 | 63.2 | 0.8 | 73 |
| 117 | 61.8 | 0.8 | 63 |
| 5 | 59.9 | 0.5 | 96 |
| 89 | 58.0 | 1.9 | 175 |
| 20 | 57.9 | 0.3 | 76 |
| 127 | 52.7 | 1.2 | 60 |
| 85 | 47.2 | 1.8 | 143 |
| 87 | 46.8 | 1.8 | 163 |
| 78 | 45.7 | 1.7 | 140 |
| 44 | 43.8 | 0.4 | 71 |
| 25 | 43.3 | 0.6 | 80 |
| 58 | 41.7 | 0.4 | 54 |
| 143 | 41.5 | 0.7 | 81 |
| 110 | 39.5 | 1.1 | 120 |
| 109 | 38.5 | 0.6 | 64 |
| 111 | 38.2 | 0.7 | 67 |
| 118 | 37.6 | 0.5 | 54 |
| 80 | 35.6 | 2.0 | 119 |
| 57 | 33.7 | 0.5 | 55 |
| 131 | 29.7 | 0.7 | 59 |
| 36 | 29.6 | 0.3 | 45 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ARROWTOOTH FLOUNDER

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 134 | 28.4 | 0.9 | 69 |
| 39 | 28.2 | 0.4 | 45 |
| 123 | 27.7 | 1.3 | 120 |
| 33 | 27.4 | 0.3 | 135 |
| 135 | 27.3 | 1.3 | 105 |
| 142 | 26.8 | 0.8 | 189 |
| 3 | 24.8 | 0.3 | 48 |
| 38 | 23.1 | 0.2 | 47 |
| 35 | 15.7 | 0.9 | 42 |
| 116 | 14.3 | 0.3 | 60 |
| 130 | 12.4 | 0.4 | 26 |
| 8 | 11.9 | 0.5 | 40 |
| 2 | 11.6 | 0.4 | 49 |
| 133 | 10.5 | 0.3 | 51 |
| 40 | 9.6 | 0.3 | 40 |
| 120 | 8.4 | 0.3 | 53 |
| 129 | 8.3 | 0.8 | 28 |
| 115 | 7.1 | 0.6 | 83 |
| 10 | 6.1 | 0.5 | 51 |
| 6 | 3.7 | 0.4 | 56 |
| 4 | 3.5 | 0.2 | 47 |
| 22 | 3.5 | 0.4 | 41 |
| 128 | 2.4 | 0.4 | 46 |
| 104 | 2.3 | 0.8 | 56 |
| 105 | 2.2 | 0.9 | 49 |
| 86 | 1.8 | 1.4 | 187 |
| 132 | 1.2 | 0.1 | 43 |
| 69 | 1.1 | 0.1 | 45 |
| 68 | 0.9 | 0.1 | 43 |
| 139 | 0.8 | 0.1 | 43 |
| 70 | 0.6 | 0.2 | 34 |
| 67 | 0.4 | 0.1 | 45 |
| 41 | 0.3 | 0.1 | 41 |
| 119 | 0.1 | 0.0 | 45 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC HALIBUT

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 130 | 142.8 | 6.3 | 26 |
| 113 | 134.8 | 12.2 | 80 |
| 101 | 134.1 | 16.5 | 80 |
| 69 | 109.3 | 1.3 | 45 |
| 39 | 94.7 | 4.3 | 45 |
| 22 | 90.1 | 26.0 | 41 |
| 141 | 82.7 | 32.2 | 143 |
| 67 | 79.9 | 10.6 | 45 |
| 140 | 79.6 | 13.4 | 109 |
| 20 | 79.2 | 15.1 | 76 |
| 94 | 71.2 | 6.3 | 68 |
| 23 | 70.8 | 2.5 | 42 |
| 128 | 69.7 | 2.8 | 46 |
| 48 | 66.2 | 32.5 | 82 |
| 99 | 57.9 | 20.8 | 152 |
| 77 | 55.5 | 2.1 | 45 |
| 107 | 52.4 | 2.2 | 45 |
| 98 | 47.4 | 26.4 | 163 |
| 9 | 44.7 | 2.4 | 61 |
| 62 | 44.3 | 15.8 | 54 |
| 35 | 43.4 | 3.0 | 42 |
| 1 | 39.2 | 1.8 | 43 |
| 121 | 38.9 | 2.2 | 42 |
| 43 | 36.0 | 37.5 | 69 |
| 112 | 34.5 | 14.2 | 98 |
| 15 | 32.1 | 4.8 | 71 |
| 63 | 31.4 | 4.4 | 56 |
| 68 | 30.4 | 1.8 | 43 |
| 125 | 29.1 | 1.7 | 36 |
| 105 | 23.5 | 2.1 | 49 |
| 10 | 23.3 | 3.2 | 51 |
| 81 | 23.1 | 13.0 | 142 |
| 4 | 23.1 | 4.4 | 47 |
| 73 | 21.9 | 3.7 | 50 |
| 145 | 21.9 | 26.0 | 141 |
| 133 | 21.0 | 3.9 | 51 |
| 37 | 21.0 | 9.0 | 47 |
| 104 | 20.7 | 3.4 | 56 |
| 31 | 20.1 | 4.4 | 73 |
| 95 | 19.6 | 9.6 | 94 |
| 124 | 19.1 | 10.9 | 83 |
| 138 | 18.5 | 7.0 | 83 |
| 30 | 17.8 | 5.9 | 60 |
| 122 | 17.2 | 18.2 | 119 |
| 40 | 15.9 | 0.8 | 40 |
| 17 | 15.7 | 8.3 | 80 |
| 71 | 15.6 | 1.7 | 50 |
| 33 | 15.2 | 14.8 | 135 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC HALIBUT

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 83 | 14.3 | 8.8 | 132 |
| 129 | 12.8 | 1.9 | 28 |
| 36 | 12.7 | 1.8 | 45 |
| 44 | 12.4 | 15.2 | 71 |
| 3 | 11.9 | 1.3 | 48 |
| 85 | 11.8 | 4.1 | 143 |
| 119 | 11.6 | 3.3 | 45 |
| 96 | 11.5 | 16.2 | 107 |
| 127 | 10.9 | 3.6 | 60 |
| 131 | 10.7 | 3.5 | 59 |
| 64 | 10.6 | 8.3 | 52 |
| 100 | 10.0 | 11.8 | 72 |
| 61 | 9.6 | 4.1 | 52 |
| 27 | 9.5 | 3.4 | 100 |
| 59 | 9.4 | 2.7 | 53 |
| 19 | 9.0 | 5.6 | 89 |
| 2 | 8.7 | 1.5 | 49 |
| 134 | 8.2 | 11.8 | 69 |
| 18 | 8.0 | 4.0 | 72 |
| 108 | 6.5 | 3.4 | 98 |
| 14 | 6.5 | 2.4 | 62 |
| 70 | 6.2 | 0.5 | 34 |
| 114 | 6.0 | 3.4 | 74 |
| 21 | 6.0 | 3.6 | 79 |
| 139 | 5.4 | 1.3 | 43 |
| 84 | 5.0 | 5.2 | 122 |
| 116 | 4.5 | 1.9 | 60 |
| 72 | 4.3 | 2.0 | 54 |
| 58 | 4.1 | 3.1 | 54 |
| 13 | 4.0 | 4.0 | 82 |
| 103 | 3.8 | 5.4 | 73 |
| 6 | 3.6 | 1.6 | 56 |
| 11 | 3.3 | 3.1 | 41 |
| 41 | 2.8 | 0.7 | 41 |
| 109 | 2.5 | 3.1 | 64 |
| 38 | 2.4 | 1.6 | 47 |
| 126 | 2.3 | 1.4 | 60 |
| 28 | 1.8 | 0.5 | 27 |
| 42 | 0.9 | 1.3 | 85 |
| 24 | 0.9 | 0.8 | 111 |
| 60 | 0.8 | 0.6 | 52 |
| 102 | 0.8 | 1.0 | 88 |
| 7 | 0.7 | 0.3 | 41 |
| 106 | 0.5 | 0.5 | 151 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES FLATHEAD SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 76 | 1091.5 | 0.4 | 58 |
| 75 | 710.3 | 0.5 | 56 |
| 43 | 505.2 | 0.2 | 69 |
| 74 | 405.7 | 0.5 | 57 |
| 36 | 278.6 | 0.3 | 45 |
| 71 | 259.4 | 0.3 | 50 |
| 113 | 226.3 | 0.8 | 80 |
| 72 | 215.2 | 0.6 | 54 |
| 54 | 202.6 | 0.5 | 82 |
| 52 | 201.6 | 0.3 | 82 |
| 49 | 194.5 | 0.3 | 79 |
| 50 | 183.9 | 0.3 | 81 |
| 55 | 177.4 | 0.3 | 83 |
| 53 | 169.8 | 0.3 | 82 |
| 48 | 166.1 | 0.3 | 82 |
| 14 | 165.7 | 0.3 | 62 |
| 24 | 156.5 | 0.3 | 111 |
| 77 | 142.5 | 0.4 | 45 |
| 114 | 140.7 | 0.6 | 74 |
| 51 | 140.0 | 0.3 | 83 |
| 95 | 138.9 | 0.2 | 94 |
| 37 | 134.5 | 0.2 | 47 |
| 42 | 134.0 | 0.3 | 85 |
| 33 | 129.2 | 1.4 | 135 |
| 138 | 116.9 | 0.6 | 83 |
| 99 | 113.5 | 0.2 | 152 |
| 47 | 110.3 | 0.3 | 81 |
| 38 | 109.8 | 0.2 | 47 |
| 13 | 108.7 | 0.2 | 82 |
| 17 | 107.5 | 0.4 | 80 |
| 106 | 102.1 | 0.3 | 151 |
| 73 | 93.9 | 0.3 | 50 |
| 94 | 86.6 | 0.9 | 68 |
| 130 | 83.3 | 0.3 | 26 |
| 31 | 82.6 | 0.3 | 73 |
| 66 | 79.5 | 0.3 | 93 |
| 144 | 69.6 | 0.7 | 86 |
| 46 | 66.7 | 0.3 | 85 |
| 124 | 63.7 | 0.2 | 83 |
| 96 | 60.6 | 0.2 | 107 |
| 139 | 55.7 | 0.4 | 43 |
| 39 | 46.4 | 0.3 | 45 |
| 44 | 44.1 | 0.3 | 71 |
| 117 | 42.9 | 0.4 | 63 |
| 102 | 39.5 | 0.3 | 88 |
| 25 | 35.9 | 0.2 | 80 |
| 97 | 35.0 | 0.2 | 87 |
| 118 | 34.0 | 0.3 | 54 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES FLATHEAD SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 15 | 33.5 | 0.3 | 71 |
| 108 | 30.2 | 0.2 | 98 |
| 100 | 29.1 | 0.3 | 72 |
| 133 | 28.4 | 0.3 | 51 |
| 27 | 28.0 | 0.3 | 100 |
| 136 | 23.5 | 0.3 | 125 |
| 26 | 23.4 | 0.2 | 79 |
| 134 | 23.1 | 0.2 | 69 |
| 127 | 22.4 | 0.2 | 60 |
| 98 | 21.9 | 0.2 | 163 |
| 131 | 21.2 | 0.2 | 59 |
| 30 | 18.1 | 0.4 | 60 |
| 126 | 14.6 | 0.2 | 60 |
| 9 | 12.2 | 0.2 | 61 |
| 137 | 10.7 | 0.3 | 119 |
| 116 | 9.0 | 0.4 | 60 |
| 135 | 9.0 | 0.3 | 105 |
| 80 | 7.9 | 0.2 | 119 |
| 40 | 7.9 | 0.6 | 40 |
| 39 | 7.8 | 0.3 | 53 |
| 122 | 7.5 | 0.3 | 119 |
| 121 | 6.0 | 0.2 | 42 |
| 79 | 5.4 | 0.2 | 131 |
| 60 | 5.1 | 0.4 | 52 |
| 120 | 4.9 | 0.3 | 53 |
| 140 | 4.7 | 0.3 | 109 |
| 129 | 4.7 | 0.2 | 28 |
| 101 | 4.6 | 0.4 | 80 |
| 128 | 4.5 | 0.3 | 46 |
| 34 | 4.5 | 0.3 | 117 |
| 84 | 4.4 | 0.2 | 122 |
| 65 | 4.1 | 0.5 | 54 |
| 64 | 4.0 | 0.6 | 52 |
| 109 | 2.7 | 0.2 | 64 |
| 61 | 2.7 | 0.2 | 52 |
| 62 | 2.5 | 0.4 | 54 |
| 111 | 2.3 | 0.1 | 67 |
| 10 | 2.1 | 0.3 | 51 |
| 82 | 1.9 | 0.2 | 138 |
| 112 | 1.8 | 0.2 | 98 |
| 83 | 1.8 | 0.2 | 132 |
| 63 | 1.3 | 0.2 | 56 |
| 58 | 1.2 | 0.2 | 54 |
| 123 | 0.7 | 0.3 | 120 |
| 92 | 0.7 | 0.1 | 159 |
| 89 | 0.6 | 0.2 | 175 |
| 91 | 0.6 | 0.2 | 175 |
| 90 | 0.5 | 0.2 | 170 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES FLATHEAD SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 85 | 0.4 | 0.2 | 143 |
| 21 | 0.4 | 0.5 | 79 |
| 57 | 0.4 | 0.1 | 55 |
| 119 | 0.2 | 0.2 | 45 |
| 110 | 0.2 | 0.1 | 120 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES DOVER SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 81 | 136.9 | 0.6 | 142 |
| 136 | 133.6 | 0.6 | 125 |
| 86 | 124.0 | 0.4 | 187 |
| 88 | 107.7 | 0.5 | 167 |
| 34 | 90.9 | 0.8 | 117 |
| 90 | 86.4 | 0.5 | 170 |
| 78 | 82.9 | 0.6 | 140 |
| 138 | 73.8 | 0.6 | 83 |
| 83 | 72.9 | 0.4 | 132 |
| 137 | 67.4 | 0.6 | 119 |
| 92 | 65.6 | 0.5 | 159 |
| 87 | 64.4 | 0.5 | 163 |
| 80 | 60.9 | 0.5 | 119 |
| 79 | 60.4 | 0.5 | 131 |
| 112 | 49.3 | 0.6 | 98 |
| 91 | 46.2 | 0.5 | 175 |
| 27 | 43.3 | 0.7 | 100 |
| 142 | 41.3 | 0.6 | 189 |
| 99 | 38.1 | 0.8 | 152 |
| 89 | 37.1 | 0.5 | 175 |
| 123 | 35.5 | 0.6 | 120 |
| 82 | 29.9 | 0.6 | 138 |
| 85 | 29.0 | 0.5 | 143 |
| 100 | 27.6 | 0.7 | 72 |
| 145 | 26.4 | 0.6 | 141 |
| 130 | 25.9 | 0.6 | 26 |
| 33 | 25.6 | 1.0 | 135 |
| 113 | 22.2 | 0.5 | 80 |
| 102 | 21.0 | 0.6 | 88 |
| 114 | 19.8 | 0.5 | 74 |
| 124 | 19.4 | 0.4 | 83 |
| 135 | 18.7 | 0.4 | 105 |
| 122 | 17.4 | 0.5 | 119 |
| 84 | 14.9 | 0.6 | 122 |
| 117 | 14.2 | 0.6 | 63 |
| 108 | 13.6 | 0.5 | 98 |
| 110 | 13.4 | 0.6 | 120 |
| 127 | 13.1 | 0.6 | 60 |
| 144 | 11.8 | 0.6 | 86 |
| 140 | 10.7 | 0.4 | 109 |
| 134 | 10.5 | 0.3 | 69 |
| 121 | 9.9 | 0.2 | 42 |
| 46 | 9.6 | 1.0 | 85 |
| 129 | 9.3 | 0.4 | 28 |
| 106 | 9.3 | 0.6 | 151 |
| 143 | 8.9 | 0.3 | 81 |
| 116 | 8.9 | 0.4 | 60 |
| 115 | 8.5 | 0.6 | 83 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES DOVER SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 94 | 8.3 | 0.6 | 68 |
| 96 | 8.2 | 0.7 | 107 |
| 95 | 7.6 | 0.6 | 94 |
| 118 | 7.5 | 0.5 | 54 |
| 97 | 7.2 | 0.6 | 87 |
| 141 | 6.8 | 0.5 | 143 |
| 52 | 5.7 | 0.5 | 82 |
| 126 | 5.5 | 0.6 | 60 |
| 50 | 5.4 | 1.2 | 81 |
| 98 | 3.2 | 0.7 | 163 |
| 133 | 2.6 | 0.4 | 51 |
| 19 | 2.6 | 0.6 | 89 |
| 120 | 2.5 | 0.3 | 53 |
| 66 | 2.4 | 0.5 | 93 |
| 37 | 2.2 | 0.2 | 47 |
| 139 | 1.9 | 0.3 | 43 |
| 131 | 1.6 | 0.5 | 59 |
| 44 | 1.5 | 0.6 | 71 |
| 109 | 1.4 | 0.5 | 64 |
| 103 | 1.4 | 0.4 | 73 |
| 49 | 1.4 | 0.7 | 79 |
| 20 | 1.2 | 0.5 | 76 |
| 39 | 1.1 | 0.2 | 45 |
| 15 | 1.1 | 0.4 | 71 |
| 119 | 1.0 | 0.6 | 45 |
| 111 | 0.9 | 0.3 | 67 |
| 21 | 0.8 | 0.5 | 79 |
| 51 | 0.7 | 0.5 | 83 |
| 13 | 0.7 | 0.2 | 82 |
| 24 | 0.5 | 0.5 | 111 |
| 53 | 0.5 | 0.2 | 82 |
| 101 | 0.4 | 0.5 | 80 |
| 128 | 0.3 | 0.2 | 46 |
| 36 | 0.3 | 0.2 | 45 |
| 57 | 0.2 | 0.1 | 55 |
| 107 | 0.1 | 0.1 | 45 |
| 132 | 0.1 | 0.1 | 43 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES REX SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 5 | 119.7 | 0.5 | 96 |
| 34 | 112.2 | 0.4 | 117 |
| 100 | 81.8 | 0.3 | 72 |
| 136 | 69.3 | 0.3 | 125 |
| 79 | 59.5 | 0.3 | 131 |
| 80 | 55.4 | 0.3 | 119 |
| 137 | 47.2 | 0.3 | 119 |
| 135 | 40.9 | 0.2 | 105 |
| 103 | 40.9 | 0.2 | 73 |
| 78 | 39.1 | 0.3 | 140 |
| 81 | 38.6 | 0.3 | 142 |
| 92 | 35.7 | 0.3 | 159 |
| 84 | 33.3 | 0.3 | 122 |
| 122 | 33.1 | 0.3 | 119 |
| 27 | 31.9 | 0.5 | 100 |
| 82 | 29.9 | 0.3 | 138 |
| 123 | 29.7 | 0.3 | 120 |
| 9 | 27.3 | 0.2 | 61 |
| 90 | 26.8 | 0.3 | 170 |
| 85 | 26.4 | 0.3 | 143 |
| 19 | 26.3 | 0.5 | 89 |
| 91 | 26.0 | 0.3 | 175 |
| 33 | 25.1 | 0.8 | 135 |
| 88 | 25.0 | 0.3 | 167 |
| 15 | 23.0 | 0.2 | 71 |
| 138 | 20.8 | 0.2 | 83 |
| 31 | 20.6 | 0.4 | 73 |
| 145 | 18.3 | 0.2 | 141 |
| 83 | 17.2 | 0.2 | 132 |
| 17 | 17.1 | 0.4 | 80 |
| 87 | 15.8 | 0.2 | 163 |
| 89 | 15.4 | 0.1 | 175 |
| 113 | 15.1 | 0.2 | 80 |
| 71 | 13.2 | 0.5 | 50 |
| 86 | 13.0 | 0.3 | 187 |
| 134 | 12.9 | 0.1 | 69 |
| 99 | 12.6 | 0.4 | 152 |
| 140 | 12.0 | 0.2 | 109 |
| 139 | 11.1 | 0.2 | 43 |
| 73 | 10.9 | 0.1 | 50 |
| 130 | 9.6 | 0.1 | 26 |
| 101 | 9.6 | 0.3 | 80 |
| 94 | 8.0 | 0.4 | 68 |
| 110 | 7.9 | 0.2 | 120 |
| 39 | 7.8 | 0.1 | 45 |
| 102 | 7.7 | 0.2 | 88 |
| 57 | 7.5 | 0.3 | 55 |
| 124 | 7.5 | 0.2 | 83 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES REX SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 13 | 7.3 | 0.2 | 82 |
| 42 | 6.6 | 0.1 | 85 |
| 30 | 6.6 | 0.3 | 60 |
| 143 | 5.9 | 0.2 | 81 |
| 97 | 5.7 | 0.3 | 87 |
| 66 | 5.5 | 0.6 | 93 |
| 96 | 5.5 | 0.1 | 107 |
| 95 | 4.4 | 0.1 | 94 |
| 106 | 4.0 | 0.1 | 151 |
| 37 | 3.7 | 0.2 | 47 |
| 129 | 3.5 | 0.1 | 28 |
| 55 | 3.5 | 0.5 | 83 |
| 127 | 3.5 | 0.2 | 60 |
| 141 | 3.4 | 0.2 | 143 |
| 44 | 3.3 | 0.3 | 71 |
| 59 | 3.1 | 0.6 | 53 |
| 98 | 2.8 | 0.3 | 163 |
| 114 | 2.8 | 0.2 | 74 |
| 126 | 2.7 | 0.2 | 60 |
| 108 | 2.7 | 0.2 | 98 |
| 43 | 2.6 | 0.1 | 69 |
| 109 | 2.5 | 0.1 | 64 |
| 131 | 2.4 | 0.2 | 59 |
| 104 | 2.3 | 0.3 | 56 |
| 144 | 2.1 | 0.2 | 86 |
| 65 | 2.0 | 0.5 | 54 |
| 50 | 2.0 | 0.3 | 81 |
| 48 | 1.8 | 0.9 | 82 |
| 53 | 1.8 | 0.9 | 82 |
| 54 | 1.8 | 0.2 | 82 |
| 77 | 1.7 | 0.1 | 45 |
| 128 | 1.6 | 0.2 | 46 |
| 61 | 1.6 | 0.3 | 52 |
| 133 | 1.4 | 0.2 | 51 |
| 120 | 1.4 | 0.1 | 53 |
| 49 | 1.4 | 0.7 | 79 |
| 116 | 1.2 | 0.3 | 60 |
| 58 | 1.2 | 0.2 | 54 |
| 64 | 1.1 | 0.3 | 52 |
| 21 | 1.1 | 0.3 | 79 |
| 112 | 1.1 | 0.2 | 98 |
| 24 | 1.0 | 0.2 | 111 |
| 142 | 1.0 | 0.2 | 189 |
| 121 | 0.9 | 0.1 | 42 |
| 115 | 0.9 | 0.2 | 83 |
| 46 | 0.7 | 0.2 | 85 |
| 51 | 0.7 | 0.2 | 83 |
| 132 | 0.7 | 0.1 | 43 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES REX SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 75 | 0.7 | 0.2 | 56 |
| 60 | 0.6 | 0.2 | 52 |
| 62 | 0.6 | 0.5 | 54 |
| 26 | 0.6 | 0.1 | 79 |
| 40 | 0.5 | 0.2 | 40 |
| 47 | 0.4 | 0.1 | 81 |
| 25 | 0.4 | 0.2 | 80 |
| 118 | 0.4 | 0.1 | 54 |
| 52 | 0.3 | 0.1 | 82 |
| 117 | 0.3 | 0.2 | 63 |
| 14 | 0.2 | 0.0 | 62 |
| 63 | 0.1 | 0.1 | 56 |
| 119 | 0.1 | 0.1 | 45 |
| 107 | 0.1 | 0.1 | 45 |
| 111 | 0.1 | 0.1 | 67 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES YELLOWFIN SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 36 | 361.7 | 0.4 | 45 |
| 71 | 183.4 | 0.5 | 50 |
| 73 | 121.1 | 0.5 | 50 |
| 37 | 76.0 | 0.4 | 47 |
| 38 | 66.8 | 0.4 | 47 |
| 39 | 64.3 | 0.4 | 45 |
| 77 | 54.8 | 0.4 | 45 |
| 14 | 21.4 | 0.6 | 62 |
| 72 | 15.2 | 0.8 | 54 |
| 43 | 13.0 | 0.6 | 69 |
| 74 | 12.0 | 0.7 | 57 |
| 76 | 1.5 | 0.1 | 58 |
| 28 | 0.7 | 0.5 | 27 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ROCK SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 40 | 236.6 | 0.3 | 40 |
| 37 | 185.6 | 0.3 | 47 |
| 77 | 164.4 | 0.4 | 45 |
| 71 | 163.1 | 0.4 | 50 |
| 69 | 127.0 | 0.4 | 45 |
| 35 | 71.2 | 0.6 | 42 |
| 59 | 61.7 | 0.3 | 53 |
| 8 | 59.5 | 0.4 | 40 |
| 36 | 57.9 | 0.5 | 45 |
| 3 | 57.8 | 0.6 | 48 |
| 2 | 55.8 | 0.4 | 49 |
| 4 | 52.0 | 0.5 | 47 |
| 70 | 51.7 | 0.5 | 34 |
| 43 | 48.2 | 0.6 | 69 |
| 9 | 47.7 | 0.5 | 61 |
| 28 | 43.8 | 0.4 | 27 |
| 73 | 43.5 | 0.5 | 50 |
| 68 | 39.9 | 0.3 | 43 |
| 64 | 34.4 | 0.3 | 52 |
| 94 | 30.5 | 0.2 | 68 |
| 76 | 30.2 | 0.4 | 58 |
| 67 | 28.3 | 0.3 | 45 |
| 61 | 25.1 | 0.4 | 52 |
| 60 | 24.1 | 0.3 | 52 |
| 14 | 23.8 | 0.4 | 62 |
| 41 | 22.0 | 0.5 | 41 |
| 10 | 21.5 | 0.5 | 51 |
| 30 | 21.2 | 0.5 | 60 |
| 65 | 18.4 | 0.4 | 54 |
| 7 | 17.9 | 0.4 | 41 |
| 62 | 17.8 | 0.4 | 54 |
| 75 | 16.0 | 0.7 | 56 |
| 57 | 13.6 | 0.3 | 55 |
| 63 | 12.9 | 0.3 | 56 |
| 58 | 12.5 | 0.3 | 54 |
| 16 | 12.4 | 0.3 | 44 |
| 39 | 11.7 | 0.6 | 45 |
| 6 | 11.6 | 0.5 | 56 |
| 107 | 10.5 | 0.4 | 45 |
| 74 | 9.3 | 0.6 | 57 |
| 1 | 6.9 | 0.6 | 43 |
| 72 | 6.7 | 0.5 | 54 |
| 128 | 6.2 | 0.8 | 46 |
| 22 | 5.9 | 0.2 | 41 |
| 11 | 5.7 | 0.4 | 41 |
| 125 | 5.4 | 0.5 | 36 |
| 44 | 4.4 | 0.7 | 71 |
| 105 | 3.8 | 0.4 | 49 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ROCK SOLE

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 20 | 2.4 | 0.7 | 76 |
| 13 | 2.1 | 0.3 | 82 |
| 129 | 1.7 | 0.8 | 28 |
| 49 | 1.4 | 0.2 | 79 |
| 23 | 1.3 | 0.3 | 42 |
| 119 | 1.2 | 0.7 | 45 |
| 104 | 1.2 | 0.6 | 56 |
| 50 | 1.0 | 0.5 | 81 |
| 52 | 0.9 | 0.5 | 82 |
| 132 | 0.8 | 0.6 | 43 |
| 46 | 0.7 | 0.2 | 85 |
| 126 | 0.7 | 0.9 | 60 |
| 17 | 0.6 | 0.7 | 80 |
| 12 | 0.6 | 0.2 | 42 |
| 55 | 0.6 | 0.2 | 83 |
| 42 | 0.5 | 0.3 | 85 |
| 48 | 0.5 | 0.1 | 82 |
| 47 | 0.4 | 0.2 | 81 |
| 109 | 0.4 | 0.5 | 64 |
| 53 | 0.3 | 0.1 | 82 |
| 54 | 0.2 | 0.1 | 82 |
| 66 | 0.2 | 0.2 | 93 |
| 5 | 0.1 | 0.1 | 96 |
| 106 | 0.1 | 0.1 | 151 |
| 118 | 0.1 | 0.1 | 54 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES SABLEFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 27 | 762.5 | 1.2 | 100 |
| 101 | 251.7 | 2.0 | 80 |
| 99 | 194.6 | 2.6 | 152 |
| 89 | 110.5 | 2.3 | 175 |
| 78 | 106.7 | 2.3 | 140 |
| 98 | 99.5 | 1.6 | 163 |
| 79 | 96.5 | 2.2 | 131 |
| 87 | 87.2 | 2.3 | 163 |
| 94 | 76.0 | 2.0 | 68 |
| 86 | 66.4 | 2.4 | 187 |
| 33 | 63.2 | 2.6 | 135 |
| 91 | 59.5 | 2.6 | 175 |
| 140 | 58.9 | 2.0 | 109 |
| 141 | 55.9 | 2.0 | 143 |
| 122 | 52.4 | 2.0 | 119 |
| 136 | 51.0 | 2.2 | 125 |
| 82 | 50.5 | 2.2 | 138 |
| 88 | 50.1 | 2.0 | 167 |
| 85 | 49.8 | 2.1 | 143 |
| 81 | 46.7 | 2.2 | 142 |
| 90 | 39.2 | 2.4 | 170 |
| 92 | 35.1 | 2.5 | 159 |
| 137 | 31.3 | 2.3 | 119 |
| 138 | 31.2 | 1.5 | 83 |
| 102 | 29.6 | 1.9 | 88 |
| 113 | 27.8 | 1.6 | 80 |
| 123 | 27.7 | 2.4 | 120 |
| 108 | 26.7 | 2.2 | 98 |
| 135 | 26.3 | 1.6 | 105 |
| 5 | 25.7 | 1.3 | 96 |
| 96 | 24.9 | 2.3 | 107 |
| 110 | 21.4 | 3.1 | 120 |
| 145 | 20.6 | 1.6 | 141 |
| 143 | 20.0 | 1.2 | 81 |
| 112 | 18.8 | 1.7 | 98 |
| 100 | 15.3 | 2.3 | 72 |
| 80 | 15.0 | 1.7 | 119 |
| 114 | 13.9 | 1.0 | 74 |
| 84 | 13.1 | 1.9 | 122 |
| 106 | 12.9 | 1.7 | 151 |
| 34 | 12.5 | 1.9 | 117 |
| 66 | 12.3 | 2.0 | 93 |
| 24 | 11.0 | 1.2 | 111 |
| 129 | 10.8 | 0.5 | 28 |
| 54 | 10.0 | 2.5 | 82 |
| 83 | 9.9 | 2.4 | 132 |
| 124 | 7.5 | 1.1 | 83 |
| 116 | 7.3 | 1.1 | 60 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES SABLEFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 55 | 7.0 | 1.4 | 83 |
| 130 | 5.5 | 0.3 | 26 |
| 127 | 5.0 | 0.9 | 60 |
| 126 | 4.4 | 1.1 | 60 |
| 144 | 4.2 | 1.1 | 86 |
| 95 | 4.2 | 1.0 | 94 |
| 47 | 4.0 | 1.1 | 81 |
| 142 | 3.8 | 1.7 | 189 |
| 53 | 3.7 | 1.8 | 82 |
| 111 | 3.4 | 1.1 | 67 |
| 115 | 2.6 | 1.4 | 83 |
| 117 | 2.3 | 0.8 | 63 |
| 39 | 2.2 | 0.9 | 45 |
| 36 | 1.9 | 0.7 | 45 |
| 19 | 1.8 | 1.1 | 89 |
| 49 | 1.8 | 0.9 | 79 |
| 128 | 1.3 | 0.3 | 46 |
| 134 | 1.3 | 0.9 | 69 |
| 109 | 1.1 | 1.4 | 64 |
| 26 | 1.0 | 1.1 | 79 |
| 118 | 0.7 | 0.9 | 54 |
| 133 | 0.7 | 0.9 | 51 |
| 31 | 0.6 | 0.7 | 73 |
| 139 | 0.4 | 0.5 | 43 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC COD

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 64 | 2256.0 | 1.8 | 52 |
| 59 | 1420.0 | 1.8 | 53 |
| 63 | 806.3 | 1.4 | 56 |
| 140 | 762.8 | 2.6 | 109 |
| 43 | 540.3 | 2.9 | 69 |
| 65 | 369.4 | 1.9 | 54 |
| 21 | 237.0 | 1.9 | 79 |
| 128 | 226.5 | 1.8 | 46 |
| 101 | 217.9 | 1.8 | 80 |
| 39 | 209.3 | 2.1 | 45 |
| 36 | 198.2 | 2.9 | 45 |
| 62 | 187.3 | 1.5 | 54 |
| 7 | 153.9 | 2.2 | 41 |
| 51 | 143.6 | 2.6 | 83 |
| 73 | 133.3 | 2.1 | 50 |
| 67 | 129.6 | 1.2 | 45 |
| 50 | 109.1 | 2.8 | 81 |
| 100 | 101.2 | 1.7 | 72 |
| 31 | 99.7 | 2.3 | 73 |
| 49 | 99.5 | 2.5 | 79 |
| 9 | 92.1 | 1.2 | 61 |
| 103 | 89.0 | 1.2 | 73 |
| 15 | 85.7 | 2.2 | 71 |
| 1 | 81.0 | 1.0 | 43 |
| 19 | 77.5 | 2.1 | 89 |
| 113 | 76.3 | 2.9 | 80 |
| 76 | 75.4 | 2.3 | 58 |
| 61 | 73.8 | 1.7 | 52 |
| 37 | 70.2 | 1.5 | 47 |
| 27 | 70.1 | 2.8 | 100 |
| 38 | 68.8 | 1.6 | 47 |
| 57 | 63.9 | 1.2 | 55 |
| 55 | 63.8 | 2.1 | 83 |
| 60 | 61.6 | 1.0 | 52 |
| 52 | 61.2 | 2.7 | 82 |
| 44 | 58.8 | 2.0 | 71 |
| 10 | 56.5 | 2.4 | 51 |
| 77 | 54.8 | 4.2 | 45 |
| 17 | 53.8 | 2.3 | 80 |
| 48 | 53.5 | 2.0 | 82 |
| 6 | 53.1 | 3.8 | 56 |
| 54 | 51.6 | 2.6 | 82 |
| 47 | 47.6 | 2.5 | 81 |
| 46 | 47.5 | 2.9 | 85 |
| 129 | 43.0 | 2.5 | 28 |
| 72 | 42.9 | 2.0 | 54 |
| 5 | 42.1 | 2.9 | 96 |
| 3 | 40.3 | 3.0 | 48 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC COD

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 20 | 40.1 | 2.1 | 76 |
| 121 | 39.7 | 1.5 | 42 |
| 42 | 34.7 | 2.6 | 85 |
| 75 | 33.3 | 2.8 | 56 |
| 135 | 30.8 | 3.3 | 105 |
| 13 | 30.4 | 2.3 | 82 |
| 34 | 30.3 | 2.5 | 117 |
| 2 | 30.0 | 2.4 | 49 |
| 35 | 28.6 | 5.1 | 42 |
| 66 | 27.4 | 2.4 | 93 |
| 130 | 27.4 | 2.7 | 26 |
| 69 | 26.5 | 2.0 | 45 |
| 99 | 25.7 | 2.0 | 152 |
| 94 | 24.1 | 1.2 | 68 |
| 58 | 23.8 | 1.2 | 54 |
| 98 | 21.9 | 2.2 | 163 |
| 106 | 21.6 | 2.9 | 151 |
| 138 | 21.4 | 2.4 | 83 |
| 14 | 21.4 | 1.6 | 62 |
| 53 | 19.4 | 1.9 | 82 |
| 143 | 19.3 | 2.0 | 81 |
| 40 | 18.2 | 1.1 | 40 |
| 80 | 15.8 | 2.3 | 119 |
| 85 | 15.6 | 2.7 | 143 |
| 115 | 15.4 | 4.1 | 83 |
| 81 | 15.3 | 2.2 | 142 |
| 4 | 15.0 | 1.3 | 47 |
| 82 | 14.8 | 4.3 | 138 |
| 137 | 8.2 | 2.6 | 119 |
| 104 | 7.7 | 1.1 | 56 |
| 92 | 7.6 | 2.0 | 159 |
| 97 | 7.4 | 1.6 | 87 |
| 122 | 7.3 | 2.6 | 119 |
| 23 | 6.6 | 0.4 | 42 |
| 123 | 5.9 | 2.4 | 120 |
| 33 | 5.3 | 2.6 | 135 |
| 74 | 5.3 | 1.8 | 57 |
| 84 | 5.3 | 2.7 | 122 |
| 71 | 5.1 | 2.3 | 50 |
| 139 | 4.6 | 1.4 | 43 |
| 136 | 4.5 | 5.4 | 125 |
| 102 | 4.2 | 2.7 | 88 |
| 108 | 4.1 | 1.4 | 98 |
| 88 | 3.8 | 2.7 | 167 |
| 107 | 3.7 | 0.5 | 45 |
| 83 | 3.7 | 2.3 | 132 |
| 79 | 3.6 | 1.8 | 131 |
| 112 | 3.5 | 4.3 | 98 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC COD

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 126 | 2.6 | 3.2 | 60 |
| 90 | 2.1 | 1.8 | 170 |
| 28 | 1.9 | 0.5 | 27 |
| 95 | 1.8 | 1.8 | 94 |
| 110 | 1.8 | 2.0 | 120 |
| 116 | 1.7 | 2.3 | 60 |
| 117 | 1.6 | 2.3 | 63 |
| 70 | 1.5 | 1.1 | 34 |
| 114 | 1.2 | 1.4 | 74 |
| 41 | 0.9 | 0.5 | 41 |
| 96 | 0.8 | 1.1 | 107 |
| 68 | 0.5 | 0.7 | 43 |
| 11 | 0.5 | 0.5 | 41 |
| 125 | 0.1 | 0.1 | 36 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES WALLEYE POLLOCK

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 77 | 12305.4 | 0.5 | 45 |
| 74 | 5077.4 | 0.3 | 57 |
| 75 | 3997.3 | 0.5 | 56 |
| 71 | 3671.9 | 0.6 | 50 |
| 37 | 2853.9 | 0.6 | 47 |
| 72 | 1635.3 | 0.6 | 54 |
| 76 | 1368.9 | 0.5 | 58 |
| 36 | 946.0 | 0.9 | 45 |
| 47 | 576.1 | 0.8 | 81 |
| 50 | 417.9 | 1.1 | 81 |
| 52 | 398.6 | 1.2 | 82 |
| 14 | 325.2 | 0.4 | 62 |
| 44 | 308.9 | 1.1 | 71 |
| 48 | 294.4 | 0.9 | 82 |
| 49 | 291.3 | 1.0 | 79 |
| 55 | 272.5 | 1.1 | 83 |
| 43 | 265.6 | 0.9 | 69 |
| 135 | 214.4 | 0.3 | 105 |
| 3 | 212.9 | 0.9 | 48 |
| 51 | 168.7 | 1.2 | 83 |
| 46 | 155.7 | 1.2 | 85 |
| 38 | 154.8 | 1.2 | 47 |
| 53 | 144.0 | 0.0 | 82 |
| 9 | 126.3 | 0.3 | 61 |
| 54 | 117.6 | 1.1 | 82 |
| 83 | 107.0 | 1.1 | 132 |
| 84 | 87.1 | 1.1 | 122 |
| 145 | 82.9 | 0.8 | 141 |
| 123 | 80.7 | 0.5 | 120 |
| 137 | 74.8 | 0.3 | 119 |
| 39 | 70.3 | 0.7 | 45 |
| 92 | 63.8 | 1.1 | 159 |
| 42 | 59.8 | 1.3 | 85 |
| 131 | 59.2 | 0.1 | 59 |
| 136 | 54.2 | 0.3 | 125 |
| 130 | 47.6 | 0.6 | 26 |
| 129 | 45.1 | 0.3 | 28 |
| 85 | 44.6 | 1.1 | 143 |
| 90 | 44.5 | 0.8 | 170 |
| 80 | 43.5 | 1.0 | 119 |
| 88 | 40.7 | 1.0 | 167 |
| 122 | 40.1 | 0.5 | 119 |
| 140 | 40.1 | 1.4 | 109 |
| 17 | 36.3 | 0.8 | 80 |
| 102 | 35.8 | 0.1 | 88 |
| 138 | 35.4 | 0.4 | 83 |
| 78 | 34.5 | 1.1 | 140 |
| 91 | 33.5 | 1.1 | 175 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES WALLEYE POLLOCK

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 89 | 32.7 | 1.3 | 175 |
| 95 | 32.3 | 0.7 | 94 |
| 13 | 31.5 | 1.0 | 82 |
| 33 | 31.1 | 0.7 | 135 |
| 126 | 29.5 | 0.4 | 60 |
| 142 | 26.8 | 0.9 | 189 |
| 118 | 24.7 | 0.3 | 54 |
| 79 | 23.4 | 1.1 | 131 |
| 96 | 22.5 | 0.2 | 107 |
| 87 | 22.2 | 1.1 | 163 |
| 98 | 20.3 | 0.9 | 163 |
| 134 | 18.2 | 0.4 | 69 |
| 73 | 17.7 | 0.2 | 50 |
| 66 | 16.8 | 0.3 | 93 |
| 24 | 15.1 | 0.9 | 111 |
| 97 | 15.0 | 0.8 | 87 |
| 127 | 13.5 | 0.5 | 60 |
| 99 | 13.3 | 1.0 | 152 |
| 109 | 11.4 | 0.5 | 64 |
| 2 | 11.2 | 0.5 | 49 |
| 82 | 9.7 | 0.9 | 138 |
| 81 | 8.9 | 1.2 | 142 |
| 124 | 7.3 | 0.4 | 83 |
| 100 | 6.9 | 0.2 | 72 |
| 106 | 6.4 | 0.8 | 151 |
| 120 | 6.3 | 0.2 | 53 |
| 110 | 5.9 | 0.4 | 120 |
| 133 | 5.8 | 0.2 | 51 |
| 15 | 5.7 | 0.7 | 71 |
| 34 | 5.5 | 0.7 | 117 |
| 116 | 3.8 | 0.4 | 60 |
| 112 | 3.7 | 0.5 | 98 |
| 117 | 3.6 | 0.4 | 63 |
| 111 | 2.9 | 0.7 | 67 |
| 61 | 2.7 | 0.8 | 52 |
| 57 | 2.2 | 0.7 | 55 |
| 1 | 1.8 | 0.0 | 43 |
| 5 | 1.8 | 0.9 | 96 |
| 114 | 1.6 | 0.3 | 74 |
| 139 | 1.5 | 0.5 | 43 |
| 35 | 1.5 | 0.7 | 42 |
| 141 | 1.5 | 0.6 | 143 |
| 144 | 1.4 | 0.5 | 86 |
| 27 | 1.4 | 0.2 | 100 |
| 113 | 1.4 | 0.3 | 80 |
| 26 | 1.2 | 1.4 | 79 |
| 58 | 1.2 | 0.9 | 54 |
| 4 | 1.2 | 0.1 | 47 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES WALLEYE POLLOCK

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 22 | 1.2 | 1.4 | 41 |
| 115 | 0.9 | 0.1 | 83 |
| 25 | 0.8 | 0.3 | 80 |
| 23 | 0.2 | 0.0 | 42 |
| 30 | 0.2 | 0.0 | 60 |
| 67 | 0.2 | 0.1 | 45 |
| 40 | 0.1 | 0.0 | 40 |
| 16 | 0.1 | 0.1 | 44 |
| 103 | 0.1 | 0.1 | 73 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES SHORTSPINE THORNYHEAD

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 141 | 122.9 | 0.4 | 143 |
| 145 | 83.1 | 0.2 | 141 |
| 142 | 72.2 | 0.4 | 189 |
| 91 | 63.0 | 0.3 | 175 |
| 89 | 53.7 | 0.3 | 175 |
| 88 | 47.0 | 0.3 | 167 |
| 79 | 41.5 | 0.3 | 131 |
| 81 | 39.4 | 0.3 | 142 |
| 87 | 37.5 | 0.3 | 163 |
| 90 | 37.0 | 0.2 | 170 |
| 78 | 34.5 | 0.3 | 140 |
| 85 | 34.2 | 0.3 | 143 |
| 82 | 32.3 | 0.3 | 138 |
| 83 | 28.6 | 0.3 | 132 |
| 92 | 26.3 | 0.3 | 159 |
| 86 | 22.5 | 0.3 | 187 |
| 80 | 10.3 | 0.5 | 119 |
| 84 | 8.3 | 0.4 | 122 |
| 112 | 7.9 | 0.4 | 98 |
| 98 | 7.3 | 0.6 | 163 |
| 110 | 5.5 | 0.2 | 120 |
| 122 | 3.4 | 0.7 | 119 |
| 137 | 1.4 | 0.9 | 119 |
| 99 | 1.3 | 0.7 | 152 |
| 140 | 0.5 | 0.2 | 109 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ROUGHEYE ROCKFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 141 | 145.7 | 0.8 | 143 |
| 142 | 80.9 | 1.2 | 189 |
| 145 | 80.6 | 0.7 | 141 |
| 66 | 48.3 | 1.2 | 93 |
| 89 | 38.9 | 1.9 | 175 |
| 92 | 38.1 | 2.3 | 159 |
| 88 | 36.3 | 1.6 | 167 |
| 87 | 30.4 | 1.2 | 163 |
| 135 | 25.5 | 0.3 | 105 |
| 106 | 22.5 | 0.6 | 151 |
| 97 | 20.1 | 0.3 | 87 |
| 96 | 16.0 | 0.6 | 107 |
| 91 | 14.4 | 1.6 | 175 |
| 90 | 13.4 | 1.4 | 170 |
| 111 | 11.7 | 0.3 | 67 |
| 98 | 10.6 | 0.5 | 163 |
| 99 | 9.7 | 0.5 | 152 |
| 108 | 9.0 | 0.6 | 98 |
| 95 | 8.5 | 0.6 | 94 |
| 86 | 7.7 | 2.0 | 187 |
| 140 | 7.0 | 0.6 | 109 |
| 42 | 6.9 | 0.9 | 85 |
| 136 | 6.3 | 0.3 | 125 |
| 52 | 4.7 | 0.6 | 82 |
| 26 | 4.4 | 0.4 | 79 |
| 144 | 3.8 | 0.3 | 86 |
| 25 | 3.7 | 0.5 | 80 |
| 110 | 3.2 | 0.5 | 120 |
| 100 | 3.1 | 0.3 | 72 |
| 124 | 2.9 | 0.3 | 83 |
| 54 | 2.7 | 1.4 | 82 |
| 109 | 2.7 | 0.4 | 64 |
| 137 | 2.3 | 0.3 | 119 |
| 127 | 2.2 | 0.2 | 60 |
| 134 | 2.0 | 0.2 | 69 |
| 75 | 2.0 | 0.7 | 56 |
| 55 | 1.7 | 0.3 | 83 |
| 123 | 1.7 | 0.4 | 120 |
| 24 | 1.5 | 1.4 | 111 |
| 53 | 1.5 | 0.7 | 82 |
| 122 | 1.3 | 0.7 | 119 |
| 34 | 1.3 | 1.1 | 117 |
| 47 | 1.2 | 0.7 | 81 |
| 112 | 1.1 | 0.3 | 98 |
| 131 | 1.0 | 0.2 | 59 |
| 46 | 0.9 | 0.3 | 85 |
| 13 | 0.8 | 0.2 | 82 |
| 83 | 0.7 | 0.9 | 132 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES ROUGHEYE ROCKFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 80 | 0.4 | 0.2 | 119 |
| 102 | 0.3 | 0.2 | 88 |
| 113 | 0.3 | 0.1 | 80 |
| 6 | 0.2 | 0.1 | 56 |
| 17 | 0.1 | 0.1 | 80 |
| 126 | 0.1 | 0.1 | 60 |
| 133 | 0.1 | 0.1 | 51 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC OCEAN PERCH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 18 | 1128.3 | 0.3 | 72 |
| 141 | 228.3 | 0.6 | 143 |
| 82 | 160.5 | 0.7 | 138 |
| 78 | 124.0 | 0.7 | 140 |
| 81 | 114.3 | 0.7 | 142 |
| 85 | 85.8 | 0.6 | 143 |
| 79 | 74.8 | 0.7 | 131 |
| 145 | 69.7 | 0.6 | 141 |
| 87 | 64.4 | 0.6 | 163 |
| 83 | 57.2 | 0.7 | 132 |
| 89 | 54.3 | 0.7 | 175 |
| 92 | 52.7 | 0.7 | 159 |
| 88 | 52.0 | 0.7 | 167 |
| 140 | 50.2 | 0.5 | 109 |
| 6 | 37.1 | 0.2 | 56 |
| 90 | 27.9 | 0.7 | 170 |
| 113 | 24.7 | 0.4 | 80 |
| 91 | 20.2 | 0.5 | 175 |
| 34 | 19.8 | 1.0 | 117 |
| 20 | 14.7 | 0.2 | 76 |
| 80 | 13.4 | 0.9 | 119 |
| 102 | 11.8 | 0.5 | 88 |
| 84 | 10.9 | 0.7 | 122 |
| 99 | 10.7 | 0.8 | 152 |
| 19 | 10.2 | 0.6 | 89 |
| 86 | 10.1 | 0.6 | 187 |
| 8 | 8.9 | 0.0 | 40 |
| 105 | 8.4 | 0.2 | 49 |
| 27 | 7.0 | 0.3 | 100 |
| 112 | 5.0 | 0.7 | 98 |
| 62 | 4.4 | 0.2 | 54 |
| 65 | 4.1 | 0.1 | 54 |
| 7 | 3.8 | 0.0 | 41 |
| 64 | 3.4 | 0.2 | 52 |
| 58 | 3.0 | 0.1 | 54 |
| 103 | 2.5 | 0.2 | 73 |
| 39 | 1.4 | 0.3 | 45 |
| 60 | 1.3 | 0.3 | 52 |
| 61 | 1.1 | 0.1 | 52 |
| 101 | 1.0 | 0.2 | 80 |
| 21 | 0.8 | 0.3 | 79 |
| 106 | 0.8 | 0.1 | 151 |
| 143 | 0.7 | 0.1 | 81 |
| 104 | 0.7 | 0.2 | 56 |
| 16 | 0.7 | 0.0 | 44 |
| 63 | 0.6 | 0.1 | 56 |
| 144 | 0.5 | 0.1 | 86 |
| 108 | 0.2 | 0.1 | 98 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES PACIFIC OCEAN PERCH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 17 | 0.2 | 0.1 | 80 |
| 9 | 0.2 | 0.0 | 61 |
| 59 | 0.2 | 0.1 | 53 |
| 24 | 0.1 | 0.1 | 111 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES DUSKY ROCKFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 115 | 265.8 | 1.2 | 83 |
| 18 | 160.9 | 1.1 | 72 |
| 143 | 51.2 | 1.3 | 81 |
| 58 | 47.0 | 0.8 | 54 |
| 20 | 24.2 | 1.2 | 76 |
| 41 | 16.8 | 0.7 | 41 |
| 104 | 5.8 | 1.1 | 56 |
| 65 | 4.1 | 0.9 | 54 |
| 59 | 3.9 | 0.8 | 53 |
| 113 | 3.7 | 0.9 | 80 |
| 102 | 3.1 | 1.4 | 88 |
| 79 | 2.7 | 1.4 | 131 |
| 6 | 2.6 | 0.8 | 56 |
| 140 | 2.4 | 1.0 | 109 |
| 87 | 2.3 | 0.9 | 163 |
| 19 | 2.2 | 1.4 | 89 |
| 27 | 1.9 | 0.7 | 100 |
| 39 | 1.7 | 0.7 | 45 |
| 90 | 1.6 | 1.4 | 170 |
| 100 | 1.5 | 1.8 | 72 |
| 99 | 1.3 | 1.4 | 152 |
| 82 | 1.2 | 1.4 | 138 |
| 112 | 1.1 | 1.4 | 98 |
| 34 | 1.0 | 0.9 | 117 |
| 62 | 1.0 | 0.7 | 54 |
| 42 | 0.7 | 0.5 | 85 |
| 83 | 0.5 | 0.3 | 132 |
| 40 | 0.5 | 0.5 | 40 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES NORTHERN ROCKFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 18 | 968.6 | 0.7 | 72 |
| 58 | 460.4 | 0.5 | 54 |
| 6 | 245.1 | 0.7 | 56 |
| 20 | 186.1 | 0.7 | 76 |
| 65 | 42.9 | 0.6 | 54 |
| 104 | 32.2 | 0.6 | 56 |
| 59 | 24.2 | 0.5 | 53 |
| 60 | 24.1 | 0.6 | 52 |
| 62 | 18.4 | 0.5 | 54 |
| 41 | 17.6 | 0.2 | 41 |
| 64 | 14.3 | 0.5 | 52 |
| 61 | 13.9 | 0.6 | 52 |
| 105 | 10.5 | 0.4 | 49 |
| 63 | 9.0 | 0.7 | 56 |
| 39 | 7.8 | 0.1 | 45 |
| 83 | 7.3 | 0.9 | 132 |
| 21 | 5.5 | 0.7 | 79 |
| 78 | 5.3 | 0.7 | 140 |
| 19 | 5.1 | 0.6 | 89 |
| 57 | 4.3 | 0.3 | 55 |
| 103 | 4.3 | 0.7 | 73 |
| 100 | 4.0 | 0.8 | 72 |
| 27 | 3.4 | 0.6 | 100 |
| 82 | 3.1 | 0.9 | 138 |
| 23 | 2.3 | 0.4 | 42 |
| 24 | 2.3 | 0.3 | 111 |
| 40 | 2.0 | 0.2 | 40 |
| 7 | 1.9 | 0.5 | 41 |
| 88 | 1.9 | 0.7 | 167 |
| 79 | 1.8 | 0.9 | 131 |
| 16 | 1.4 | 0.2 | 44 |
| 42 | 1.3 | 0.3 | 85 |
| 89 | 1.2 | 0.5 | 175 |
| 22 | 1.2 | 0.1 | 41 |
| 37 | 0.7 | 0.1 | 47 |
| 101 | 0.7 | 0.5 | 80 |
| 84 | 0.7 | 0.7 | 122 |
| 80 | 0.6 | 0.2 | 119 |
| 87 | 0.6 | 0.5 | 163 |
| 35 | 0.5 | 0.5 | 42 |
| 34 | 0.5 | 0.2 | 117 |
| 113 | 0.4 | 0.5 | 80 |
| 106 | 0.2 | 0.3 | 151 |
| 46 | 0.2 | 0.1 | 85 |
| 5 | 0.1 | 0.1 | 96 |
| 4 | 0.1 | 0.1 | 47 |
| 111 | 0.1 | 0.1 | 67 |

KG PER NAUTICAL MILE FOR ALL
SURVEY TOWS- BASED ON 15 M NET WIDTH

SPECIES HARLEQUIN ROCKFISH

| HAUL | CATCH KG/1.0 NM | AV WGT (KG) | GEAR DEPTH (FM) |
|---|---|---|---|
| 18 | 611.0 | 0.5 | 72 |
| 115 | 123.3 | 0.4 | 83 |
| 105 | 114.4 | 0.1 | 49 |
| 132 | 17.6 | 0.0 | 43 |
| 100 | 15.5 | 0.3 | 72 |
| 104 | 5.6 | 0.2 | 56 |
| 143 | 3.3 | 0.3 | 81 |
| 58 | 1.8 | 0.2 | 54 |
| 119 | 1.0 | 0.0 | 45 |
| 41 | 0.9 | 0.1 | 41 |
| 101 | 0.7 | 0.2 | 80 |
| 65 | 0.3 | 0.1 | 54 |
| 59 | 0.2 | 0.1 | 53 |
| 99 | 0.2 | 0.2 | 152 |
| 62 | 0.1 | 0.1 | 54 |

# APPENDIX

## Trawl specifications and diagrams

Table A.--Specifications[a] of the roller gear, otter door and accessory gear used by the U.S. chartered trawlers Lets Go and Nore-Dick during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

| Equipment | Specifications |
|---|---|
| Netting - | Polyethylene, 12.7 cm (5 inch), 4 & 5 mm twine. |
| Headrope - | 27.2 m (89'-1"), 1.3 cm (1/2") 6 x 19 galvanized wire rope, wrapped with 1 cm (3/8") 3-strand polypropylene rope. |
| Footrope - | 24.9 m (81'-7"), 1 cm (3/8") 6 x 19 galvanized wire rope wrapped with polypropylene rope. |
| Fishing line - | 24.3 m (79'-7"), shot peened long link chain. Safe working load 5.1 metric ton (t). |
| Roller gear - | 24.2 m (79'-6") long, 1.9 cm (3/4") diameter, 6 x 19 galvanized wire rope strung through 10.2 cm (4") diameter rubber disks, 16 rubber wing bobbins 35.6 cm (14") in diameter and 34 galvanized rings hung with 30.5 cm (12") long dropper chain. |
| Breastlines - | 1 cm (3/8") 6 x 19 galvanized wire rope wrapped with 1 cm polypropylene. Top corner 5.9 m (19'-6"); bottom corner 2.6 m (8'-8"); top side panel 5.9 m; bottom side panel 9.3 m (30'-6"). |
| Riblines - | 1.9 cm (3/4") Sampson[a] 2 & 1 Duralon[a]. Top two 34.8 m (114.17') and bottom two 31.8 m (104.45'), hung 98% of stretched seam length. |
| Floatation - | Cycolac[a] trawl floats, 30.5 cm (12") diameter, 21 pieces. Buoyancy 10.2 kg (22.4 lbs.) each and rated for 800 m (400 fm) depth. |

[a]Reference to trade names or commercial firms does not imply endorsement by the National Marine Fisheries Service, NOAA.

Table A --continued

| Equipment | Specifications |
|---|---|
| Codend liner - | Nylon, no. 18, 3.8 cm (1-1/2") stretched mesh, 315 meshes circumference and 200 meshes deep, laced to inner bag. When stretched the liner protrudes 61-91 cm (2 to 3') beyond codend. |
| Restrictors - | Polypropylene rope, 2.5 cm (1") diameter, 4.3 m (14') circumference and secured loosely to codend at each ribline, 1.2 m (4') apart, 5 pieces. |
| Splitting gear - | 1.3 cm (1/2") diameter 6.4 m (21') long galvanized wire rope is passed through 4 galvanized steel rings which are secured to the codend with 1.3 cm diameter braided nylon "spiders". |
| Side seams - | Panels are joined to each other gathering 3 meshes (4 knots) from each panel. Panels which are secured to framing lines have a selvaged edge created by gathering 3 meshes. |
| Rigging - | 3 dandylines each side, 1.6 cm (5/8") diameter galvanized wire rope, 54.9 m (30 fm) long. |
| Doors - | 1.8 m x 2.7 m (6 x 9'), steel V-doors, approximately 0.7 t (1500 pounds) each. |
| Chafing gear- | Polypropylene 10" meshes, 1 cm (3/8") polyrope hog-ringed (or interwoven) together, 46 meshes circumference and 21 1/2 meshes deep, laced to outer bag 68.5 meshes up from the pucker rings. |

POLY–NOREASTERN

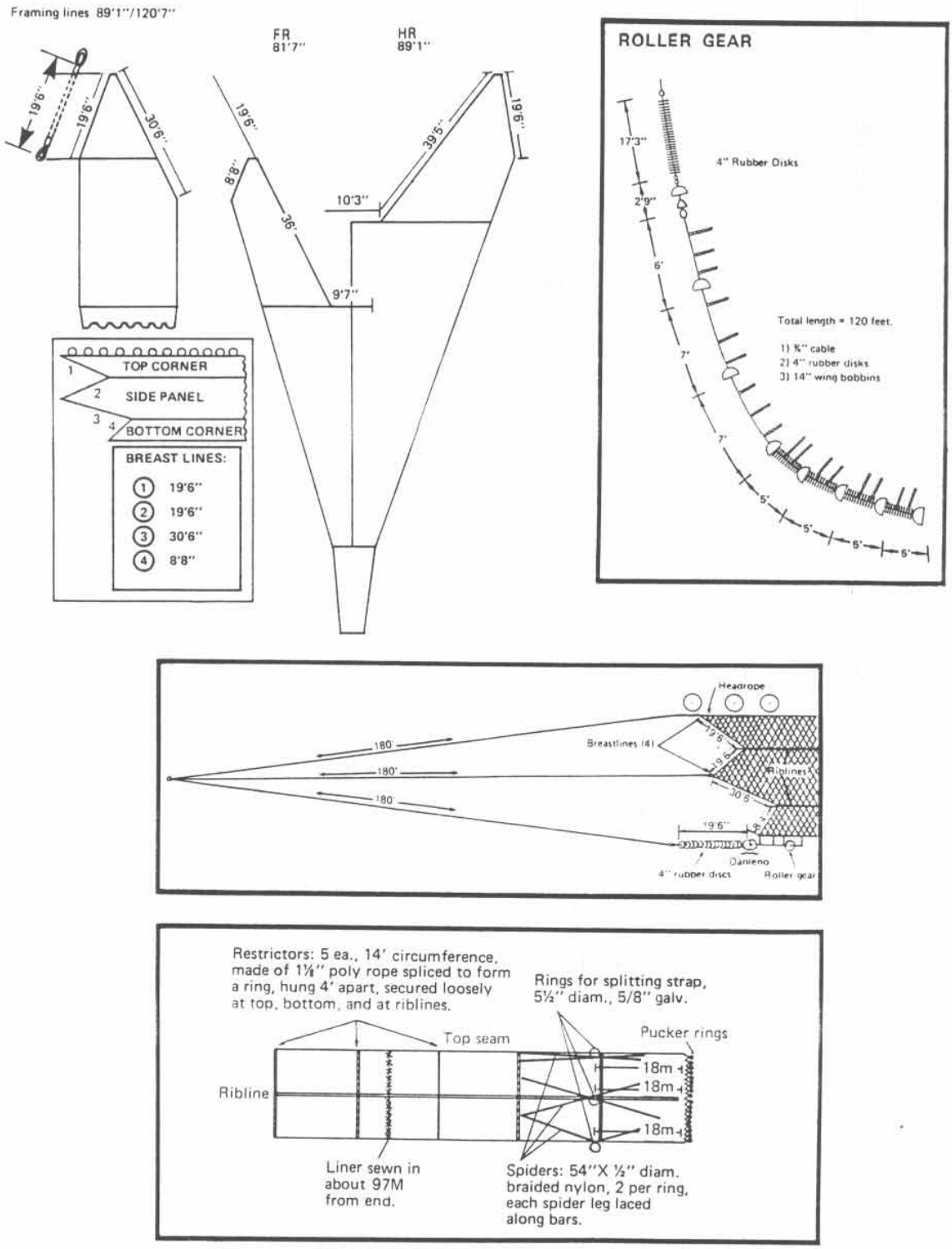


Figure A1.--Schematic diagram of the bottom trawl, roller gear and accessory gear used by the U.S. chartered trawlers Lets Go and Nore-Dick during the 1987 U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

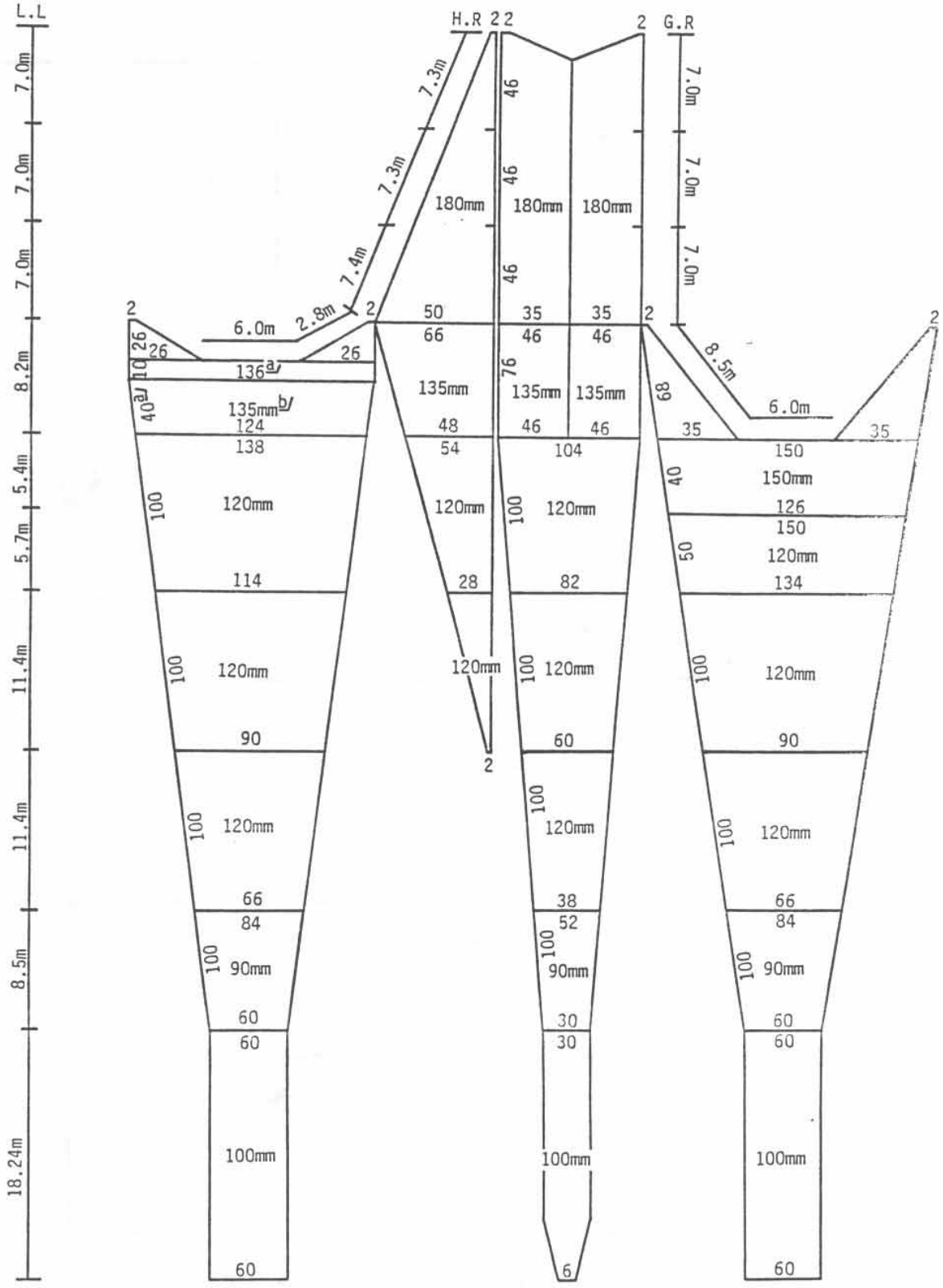


Figure A2.--Schematic diagram of the bottom trawl used by the Japanese chartered trawler Taisei Maru No. 35 during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.

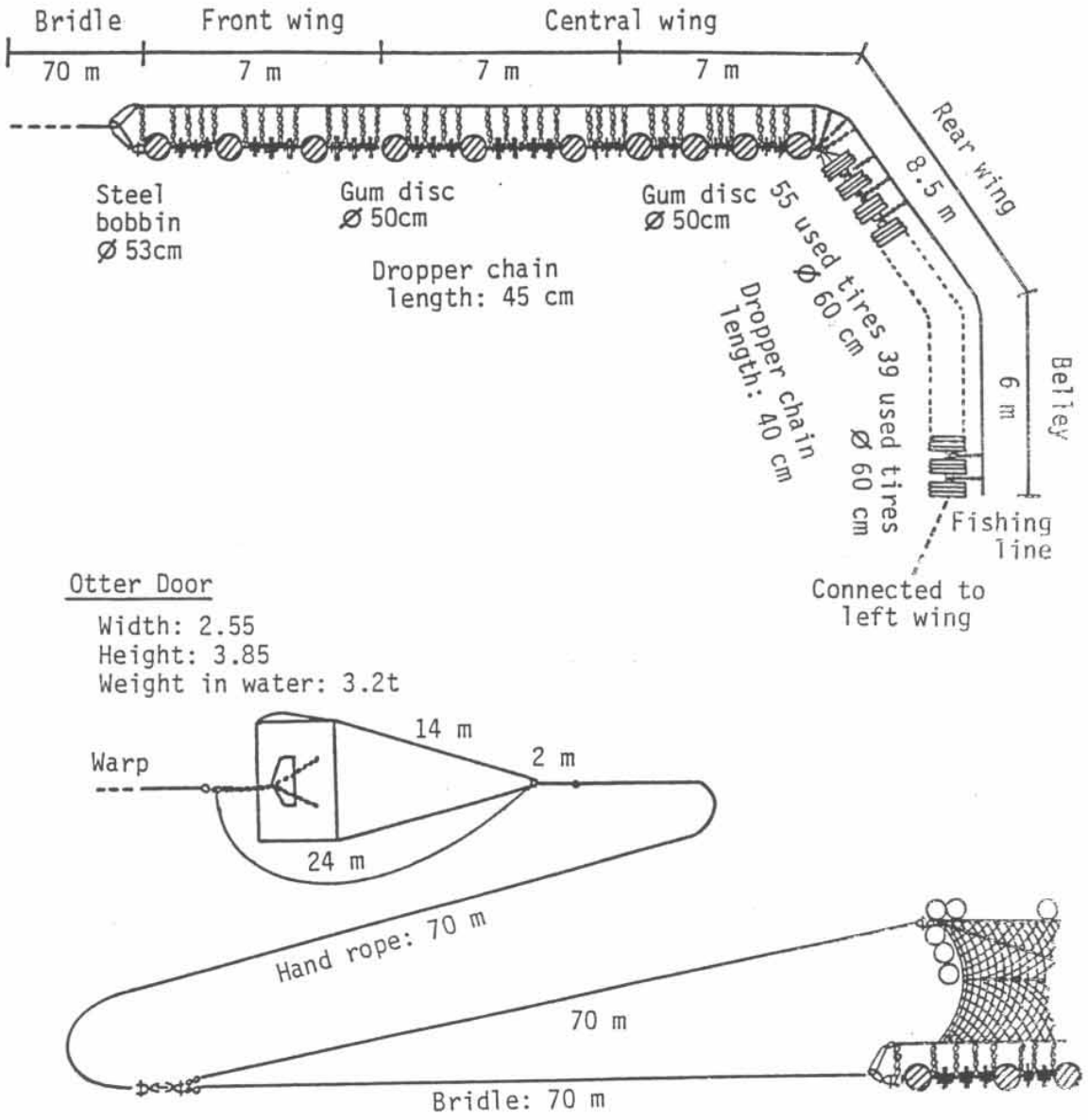


Figure A3.--Schematic diagram of the roller gear, otter door and accessory gear used by the Japanese chartered trawler Taisei Maru No. 35 during the 1987 triennial U.S.-Japan cooperative bottom trawl survey of the central and western Gulf of Alaska.