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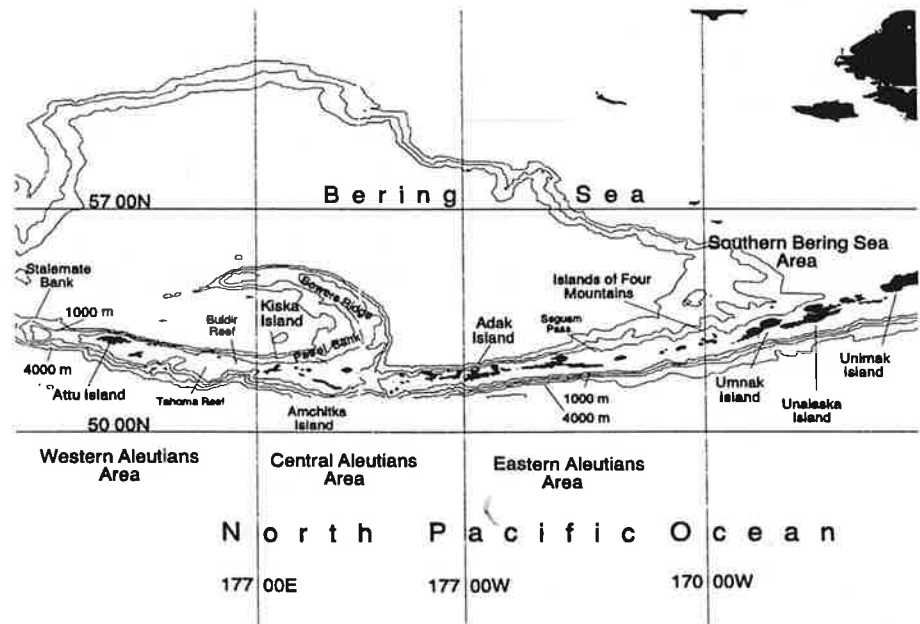
National Marine
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U.S. DEPARTMENT OF COMMERCE

AFSC PROCESSED REPORT 98-06

Report to Industry: Fishing Log for the 1997 Bottom Trawl Survey of the Aleutian Islands

September 1998



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REPORT TO INDUSTRY: FISHING LOG FOR THE 1997
BOTTOM TRAWL SURVEY OF THE ALEUTIAN ISLANDS

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September 1998

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INTRODUCTION

The sixth triennial bottom trawl survey of the Aleutian Islands and southern Bering Sea region was completed during the summer of 1997 by the Resource Assessment and Conservation Engineering (RACE) Division of the Alaska Fisheries Science Center (AFSC), National Marine Fisheries Service (NMFS), Seattle, WA. The triennial groundfish surveys are designed to describe and monitor the distribution, abundance, and biological condition of the important groundfish stocks in the Aleutian Islands area. Previous surveys in this series were conducted in 1980, 1983, 1986, 1991 and 1994. The purpose of this report is to provide pertinent catch information collected by the survey vessels to the fishing industry.

Historically, the Aleutian Islands have been important fishing grounds for a variety of groundfish species including Pacific ocean perch (*Sebastes alutus*), Atka mackerel (*Pleurogrammus monopterygius*), northern rockfish (*Sebastes polyspinis*), walleye pollock (*Theragra chalcogramma*), Pacific cod (*Gadus macrocephalus*), Pacific halibut (*Hippoglossus stenolepis*), sablefish (*Anoplopoma fimbria*), rockfishes (*Sebastes* spp.) and several invertebrate groups including crabs and squid.

The Aleutian archipelago consists of 47 major islands extending westward in a 1,500 km arc from the Alaska Peninsula to Attu Island. Prominent banks and reefs are located among the westernmost islands including Petrel Bank extending north from the middle of the chain at approximately 180°W long., Buldir Reef and adjacent Tahoma Reef (176°E long.), and Stalemate Bank, west of Attu Island (170°E long.). Sea floor bathymetry of the Aleutian region reflects a volcanic origin characterized by irregular bottom, narrow continental shelf and steep continental slope. The Aleutian Trench lying approximately 120 km south of the chain, with 4-7 thousand m depths defines the southern limit of the continental shelf and slope. The northern continental shelf and slope varies in width from 30 to 75 km and are bounded by Bowers Basin in the west and the Aleutian Basin in the east, both approximately 5,500 m in depth.

METHODS

The survey was conducted in three 23-24 day legs aboard two chartered commercial trawlers, the F/V *Vesteraalen* and the F/V *Dominator* from 7 June to 15 August 1997. During the survey, the

F/V *Vesteraalen* completed 251 hauls and the F/V *Dominator* 246 hauls, an increase of 49 hauls over the 1994 survey. The survey area covered a portion of the southern Bering Sea, from Unimak Pass (165°W long) to the Islands of Four Mountains (170°W long.), and the Aleutian Islands from 170°W long. to Stalemate Bank, 170°E long. (Fig. 1).

Vessels and Gear Characteristics

Both vessels are house-forward trawlers equipped with stern ramps, two hydraulic net reels (one mounted over the stern ramp and one forward on the main deck), an articulating hydraulic crane used for handling catches and gear, propeller nozzles and paired controlled-tension hydraulic trawl winches with 1,280-1,460 m of 2.54 cm diameter steel cable. Both vessels are 38 m in overall length and powered by a single main engine with a continuous horsepower rating of 1,700 for the *Vesteraalen* and 2,000 for the *Dominator*. Navigation for both vessels employs global positioning systems (GPS) integrated with radar, computerized mapping and steering controls. Other electronics essential to the survey includes color video fish finders, paper recording bottom profilers and trawl warp measuring systems.

Both vessels used standard RACE Division poly-Nor'eastern high-opening bottom trawls rigged with roller gear (Appendix). The headrope consists of a 27.2 m long, 1.3 cm diameter 6 X 19 gauge galvanized wire rope, wrapped with 1 cm 3-strand polypropylene rope, strung with 21, 30 cm diameter floats. The "fishing line" is composed of longlink alloy chain 24.7 m long and 1.3 cm in diameter. The footrope is 24.9 m, 1 cm diameter 6 X 19 gauge galvanized wire rope wrapped with polypropylene rope. The roller gear is 24.2 m long and utilizes 1.9 cm diameter, 6 X 19 gauge galvanized wire rope strung through 10.2 cm diameter rubber disks separating 16 35.6 cm diameter rubber wing bobbins. Each lower wing is replaced with extensions ("flying wings"), wire rope 5.9 m long and 1.91 cm in diameter, threaded through 20 cm and 10 cm rubber disks. Trawls are constructed of 4 and 5 mm polyethylene twines stretched to yield a 12.7 cm (5 in) diameter mesh. The codend is 105 open meshes in circumference and 100 meshes deep. Codend meshes are of double bar construction stretched to 8.9 cm in diameter and use 4 mm twine. The codend liner is 315 meshes in circumference and 200 meshes deep and meshes are stretched to a diameter of 3.2 cm and use number 18 nylon twine. Net accessory gear includes 54.9 m long, 1.6 cm diameter galvanized triple dandyines rigged with chain extensions connected to the headrope (45.7 cm) and side panels (22.9 cm).

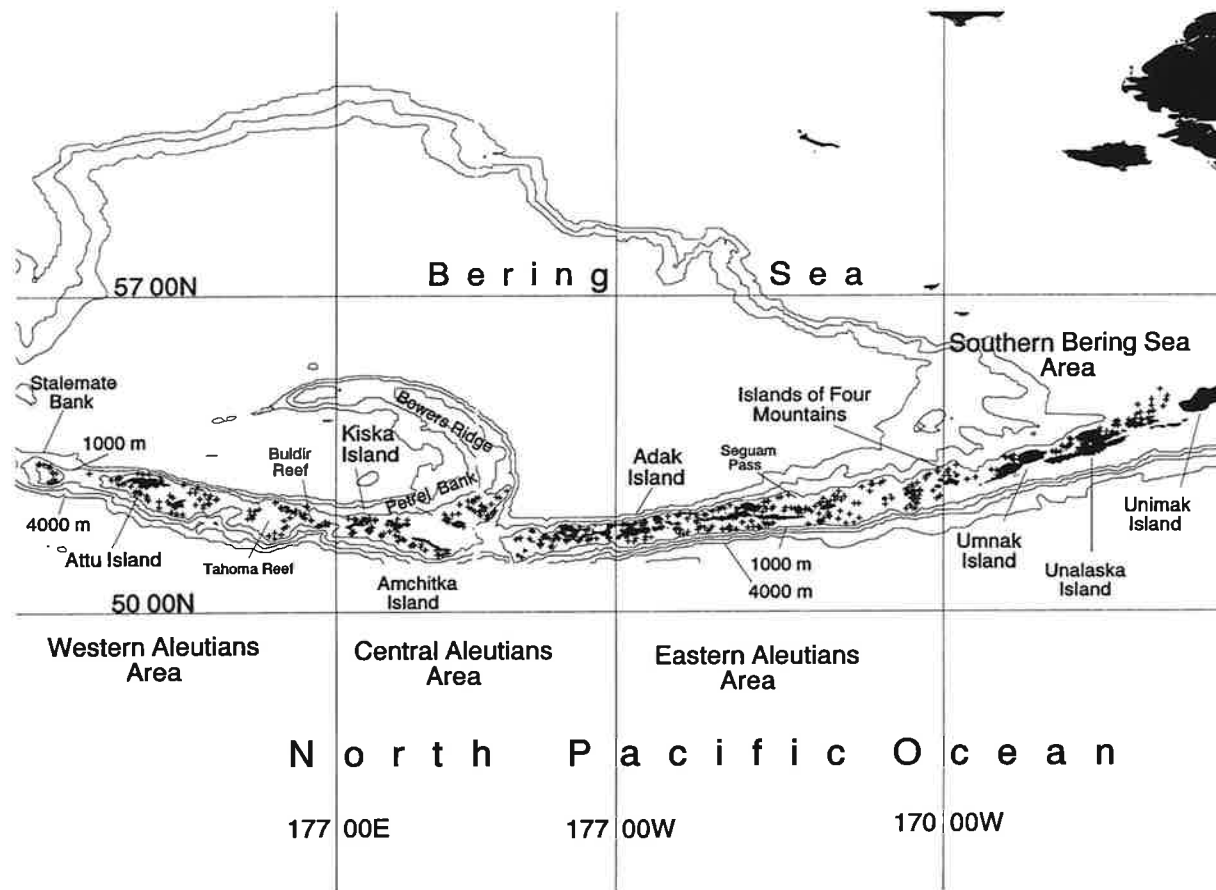


Figure 1.--Survey stations attempted during the NMFS triennial Aleutian Islands bottom trawl survey, 7 June to 15 August 1997.

Trawl doors were steel v-type and measured 1.8 m X 2.7 m and weighed approximately 800 kg each, for both vessels. A SCANMAR¹ net mensuration system consisting of a headrope unit and two wing units acoustically linked to each vessel's data recording system monitored the net's wingtip opening and the distance between the headrope and footrope during trawling at most stations attempted by each vessel. After the haul was completed, data from a bottom contact sensor developed by the RACE Division was used to determine the actual time on bottom for the trawl. The trawl opening tended to increase horizontally (and decrease vertically) with depth due to the increased amount of deployed trawl cable (trawl warp). The average net opening was 15.4 m wide and 7.1 m in height as indicated by the mensuration system. Survey trawling duration averaged 17 minutes, distance fished averaged 1.46 km and towing speed averaged 5.0 km (2.7 nautical miles) per hour over the bottom.

Survey Design and Operations

The stratified random survey design used by the RACE Division since 1983 was modified in 1994 to conform to a redefinition of management areas by the North Pacific Fishery Management Council. The 1997 survey area was divided into the Eastern (170°W-177°W long.), Central (177°E-177°W long.), and Western (170°E-177°E long.) Aleutian management areas and the Southern Bering Sea (165°W-170°W long.), Figure 1. The four areas were subdivided into 45 sampling strata according to geographical areas and the 100 m, 200 m, 300 m and 500 m depth intervals. Sampling was limited to depths of less than 500 m.

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's on bottom trawling duration was scheduled for one-quarter hour; however, in cases where there was not enough trawlable bottom for a full one-quarter hour tow, shorter tows were completed. Attempts were made to maintain constant bottom depths and towing speeds.

Catches weighing less than approximately 1,000 kg were completely sorted to species and weighed. Larger catches were split to obtain a representative sample of approximately 1,000 kg. Biological data collected included numbers of individuals, length and weight measurements, age structures,

¹Reference to trade names does not imply endorsement by the National Marine Fisheries Service, NOAA.

sexual maturities and special collections of stomach, tissue, whole fish and invertebrates.

Oceanographic data collected throughout the survey included water temperature and depth profiles using Richard Branker Research Ltd. MicroBt profilers attached to the net. Additional sea surface temperatures were taken at each station using calibrated bucket thermometers.

RESULTS

Sampling proceeded from east to west at previously selected stations at depths ranging from 22 to 474 m. Some strata were poorly sampled, due primarily to untrawlable seafloor features, or preemption by commercial crab pots. Successful trawls were completed at 404 of the 441 attempted preprogrammed stations and provided the information used to estimate species distribution and abundance. In addition, 47 special study stations were completed during the survey, 70% more than were conducted in 1994. And similar to 1994, minimal survey time was lost to bad weather and gear repair.

The dominant fish species were ranked by catch per unit effort (CPUE) in Table 1, expressed as kilograms of catch per square kilometer trawled (kg/km^2) in the three Aleutian and Southern Bering Sea management areas and over all three Aleutian areas combined. Atka mackerel was dominant from the Southern Bering Sea ($95,900 \text{ kg}/\text{km}^2$) to the Central Aleutian area ($57,900 \text{ kg}/\text{km}^2$) and averaged $37,200 \text{ kg}/\text{km}^2$ over all Aleutian Island areas. Pacific ocean perch catch rates decreased across the survey area from the Western Aleutian area ($48,500 \text{ kg}/\text{km}^2$) to the Southern Bering Sea area ($13,100 \text{ kg}/\text{km}^2$), as did most rockfish species. Conversely, flatfish were most prominent in the Southern Bering Sea area including Pacific halibut ($2,700 \text{ kg}/\text{km}^2$) and Greenland turbot (*Reinhardtius hippoglossoides*, $2,700 \text{ kg}/\text{km}^2$). Walleye pollock catch abundance was highest ($12,200 \text{ kg}/\text{km}^2$) in the Southern Bering Sea and the Central Aleutian area ($6,700 \text{ kg}/\text{km}^2$), predominantly on the Petrel Bank. The Central Aleutian area had the highest abundance of Pacific cod ($4,000 \text{ kg}/\text{km}^2$), Shortraker rockfish (*Sebastes borealis*, $5,700 \text{ kg}/\text{km}^2$), Kamchatka flounder (*Atheresthes evermanni*, $2,600 \text{ kg}/\text{km}^2$) and rougheye rockfish (*Sebastes aleutianus* $1,500 \text{ kg}/\text{km}^2$).

Sea surface temperatures were collected at most survey stations and ranged from 4.2°C to 9.9°C . Sea bottom temperatures sampled at 482 stations ranged from 3.2°C to 7.3°C .

The maximum surface and bottom water temperatures were 1°C higher than occurred during the 1994 survey.

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. The fishing results are presented in Section 1 for the *Vesteraalen* and Section 2 for the *Dominator*. Each section has two parts: 1) station charts with haul numbers plotted adjacent to their respective geographical locations, and 2) summary listings of species catches by haul. Section 3 is a combined summary listing catch rates in descending order of magnitude for selected species of commercial interest. Hauls without catches were omitted from the listings.

Explanations of the symbols and codes appearing in the fishing logs are summarized in Table 2. The Appendix contains specifications and diagrams of the fishing gear used during the survey (Fig. A).

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Table 1.-- Average catch per unit effort (CPUE) by area trawled for the 17 most abundant fish species captured by North Pacific Fisheries Management Council regulatory area, total Aleutian areas and Southern Bering Sea area during the NMFS 1997 triennial Aleutian Islands bottom trawl survey.

Western Area		Central Area		Eastern Area	
Species	CPUE (kg/km ²)	Species	CPUE (kg/km ²)	Species	CPUE (kg/km ²)
Pacific ocean perch	48,540	Atka mackerel	57,926	Atka mackerel	32,427
Atka mackerel	20,077	Pacific ocean perch	34,561	Pacific ocean perch	19,842
Northern rockfish	9,685	Giant grenadier	17,554	Giant grenadier	13,244
Whiteblotched skate	4,506	Northern rockfish	8,684	Greenland turbot	6,666
Walleye pollock	3,936	Walleye pollock	6,663	Pacific cod	2,817
Giant grenadier	3,113	Shortraker rockfish	5,659	Shortraker rockfish	2,632
Aleutian skate	2,218	Pacific cod	3,968	Walleye pollock	2,577
Pacific cod	2,216	Kamchatka flounder	2,602	Pacific halibut	1,760
Prowfish	1,930	Arrowtooth flounder	2,138	Arrowtooth flounder	1,437
Sablefish	1,891	Sablefish	1,960	Unidentified skate	1,347
Shortraker rockfish	1,800	Pacific halibut	1,481	Kamchatka flounder	979
Arrowtooth flounder	1,638	Northern rock sole	1,479	Whiteblotched skate	878
Pacific halibut	1,550	Rougheye rockfish	1,466	Aleutian skate	785
Shortspine thornyhead	1,283	Greenland turbot	1,421	Rougheye rockfish	763
Alaska skate	1,152	Whiteblotched skate	1,316	Alaska skate	754
Northern rock sole	893	Aleutian skate	849	Northern rock sole	673
Rougheye rockfish	868	Pacific sand lance	735	Light dusky rockfish	627
Total Aleutian Areas		Southern Bering Sea			
Species	CPUE (kg/km ²)	Species	CPUE (kg/km ²)		
Atka mackerel	37,180	Atka mackerel	95,869		
Pacific ocean perch	31,509	Pacific ocean perch	13,104		
Giant grenadier	13,028	Walleye pollock	12,173		
Northern rockfish	5,744	Pacific herring	5,678		
Walleye pollock	4,276	Arrowtooth flounder	3,728		
Shortraker rockfish	3,876	Shortraker rockfish	3,492		
Pacific cod	3,127	Longnose skate	3,315		
Greenland turbot	2,846	Greenland turbot	2,703		
Arrowtooth flounder	1,696	Pacific halibut	2,697		
Pacific halibut	1,636	Pacific cod	2,280		
Kamchatka flounder	1,479	Pacific sleeper shark	1,716		
Whiteblotched skate	1,422	Butter sole	1,559		
Prowfish	1,357	Flathead sole	1,475		
Unidentified skate	1,347	Southern rock sole	1,419		
Aleutian skate	1,319	Starry flounder	1,377		
Rougheye rockfish	1,075	Shortspine thornyhead	1,034		
Sablefish	1,054	Northern rock sole	905		

Table 2.--Definitions of labels used in the fishing logs of the NMFS
1997 triennial Aleutian Islands bottom trawl survey.

Gear Depth-	Meters
Duration of tow-	Hundredths of an hour (standard tow is one-quarter hour)
Distance fished-	Nautical miles
Gear performance-	<ul style="list-style-type: none"> 0 Good performance 1.11 Satisfactory, completed tow 1.12 Satisfactory, hauled back early due to hang(s) 1.2 Satisfactory, major hang, stopped forward progress of vessel 2.1 Satisfactory, wing damaged 2.4 Satisfactory, belly damaged 4.1 Satisfactory, caught large rock 4.4 Satisfactory, large fish catch affected performance 4.5 Satisfactory, large invertebrate catch affected net performance 5 Satisfactory, unspecified gear performance problem 5.1 Satisfactory, net came off bottom 6.21 Satisfactory, wire out less than recommended scope 6.22 Satisfactory performance, wire out greater than recommended scope 6.4 Trawling speed above operational parameters -1.12 Unsatisfactory, hauled back early due to hang(s) -1.2 Unsatisfactory, major hang, stopped forward progress of vessel -2.1 Unsatisfactory, wing damaged -2.3 Unsatisfactory, footrope damaged

Table 2.--(continued) Definitions of labels used in the fishing logs of the NMFS 1997 triennial Aleutian Islands bottom trawl survey.

Gear performance-	-2.4	Unsatisfactory, belly damaged
	-3.1	Unsatisfactory, caught pot, unspecified type
	-3.13	Unsatisfactory, caught Alaskan crab pot
	-5.1	Unsatisfactory, net came off bottom
	-5.7	Unsatisfactory, net unable to reach bottom due to strong currents
	-6.4	Trawling speed below operational parameters
Gear type-	172	= polyethylene Nor'eastern bottom trawl with roller gear
Catch units-		The listings of species catches by haul are in kilograms. A 0.0 kg weight indicates a catch of less than 0.1 kg.

Section 1

Fishing Log for the F/V *Vesteraalen*

- Station charts of haul numbers plotted adjacent to their respective geographical positions

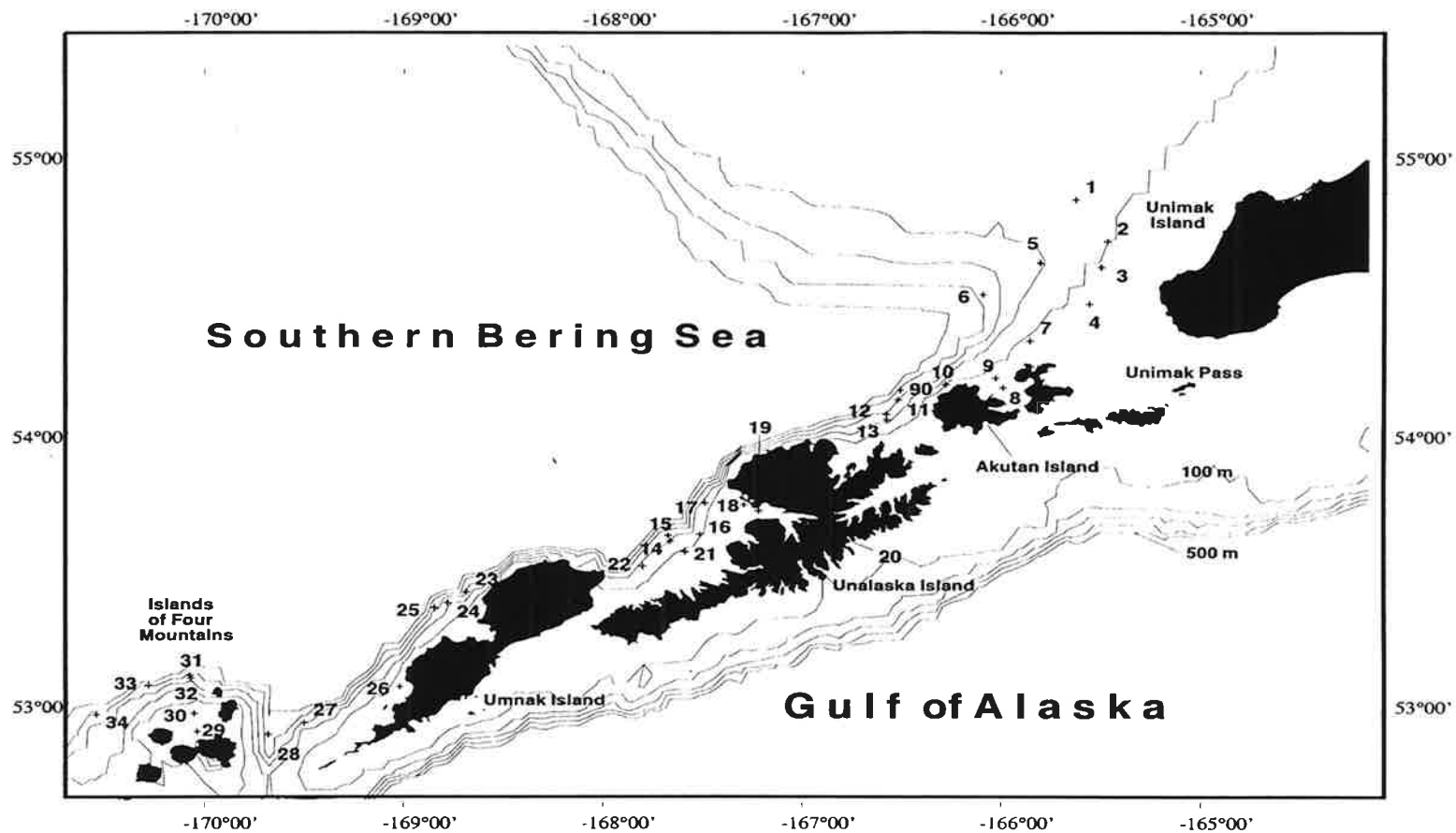


Figure 2.—Stations surveyed by the chartered trawler F/V *Vesteraalen* from Unimak Island to the Islands of Four Mountains hauls (1-31, 90).

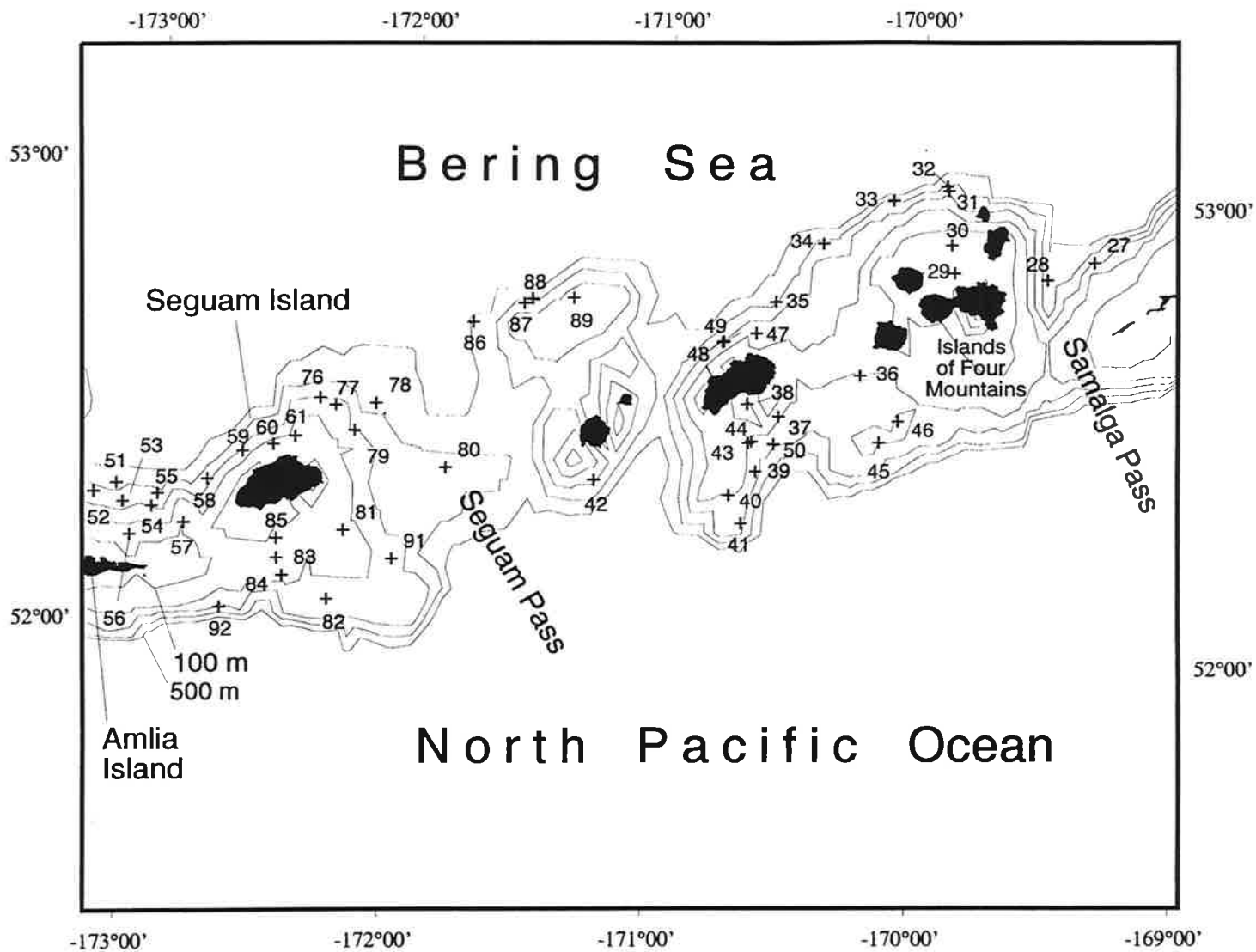
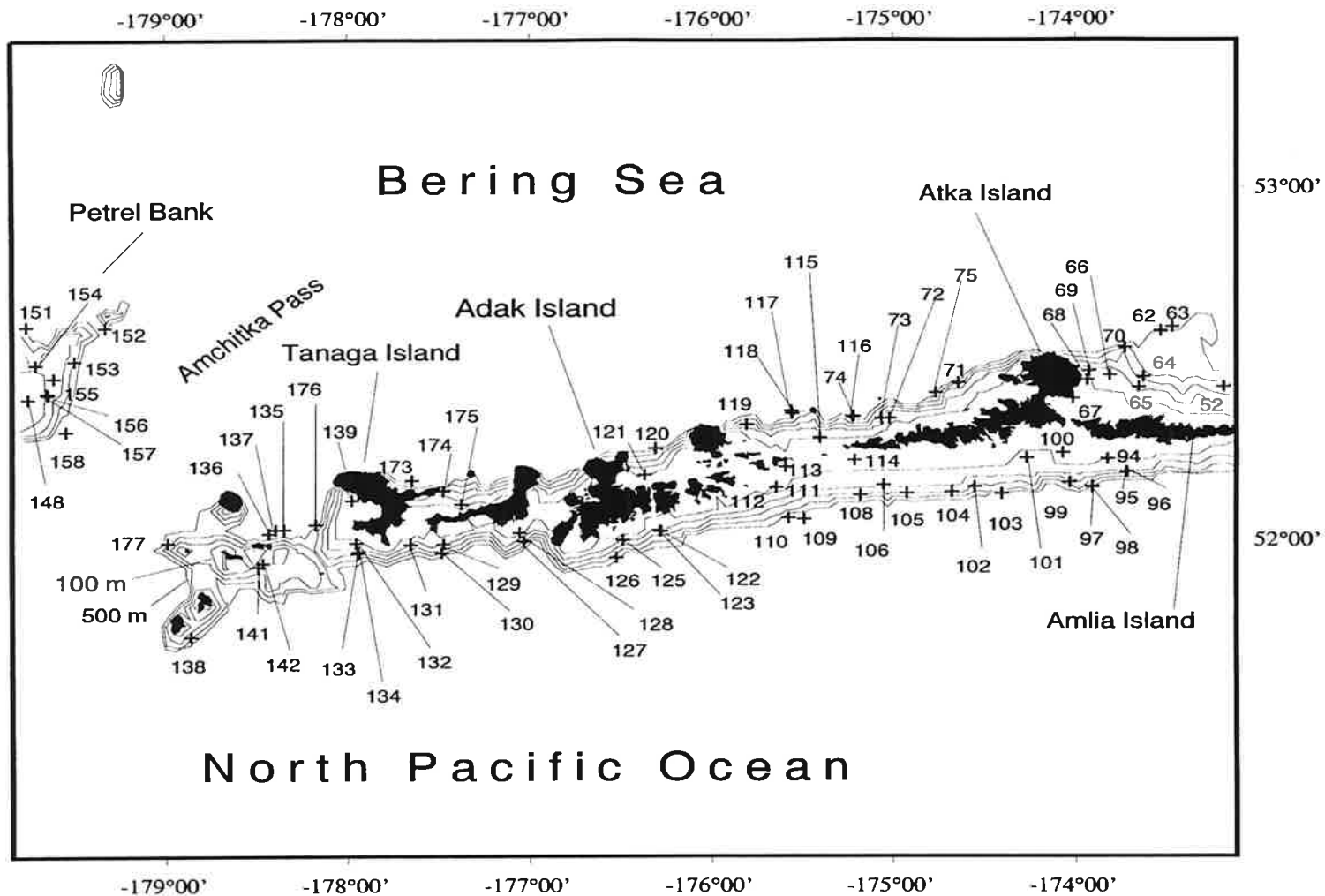


Figure 3.--Stations surveyed by the chartered vessel F/V Vesteraalen from the Islands of Four Mountains to Amlia Island (hauls 27-61, 75-89, 91,92).



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Figure 4.--Stations surveyed by the chartered trawler F/V *Vesteraalen* from Amlia Island to Petrel Bank (hauls 52, 62-75, 94-106, 108-123, 125-139, 141, 142, 148, 151-158, 173-177).

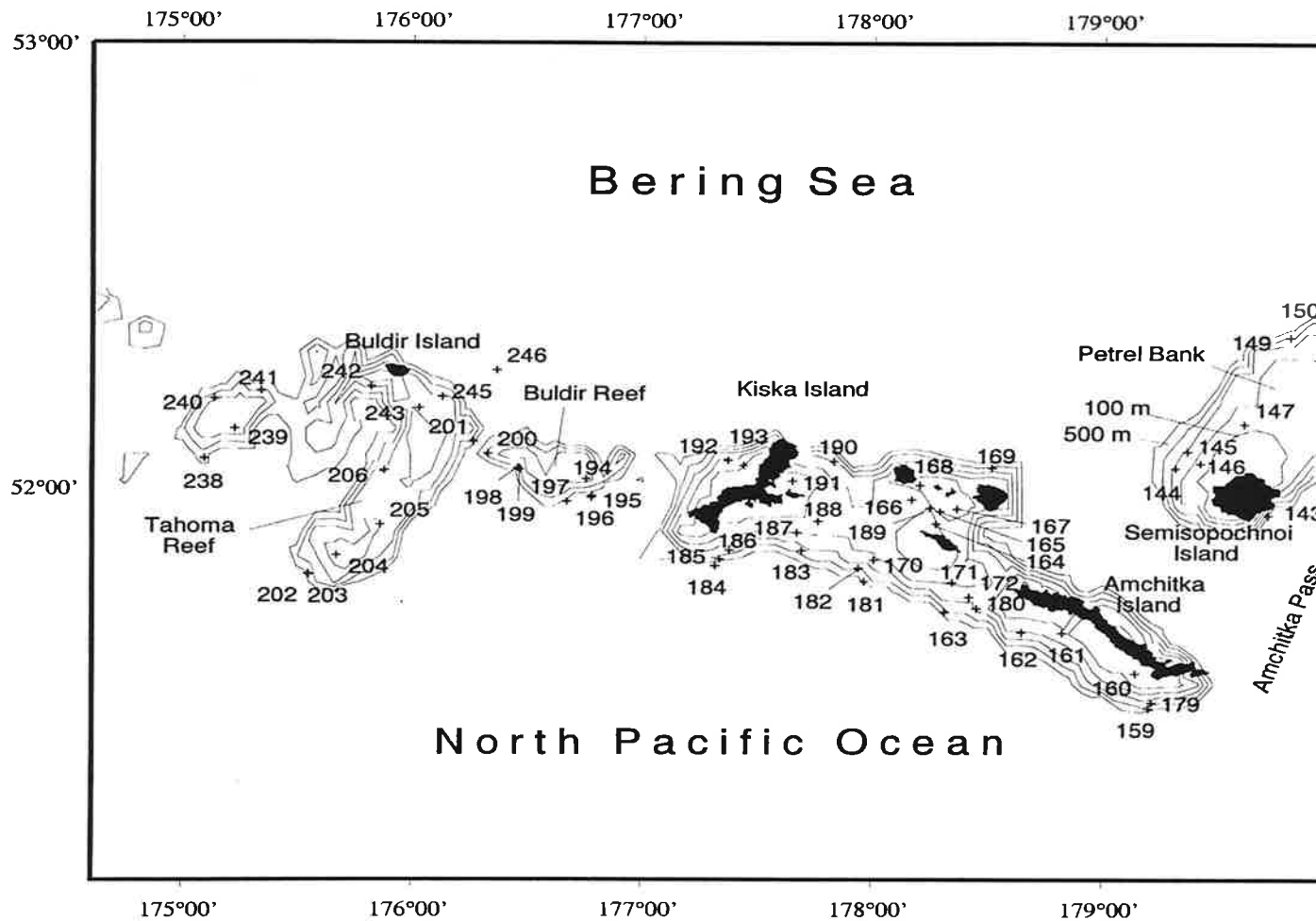


Figure 5.--Stations surveyed by the chartered trawler *Vesteraalen* from Petrel Bank to Buldir Island (hauls 143-147, 149-150, 159-172, 179-206, 238-243, 245, 246).

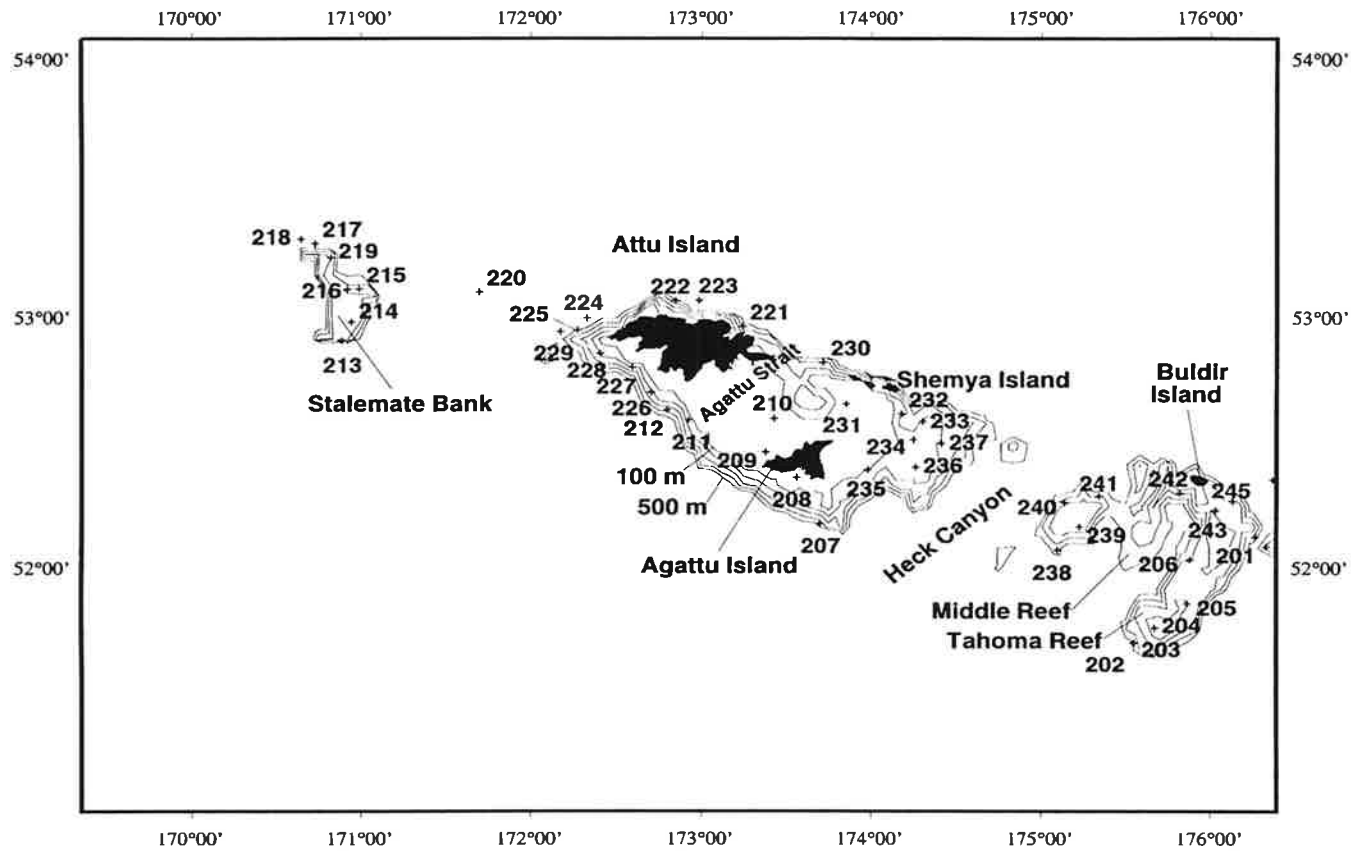


Figure 6.--Stations surveyed by the chartered trawler F/V Vesteraalen from Buldir Island to Stalemate Bank (hauls 201-243, 245).

Section 1 (continued)

Fishing Log for the F/V Vesteraalen

- **Summary listings of species catches by haul**
 - **Haul start and end latitude and longitude in degrees, minutes and decimal minutes
(E indicates east longitude, default is W)**
 - **Bottom depth in meters**
 - **Duration of tow in hundredths of an hour**
 - **Distance fished in kilometers**
 - **Catch weight in kilograms of principal species**
 - **Total catch weight in kilograms of all species**

Catch of selected species and species groups by haul for the F/V *Vesteraalen* during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Start date & hour	6/11/97 8	6/11/97 11	6/11/97 14	6/12/97 8	6/12/97 10	6/12/97 15	6/12/97 18	6/13/97 8	6/13/97 10	6/13/97 12	6/13/97 18	6/14/97 7	6/14/97 10	6/14/97 12
Start latitude	5431.57	5424.70	5422.81	5420.17	5414.26	5410.74	5406.36	5405.37	5357.52	5402.32	5348.62	5343.51	5345.29	5348.77
Start longitude	16533.23	16530.74	16547.5	16552.48	16554.52	16619.53	16616.81	16615.87	16630.48	16639.43	16717.98	16653.61	16655.97	16708.16
End latitude	5430.88	5424.88	5422.32	5419.60	5414.51	5411.09	5406.87	5405.67	5358.26	5402.32	5348.03	5343.34	5345.74	5348.26
End longitude	16533.52	16532.11	16548.73	16553.51	16555.91	16618.35	16615.77	16614.71	16629.98	16640.84	16718.44	16652.3	16657.14	16707.16
Gear depth (m)	121	91	246	164	59	240	91	85	129	90	326	190	22	44
Duration (h)	0.31	0.29	0.33	0.29	0.29	0.31	0.29	0.29	0.29	0.31	0.28	0.31	0.31	0.30
Distance fished (km)	1.36	1.53	1.63	1.55	1.59	1.47	1.49	1.38	1.49	1.54	1.25	1.48	1.55	1.56
Performance	0	0	0	0	0	0	0	0	0	0	0	2.4	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.40	0.00	0.00	0.00	0.00
Pacific cod	45.90	6.50	12.30	0.00	97.00	6.10	27.20	57.70	113.10	633.10	6.20	24.60	0.00	83.00
Walleye pollock	608.80	4.10	211.20	783.50	0.00	157.50	0.00	0.90	637.20	0.11	24.40	5.70	0.00	0.00
Pacific ocean perch	0.00	0.65	220.10	14.40	0.65	1,968.20	0.00	0.00	0.77	0.00	30.50	0.47	0.00	0.00
Northern rockfish	0.00	0.94	0.42	0.69	0.00	0.63	0.00	0.00	0.00	3.30	0.00	0.31	0.00	0.00
Shortraker rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	147.40	0.00	0.00	0.00
Rougheye rockfish	0.00	0.00	3.20	0.00	0.00	6.00	0.00	0.00	0.00	0.00	25.10	1.50	0.00	0.00
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.00	14.50	0.00	0.00	0.00	0.00	19.30	0.00	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	2.80	0.00	0.00	0.00	2.60	0.00	1.20	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	107.90	13.60	496.30	21.30	24.80	92.70	13.10	0.34	243.70	7.20	88.80	174.80	0.00	0.00
Pacific halibut	17.48	60.84	0.00	11.09	72.51	5.33	66.53	42.96	23.89	88.13	6.04	46.53	51.79	238.53
Rock sole	18.20	47.80	1.70	0.00	81.90	0.00	0.38	3.05	0.51	6.00	0.00	0.00	25.20	29.60
Northern rock sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	15.30	0.00	0.79	0.36	14.70	1.90	0.40	0.00	95.60	66.00	8.70	255.20	0.00	0.00
Rex sole	0.00	0.00	172.40	66.90	0.00	31.90	0.00	0.00	30.30	0.00	21.70	2.60	0.00	0.00
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.20	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	44.20	0.00	0.00	0.00	0.00	0.00	1.30	80.00	0.00
Skates	11.10	7.70	4.00	1.60	83.00	0.00	0.00	0.00	0.00	0.00	0.00	21.40	16.70	0.00
Sharks	0.00	0.00	93.00	45.60	0.00	0.00	0.00	0.00	20.50	0.00	27.70	0.00	0.00	0.00
Sculpin	8.69	36.84	13.49	0.92	0.75	0.51	15.20	16.50	1.10	14.62	9.92	0.69	1.62	0.00
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.40	0.00	0.00	1.70	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	0.00	0.00	0.07	0.01	0.00	0.08	0.00	0.00	0.01	0.00	0.00	0.77	0.00	0.00
Chlamys species	0.00	0.29	0.00	0.00	0.00	0.00	0.15	0.06	0.00	0.00	0.00	0.00	0.00	0.00
Red squid	0.00	0.00	6.17	12.90	1.60	5.78	1.10	0.00	0.00	0.00	4.41	1.08	0.00	0.00
Total catch	838.35	221.86	1,246.09	963.81	2,438.47	2,339.84	124.55	134.78	1,167.66	861.54	430.53	549.05	296.95	495.94

Catch of selected species and species groups by haul for the F/V *Vesteraalen* during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	15	16	17	18	19	20	21	22	23	24	26	27	28	29
Start date & hour	6/14/97 13	6/14/97 14	6/14/97 16	6/14/97 17	6/14/97 18	6/15/97 7	6/15/97 8	6/15/97 13	6/15/97 15	6/16/97 7	6/16/97 11	6/16/97 12	6/16/97 14	6/16/97 16
Start latitude	5341.43	5341.48	5340.19	5338.87	5331.32	5329.39	5331.44	5326.85	5324.56	5319.92	5320.14	5320.08	5321.03	5321.24
Start longitude	16715.89	16716.57	16718.44	16720.05	16730.02	16735.62	16740.36	16830.47	16841.53	16828.82	16830.83	16830.56	16832.3	16830.5
End latitude	5341.80	5342.27	5339.46	5338.41	5330.73	5330.11	5331.39	5327.35	5323.88	5319.03	5320.06	5320.22	5321.35	5321.08
End longitude	16716.25	16716.64	16717.64	16721.25	16731.25	16735.09	16739.05	16829.47	16842.13	16828.61	16830.05	16831.32	16830.47	16831.87
Gear depth (m)	112	116	91	87	75	78	107	118	272	82	90	89	93	91
Duratlion (h)	0.15	0.29	0.30	0.30	0.34	0.29	0.29	0.29	0.29	0.33	0.21	0.18	0.43	0.30
Distance fished (km)	0.81	1.49	1.61	1.57	1.76	1.47	1.46	1.47	1.48	1.69	0.89	0.89	2.11	1.55
Performance	-1.2	0	0	0	0	0	0	0	-2.4	0	0	0	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pacific cod	2.00	25.10	0.40	0.48	0.00	0.00	4.70	0.00	22.60	22.10	0.00	0.00	0.00	0.00
Walleye pollock	0.00	42.30	0.00	0.04	0.18	0.00	0.38	0.34	9.70	3.20	0.19	0.00	1.27	0.21
Pacific ocean perch	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	992.70	0.00	0.00	0.00	0.00	0.00
Northern rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.00
Shortraker rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rougheye rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.10	0.00	0.00	0.00	0.00	0.00
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.80	0.00	0.00	0.00	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	14.40	16.50	139.30	11.50	20.50	1.50	799.10	2.60	34.00	27.90	28.60	12.50	24.30	21.90
Pacific halibut	0.00	46.50	15.04	64.90	34.90	470.38	101.56	23.19	0.00	41.35	19.97	133.41	92.13	72.90
Rock sole	0.50	0.00	2.60	6.90	5.00	10.10	6.40	37.40	0.00	72.80	43.20	85.60	45.70	34.50
Northern rock sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	3.70	11.60	9.90	17.20	26.60	5.90	2.00	0.00	0.95	0.47	0.43	0.52	0.04	0.57
Rex sole	1.10	5.70	0.00	0.00	1.50	0.80	7.90	0.00	0.84	0.82	2.80	0.00	0.00	0.68
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skates	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.80	0.00	0.00	0.00	0.00	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.83	0.00	0.00	0.00	0.12	0.00	6.80	1.20	6.50	0.37	0.77	0.00	0.01	0.00
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlamys species	0.03	0.04	0.41	0.06	0.94	0.10	0.00	0.00	0.01	0.23	0.00	0.13	0.18	1.01
Red squid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.69	0.00	0.00	0.00	0.00	0.00
Total catch	45.74	149.53	205.49	148.01	179.36	560.38	936.34	70.32	1,106.83	180.31	103.78	254.30	184.03	152.88

Catch of selected species and species groups by haul for the F/V *Vesteraalen* during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	30	31	32	33	34	35	36	37	38	39	40	41	42	43
Start date & hour	6/16/97 18	6/17/97 8	6/17/97 10	6/17/97 17	6/17/97 20	6/18/97 7	6/18/97 10	6/18/97 12	6/18/97 15	6/18/97 22	6/19/97 7	6/19/97 11	6/19/97 12	6/19/97 16
Start latitude	5323.42	5306.76	5306.12	5313.19	5303.99	5251.70	5258.82	5304.78	5255.10	5301.18	5247.28	5240.91	5240.46	5240.50
Start longitude	16841.56	16859.06	16852.69	16944.38	16955.68	16954.25	17000.23	17008.69	17023.75	17018.82	17040.53	17049	17046.56	17030.72
End latitude	5323.11	5306.40	5305.44	5312.65	5303.44	5251.99	5258.99	5305.10	5254.87	5300.88	5246.90	5241.19	5240.65	5240.36
End longitude	16842.15	16859.95	16853.54	16944.17	16956.05	16952.92	16959.39	17007.63	17023.33	17019.34	17041.5	17048.4	17045.81	17030.65
Gear depth (m)	209	250	113	325	147	38	116	181	235	202	324	122	67	87
Duration (h)	0.23	0.32	0.30	0.25	0.36	0.32	0.25	0.29	0.20	0.29	0.33	0.30	0.31	0.35
Distance fished (km)	0.91	1.26	1.60	1.06	1.25	1.69	1.06	1.34	0.64	0.89	1.39	0.92	0.97	0.50
Performance	-2.4	6.4	0	0	-6.4	0	0	0	-2.3	-6.4	0	-6.4	-6.4	-6.4
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93	0.00
Pacific cod	75.90	29.70	0.00	0.00	0.00	3.60	0.00	0.00	4.35	17.70	45.70	0.00	0.00	0.00
Walleye pollock	0.00	0.75	0.38	31.10	0.14	0.00	0.02	0.00	0.00	0.00	582.20	0.00	0.00	0.00
Pacific ocean perch	2,164.74	2.70	0.00	15.80	0.00	0.00	0.00	0.00	0.00	0.06	50.10	0.00	0.00	0.00
Northern rockfish	3.10	0.00	0.00	0.64	0.00	0.00	0.00	0.67	0.55	0.00	0.00	0.00	0.00	0.00
Shortraker rockfish	0.00	0.00	0.00	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rougeye rockfish	1.40	0.00	0.00	2.96	0.00	0.00	0.00	0.00	0.00	0.00	8.70	0.00	0.00	0.00
Shortspine thornyhead	0.00	0.00	0.00	55.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	44.70	7.00	0.94	62.80	0.00	0.00	0.14	0.00	1.37	0.44	44.70	0.00	0.00	0.00
Pacific halibut	22.50	20.18	141.25	0.00	34.22	18.12	14.41	31.82	0.00	7.92	0.00	12.23	24.18	8.53
Rock sole	0.00	0.00	9.10	0.00	0.00	46.60	1.22	0.00	0.00	0.00	0.00	1.10	0.00	0.00
Northern rock sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rex sole	0.00	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	198.50	0.00	0.00	0.00
Skates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.40	7.30	0.00	19.60	26.50	0.00	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.20	0.70	0.01	14.90	0.00	0.00	0.00	0.34	0.48	2.47	7.32	0.00	19.70	5.00
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlamys species	0.28	0.02	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red squid	0.00	0.26	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	21.20	4.80	0.38	0.00
Total catch	2,322.00	66.76	161.23	191.85	35.03	81.15	29.56	50.17	31.49	33.87	980.55	50.78	59.85	31.68

Catch of selected species and species groups by haul for the F/V *Vesteraalen* during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	44	45	46	47	48	49	50	51	52	53	54	55	56	57
Start date & hour	6/19/97 18	6/19/97 20	6/20/97 10	6/20/97 12	6/20/97 14	6/20/97 17	6/20/97 20	6/21/97 8	6/21/97 12	6/22/97 8	6/22/97 12	6/23/97 8	6/23/97 11	6/23/97 14
Start latitude	5238.39	5238.04	5232.41	5231.19	5229.68	5222.75	5216.33	5215.91	5229.34	5203.41	5157.17	5233.71	5226.28	5224.70
Start longitude	17030.67	17030.67	17036.64	17039.94	17041.2	17034.41	17036.6	17048.12	17106.73	17148.25	17155.3	17318.71	17345.94	17350.15
End latitude	5237.83	5238.52	5232.04	5230.84	5229.36	5223.34	5215.78	5216.65	5228.33	5204.16	5157.09	5233.65	5226.09	5224.65
End longitude	17030.4	17030.59	17037.87	17041.14	17042.65	17034.1	17036.93	17048.24	17107.18	17148.1	17155.06	17317.34	17344.58	17348.46
Gear depth (m)	92	90	127	131	226	384	216	231	329	338	285	213	241	128
Duration (h)	0.31	0.53	0.30	0.30	0.33	0.21	0.24	0.31	0.34	0.35	0.10	0.29	0.29	0.36
Distance fished (km)	1.23	1.13	1.57	1.51	1.75	1.17	1.09	1.42	1.96	1.41	0.32	1.56	1.59	1.93
Performance	6.4	0	0	0	0	0	-2.1	0	0	6.4	-1.12	0	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63
Pacific cod	0.47	0.00	0.00	0.00	393.90	0.00	16.10	15.05	22.60	4.50	0.00	34.20	77.50	48.70
Walleye pollock	0.00	0.00	0.00	0.03	9.50	5.30	3.10	0.00	290.70	1.12	0.00	2.20	89.80	2.40
Pacific ocean perch	0.73	0.20	0.00	0.00	0.00	16.40	0.00	9.25	21.40	3.80	56.90	541.60	5,339.75	0.00
Northern rockfish	2.42	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shortraker rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rougheye rockfish	0.00	0.00	0.00	0.00	0.00	2.16	0.00	0.00	0.00	3.50	4.55	0.00	0.00	0.00
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.80	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	0.00	0.00	0.00	0.00	5.30	40.60	0.90	15.50	185.30	0.00	0.00	38.10	47.70	27.50
Pacific halibut	0.00	0.00	104.36	44.33	31.92	0.00	6.80	0.00	12.56	0.00	0.00	0.00	0.00	10.14
Rock sole	2.70	0.43	0.00	0.00	7.00	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00	15.60
Northern rock sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.50	0.00
Rex sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	11.10	0.00	0.00	167.80	0.00	0.00	5.80	15.50	0.00
Skates	9.80	16.60	37.90	14.85	0.00	20.49	0.00	6.70	19.71	17.30	0.00	0.00	0.82	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	5.85	14.27	6.51	1.09	1.51	1.83	2.74	2.64	13.70	1.20	0.90	9.80	0.00	1.07
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrlmp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Chlamys species	0.00	0.00	1.51	1.16	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red squid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total catch	203.22	55.65	170.91	91.62	471.52	102.83	67.13	54.19	781.31	35.05	73.19	809.84	5,578.00	107.60

Catch of selected species and species groups by haul for the F/V *Vesteraalen* during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	58	59	60	61	62	63	64	65	66	67	68	69	70	71
Start date & hour	6/23/97 16	6/23/97 17	6/24/97 7	6/24/97 10	6/24/97 12	6/24/97 14	6/24/97 16	6/24/97 18	6/25/97 7	6/25/97 9	6/25/97 13	6/25/97 16	6/25/97 19	6/26/97 8
Start latitude	5215.65	5216.07	5212.11	5213.40	5217.64	5217.19	5215.16	5216.85	5210.08	5216.21	5215.43	5215.19	5222.79	5229.26
Start longitude	17346.94	17358.13	17352.05	17324.38	17322.75	17315.35	17308.29	17305.14	17306.08	17256.56	17252.36	17257.41	17239.46	17234.06
End latitude	5215.94	5215.27	5211.72	5214.19	5217.54	5217.32	5215.29	5216.70	5209.96	5216.23	5215.40	5215.15	5223.63	5228.97
End longitude	17348.48	17358.49	17353.25	17324.25	17321.61	17316.41	17309.38	17306.62	17307.02	17255.16	17251.11	17256.02	17238.43	17235.04
Gear depth (m)	122	88	168	107	359	356	143	271	92	237	163	143	232	419
Duraton (h)	0.32	0.31	0.32	0.31	0.28	0.30	0.28	0.34	0.25	0.33	0.29	0.29	0.32	0.31
Distance fished (km)	1.84	1.55	1.56	1.48	1.32	1.25	1.28	1.76	1.14	1.68	1.44	1.60	1.97	1.27
Performance	0	0	0	0	0	0	0	0	1.2	0	0	0	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	0.00	2,983.34	0.00	3.10	0.00
Pacific cod	29.00	18.10	3.50	0.00	0.00	2.50	10.90	15.80	20.50	12.60	111.70	89.90	6.00	0.00
Walleye pollock	2.42	22.30	18.40	0.00	0.00	0.00	0.00	173.20	2.24	2,576.30	5.10	0.00	0.00	0.00
Pacific ocean perch	0.04	0.00	0.00	0.00	0.00	0.00	0.00	316.70	0.24	6,451.61	0.00	0.00	0.00	0.00
Northern rockfish	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.00
Shortraker rockfish	0.00	0.00	0.00	0.00	0.00	24.70	0.00	3.14	0.00	0.00	0.00	0.00	0.00	0.00
Rougheye rockfish	0.00	0.00	0.00	0.00	1.43	17.40	0.00	0.00	0.00	1.65	0.00	0.00	0.00	1.40
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	2.50	0.00	9.50	0.00	13.40	0.00	0.00	4.50	2.99
Arrowtooth flounder	35.30	60.10	76.30	5.70	3.80	0.70	93.40	6.50	1.50	65.80	0.00	2.30	210.20	0.42
Pacific halibut	20.94	0.00	40.83	8.85	5.33	0.00	4.90	0.00	3.74	0.00	351.12	34.02	18.53	0.00
Rock sole	5.35	95.80	0.00	0.89	0.00	0.56	5.90	0.00	31.60	5.00	17.40	25.90	23.30	0.00
Northern rock sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	19.80	37.90	68.90	1.68	0.00	0.00	0.00	4.90	4.30	2.46	0.00	0.00	0.00	0.00
Rex sole	5.80	3.30	9.00	0.27	4.80	4.70	0.00	36.60	0.00	0.75	0.00	0.00	0.00	0.00
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	8.60	17.50	5.00	0.57	20.90	74.40	7.40	9.80	0.00	40.20	0.00	0.00	46.50	12.20
Skates	5.00	0.00	0.00	0.00	0.54	0.00	0.00	18.66	0.00	8.08	122.00	0.00	36.96	1.44
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	1.11	11.60	1.20	5.97	1.84	3.50	0.12	3.28	5.71	19.98	30.50	4.50	0.00	2.13
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.25	2.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	0.46	0.00	0.62	0.00	0.03	0.05	0.32	0.42	0.00	0.00	0.00	0.00	0.00	0.00
Chlamys species	0.00	0.00	0.00	0.32	0.03	0.00	0.24	0.00	0.46	0.00	0.00	0.00	0.00	0.00
Red squid	0.00	0.00	0.00	0.00	3.30	1.30	0.00	2.15	0.29	0.69	0.00	0.00	0.00	0.00
Total catch	136.51	267.38	226.71	35.88	54.09	138.12	124.79	602.48	106.89	9,202.00	3,621.76	157.06	350.03	1,639.01

Catch of selected species and species groups by haul for the F/V *Vesteraalen* during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	72	73	74	75	76	77	78	79	80	81	82	83	86	87
Start date & hour	6/26/97 11	6/26/97 13	6/26/97 15	6/26/97 20	6/27/97 9	6/27/97 12	6/27/97 14	6/27/97 16	6/27/97 19	6/28/97 9	6/28/97 14	6/28/97 16	7/5/97 7	7/5/97 16
Start latitude	5227.12	5233.17	5239.02	5238.36	5156.36	5203.57	5158.67	5157.96	5209.22	5222.80	5248.71	5252.19	5155.45	5157.89
Start longitude	17219.05	17220.96	17214.64	17134.63	17205.11	17233.19	17235.41	17237.91	17239.61	17154.58	17130.67	17117.8	17253.65	17238.26
End latitude	5228.03	5234.17	5239.25	5237.86	5156.47	5204.29	5158.47	5158.13	5209.66	5222.35	5249.35	5252.94	5155.39	5157.82
End longitude	17219.57	17221.47	17215.63	17134.63	17204.62	17233.98	17236.82	17236.95	17240.79	17154.92	17129.72	17116.86	17254.49	17239.56
Gear depth (m)	160	217	397	457	232	148	173	219	153	305	203	205	275	214
Duration (h)	0.34	0.42	0.35	0.34	0.31	0.30	0.29	0.30	0.29	0.16	0.31	0.33	0.21	0.25
Distance fished (km)	1.80	1.98	1.24	1.07	0.83	1.62	1.68	1.25	1.59	0.93	1.72	1.77	0.99	1.53
Performance	0	0	6.4	6.4	-6.4	0	0	6.4	0	-2.4	0	0	-2.4	2.1
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pacific cod	72.00	75.40	0.00	0.00	35.80	0.00	15.30	5.50	216.90	1.48	0.00	0.00	12.90	77.70
Walleye pollock	0.02	9.30	0.00	1.25	0.00	0.00	0.00	0.25	0.00	70.70	1.20	0.00	160.90	0.00
Pacific ocean perch	0.27	129.40	7.10	0.00	68.50	0.00	0.08	30.50	0.09	4.80	0.00	0.00	1,512.40	78.40
Northern rockfish	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0.54	0.00	0.00	0.90	0.59	1.90	0.40
Shortraker rockfish	0.00	0.00	51.20	0.00	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rougheye rockfish	0.00	8.40	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	8.70	5.40	0.00	0.00	0.00	0.00	0.00	5.20	0.00	0.00	18.70	0.00
Arrowtooth flounder	0.00	7.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	10.40	0.00	0.49	64.15	0.00
Pacific halibut	88.15	0.00	0.00	0.00	16.44	44.21	61.43	55.30	51.76	0.00	47.19	65.29	0.00	73.95
Rock sole	13.40	10.70	0.00	0.00	0.00	4.80	4.25	0.00	55.00	0.00	0.00	0.00	0.00	0.80
Northern rock sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rex sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	13.50	5.80	0.00	0.00	0.00	0.00	0.00	2.75	0.00	0.00	7.37	0.00
Skates	35.70	6.80	10.20	0.26	12.70	30.80	18.90	5.90	29.20	13.50	0.00	14.50	0.17	35.45
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	8.56	0.48	25.46	0.20	1.66	17.05	2.68	2.74	0.00	23.18	0.16	0.00	10.39	1.30
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern plnk shrimp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlamys species	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red squid	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.24	0.00
Total catch	233.27	338.24	162.91	24.75	150.14	147.71	162.64	109.87	410.25	190.91	142.76	231.46	1,793.75	296.56

Catch of selected species and species groups by haul for the F/V *Vesteraalen* during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	88	89	90	91	92	93	94	95	96	97	98	99	100	101
Start date & hour	7/5/97 19	7/6/97 7	7/6/97 9	7/6/97 11	7/6/97 13	7/6/97 15	7/6/97 17	7/7/97 8	7/7/97 9	7/7/97 11	7/7/97 13	7/7/97 15	7/7/97 17	7/7/97 20
Start latitude	5155.71	5157.57	5154.48	5152.66	5150.36	5151.46	5159.52	5152.62	5152.68	5148.24	5148.15	5146.77	5152.50	5153.16
Start longitude	17253.59	17338.41	17347.9	17357.43	17355.6	17410.57	17406.19	17433.6	17433.94	17435	17443.13	17502.13	17456.66	17512.02
End latitude	5155.75	5157.72	5154.58	5152.88	5150.39	5151.68	5158.93	5152.38	5152.43	5148.40	5148.18	5146.82	5151.96	5153.21
End longitude	17252.67	17336.96	17346.49	17356.2	17354.21	17409.41	17405.36	17432.31	17432.51	17433.66	17441.76	17500.91	17455.47	17513.19
Gear depth (m)	201	99	124	151	323	153	93	146	145	319	315	374	154	153
Duration (h)	0.31	0.31	0.31	0.32	0.40	0.33	0.32	0.31	0.33	0.36	0.34	0.37	0.34	0.32
Distance fished (km)	1.11	1.73	1.64	1.48	1.61	1.47	1.48	1.56	1.73	1.58	1.61	1.49	1.74	1.36
Performance	6.4	0	0	0	0	0	0	-3.13	0	0	0	2.1	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.15	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pacific cod	26.00	0.00	0.00	6.05	28.80	5.53	3.69	8.50	80.45	0.00	1.70	0.00	127.70	130.20
Walleye pollock	0.00	0.06	0.21	0.30	132.00	0.15	0.00	0.06	0.00	41.30	108.70	1.06	0.00	0.84
Pacific ocean perch	33.90	0.00	6.50	1.12	40.70	0.25	0.30	20.90	4.78	58.75	3.96	0.00	0.00	0.00
Northern rockfish	0.00	0.00	54.60	16.60	0.00	0.00	17.38	7.20	0.47	0.00	0.54	0.00	0.00	0.34
Shortraker rockfish	0.00	0.00	0.00	0.00	161.85	0.00	0.00	0.00	0.00	27.90	79.50	92.25	0.00	0.00
Rougheye rockfish	0.00	0.00	0.00	0.00	96.65	0.00	0.00	0.00	0.00	75.50	3.00	9.75	0.00	0.00
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.40	3.85	1.20	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	15.45	0.00	0.00	1.23	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	2.80	0.00	0.00	0.00	0.00	2.33	0.00	0.00	0.00	0.00
Arrowtooth flounder	0.00	0.08	0.00	0.21	1.94	4.47	3.55	2.27	1.88	16.45	98.59	3.50	0.66	11.75
Pacific halibut	0.00	34.59	32.76	51.61	0.00	37.20	5.65	62.79	109.61	0.00	0.00	0.00	73.41	0.00
Rock sole	0.00	13.52	0.61	1.06	0.00	6.20	11.80	21.90	26.60	0.00	2.07	0.00	16.30	1.36
Northern rock sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rex sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.80	19.80	9.20	0.00	0.00
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.50	4.90	6.40	0.00	0.73
Skates	0.00	0.00	0.00	0.00	3.30	0.00	0.00	0.00	0.00	1.41	0.69	1.27	0.00	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	5.07	0.06	0.28	0.57	19.30	2.69	0.00	3.33	8.60	8.10	3.83	0.25	0.00	6.85
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlamys species	0.00	0.03	0.02	0.15	0.03	0.31	0.00	10.00	0.00	0.00	0.00	0.00	0.00	1.52
Red squid	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00	1.90	0.65	0.86	0.00
Total catch	74.79	58.75	137.17	77.76	497.40	89.65	86.79	187.06	247.08	284.85	333.03	126.78	218.94	188.85

Catch of selected species and species groups by haul for the F/V *Vesteraalen* during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	102	103	104	105	106	107	108	109	110	111	112	113	114	115
Start date & hour	7/8/97 8	7/8/97 10	7/8/97 12	7/8/97 15	7/8/97 17	7/9/97 8	7/9/97 11	7/9/97 14	7/9/97 16	7/9/97 18	7/10/97 8	7/10/97 10	7/10/97 12	7/10/97 15
Start latitude	5215.15	5220.96	5217.35	5212.71	5209.26	5204.61	5207.54	5147.95	5147.93	5145.44	5138.25	5135.04	5133.49	5137.21
Start longitude	17424.53	17433.55	17444.65	17456.62	17524.62	17515.01	17541.23	17543.31	17537.15	17527.52	17615.4	17623.27	17645.05	17709.77
End latitude	5215.26	5221.17	5218.06	5212.43	5209.03	5204.61	5207.65	5147.99	5147.97	5145.53	5138.61	5135.22	5133.67	5137.65
End longitude	17426.05	17432.16	17443.59	17458.07	17523.17	17516.36	17542.53	17541.98	17535.75	17526.21	17614.34	17622.13	17643.91	17709.08
Gear depth (m)	151	116	164	201	144	103	109	176	190	281	231	366	177	210
Duration (h)	0.32	0.34	0.31	0.35	0.33	0.32	0.31	0.32	0.33	0.34	0.33	0.38	0.33	0.30
Distance fished (km)	1.74	1.64	1.83	1.76	1.75	1.55	1.51	1.58	1.63	1.54	1.42	1.36	1.41	1.15
Performance	0	0	0	0	0	0	0	0	0	0	0	6.4	6.4	6.4
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pacific cod	0.00	0.11	5.39	222.90	16.20	0.00	0.00	34.60	9.17	15.30	20.10	1.84	79.70	14.20
Walleye pollock	70.30	0.00	0.00	2.92	0.00	0.13	0.00	2.83	6.67	16.10	6.37	0.00	0.57	0.36
Pacific ocean perch	0.00	3.84	0.00	0.19	2.83	0.00	0.00	231.60	0.00	13.10	1,127.50	0.00	4,165.86	142.30
Northern rockfish	0.00	0.19	0.00	1.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.63	0.00
Shortraker rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.83	3.76	40.72	0.00	0.00
Rougheye rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.38	1.70	0.00
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.38	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	83.76	1.86	89.15	37.40	5.68	0.08	3.00	124.40	15.03	3.81	21.80	10.20	19.00	127.10
Pacific halibut	8.41	56.15	50.22	0.00	8.22	13.19	17.63	12.04	13.32	0.00	0.00	0.00	12.85	0.00
Rock sole	0.00	6.70	18.30	1.16	6.12	16.30	24.20	20.60	22.67	16.51	3.61	0.00	0.00	14.40
Northern rock sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	162.30	0.00	17.00	0.00	0.00	0.00	0.00	0.52	1.98	0.59	0.00	0.00	0.00	0.00
Rex sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.76	12.83	0.00	1.94	0.00	0.29
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	7.30	0.50	44.35	4.77	2.44	0.00	0.00	1.46	0.00	4.20	5.20	1.20	0.00	1.51
Skates	0.04	6.52	4.35	0.00	0.00	4.20	0.00	0.02	2.46	5.83	12.40	6.31	29.10	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	2.90	11.13	0.29	0.00	0.00	0.76	0.75	7.60	2.58	0.30	1.25	0.76	0.37	0.45
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	6.70	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlamys species	0.00	0.03	0.00	0.11	0.00	0.00	0.31	0.89	0.00	0.00	0.00	0.00	0.00	0.00
Red squid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.62	0.00	0.00
Total catch	343.88	124.43	229.92	270.78	41.58	37.65	45.96	439.22	76.97	94.26	1,202.54	139.95	4,428.58	300.82

Catch of selected species and species groups by haul for the F/V *Vesteraalen* during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	116	118	119	120	121	123	124	125	126	127	128	129	130	131
Start date & hour	7/10/97 17	7/11/97 10	7/11/97 12	7/11/97 14	7/11/97 15	7/12/97 12	7/12/97 15	7/12/97 17	7/12/97 20	7/13/97 8	7/13/97 10	7/13/97 13	7/13/97 15	7/13/97 19
Start latitude	5140.64	5155.46	5156.22	5158.33	5158.03	5136.76	5137.17	5136.46	5134.32	5133.84	5139.21	5138.54	5147.13	5134.93
Start longitude	17712	17701.8	17650.36	17630.29	17624.5	17725.72	17732.06	17736.32	17747.56	17749.61	17753.38	17743.81	17739.26	17801.21
End latitude	5140.79	5154.67	5156.99	5157.47	5158.40	5137.52	5137.82	5135.98	5134.92	5134.19	5139.67	5139.14	5147.23	5135.06
End longitude	17710.87	17701.28	17649.77	17629.87	17623.26	17724.97	17731.92	17737.63	17747.11	17748.29	17752.1	17744.63	17737.79	17802.74
Gear depth (m)	87	87	93	94	119	346	120	150	240	222	52	83	135	126
Duration (h)	0.31	0.31	0.32	0.32	0.31	0.38	0.27	0.33	0.31	0.32	0.31	0.29	0.31	0.31
Distance fished (km)	1.36	1.59	1.60	1.67	1.58	1.71	1.23	1.77	1.38	1.67	1.72	1.48	1.72	1.80
Performance	0	0	0	0	0	6.22	1.12	0	0	0	0	0	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	562.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00	0.00
Pacific cod	3.10	0.08	0.00	0.00	5.20	1.84	179.10	280.87	24.10	14.40	0.00	408.70	308.80	14.75
Walleye pollock	0.00	0.00	0.00	0.00	4.84	0.00	0.10	10.80	33.50	552.40	0.00	0.00	0.09	0.00
Pacific ocean perch	0.00	0.00	0.05	0.00	0.00	2.70	205.03	0.00	1,512.30	121.37	0.00	0.00	0.00	0.00
Northern rockfish	0.00	0.00	0.00	0.00	0.00	0.00	63.17	0.00	2.10	3.35	0.00	0.00	0.03	0.00
Shorthead rockfish	0.00	0.00	0.00	0.00	0.00	112.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rougheye rockfish	0.00	0.00	0.00	0.00	0.00	58.23	0.00	0.00	15.70	0.00	0.00	0.00	0.00	0.00
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.00	32.75	0.00	0.00	10.10	0.00	0.00	0.00	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	4.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	5.00	0.21	0.00	33.11	11.80	147.60	0.00	0.35	17.90	38.70	0.00	0.00	1.76	1.26
Pacific halibut	11.76	142.11	27.70	8.12	11.83	0.00	4.90	59.01	0.00	17.74	66.30	22.32	80.23	171.03
Rock sole	2.61	17.50	0.61	70.10	0.23	0.00	3.45	0.34	3.46	2.64	6.55	10.60	29.40	9.47
Northern rock sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	0.90	0.00	0.00	0.90	13.80	0.00	0.00	0.00	2.54	1.04	0.00	0.00	0.00	0.00
Rex sole	0.00	0.00	0.00	0.05	8.20	5.88	0.00	0.00	0.00	2.63	0.00	0.00	0.00	0.00
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	2.02	5.18	9.23	0.00	0.00	0.00	0.81	0.00	0.00	0.26	0.00
Skates	1.28	19.20	0.00	0.00	0.00	10.50	0.00	0.00	0.03	0.00	0.00	8.30	0.00	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.00	12.19	0.13	0.00	1.12	7.77	2.37	1.78	14.23	4.21	0.00	0.00	0.15	0.00
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlamys species	0.00	0.00	0.04	0.05	0.04	0.00	0.17	0.04	0.00	0.00	0.00	0.12	0.00	20.29
Red squid	0.00	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total catch	586.85	204.68	30.65	133.37	66.26	439.91	642.34	363.83	1,706.05	770.36	109.48	454.06	432.77	233.01

Catch of selected species and species groups by haul for the F/V *Vesteraalen* during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	132	133	134	135	136	138	139	140	141	142	143	144	145	146
Start date & hour	7/14/97 9	7/14/97 11	7/14/97 14	7/14/97 16	7/14/97 18	7/15/97 16	7/15/97 19	7/17/97 8	7/17/97 9	7/17/97 11	7/17/97 13	7/17/97 17	7/17/97 20	7/18/97 8
Start latitude	5144.32	5146.48	5137.46	5137.37	5138.65	5146.31	5138.18	5146.74	5145.65	5143.18	5136.76	5133.53	5125.25	5127.41
Start longitude	17809.17	17810.86	17819.31	17826.48	17830.69	17811.15	17815.58	17810.59	17810.61	17817.21	17814.61	17821.96	17822.36	17838.07
End latitude	5144.08	5147.32	5137.28	5136.68	5138.84	5146.16	5138.62	5146.01	5145.10	5143.44	5136.29	5132.93	5125.60	5127.27
End longitude	17807.87	17810.21	17819.26	17825.59	17829.39	17811.27	17815.8	17811.42	17811.62	17816.67	17813.82	17821.23	17823.49	17837.07
Gear depth (m)	89	109	377	164	208	113	179	103	90	217	130	145	402	404
Duration (h)	0.31	0.34	0.08	0.36	0.35	0.07	0.19	0.34	0.30	0.22	0.32	0.31	0.37	0.39
Distance fished (km)	1.57	1.80	0.36	1.69	1.66	0.33	0.88	1.70	1.57	0.85	1.28	1.50	1.52	1.33
Performance	0	0	-2.1	0	0	-2.1	-1.12	0	0	1.12	6.4	0	0	-2.4
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00	9,577.87	0.00	0.82	0.00
Pacific cod	0.00	0.00	23.70	467.40	170.06	85.00	3.97	0.00	0.35	76.90	407.50	295.50	0.00	0.00
Walleye pollock	0.00	0.00	0.00	0.00	9.46	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.65	0.00
Pacific ocean perch	0.00	0.02	0.00	0.00	9,632.58	0.00	0.00	0.01	0.03	142.80	0.00	0.00	2.84	1.24
Northern rockfish	0.00	0.00	0.00	0.00	3.88	0.00	0.00	0.00	0.00	1.41	1,053.74	0.00	0.00	0.00
Shortraker rockfish	0.00	0.00	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	349.80	53.54
Rougheye rockfish	0.00	0.00	5.06	0.00	0.00	0.00	0.00	0.00	0.00	25.34	0.00	0.00	19.10	5.61
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.01	7.01
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.35	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	0.00	0.00	18.50	0.00	321.10	0.00	0.00	-0.00	0.00	0.63	0.00	0.00	0.00	0.00
Pacific halibut	42.07	81.24	0.00	67.12	37.86	5.38	0.00	0.00	5.56	0.00	23.41	76.05	0.00	0.00
Rock sole	6.86	1.23	0.59	9.03	24.63	6.85	0.47	8.90	14.70	0.30	0.00	5.80	0.00	0.00
Northern rock sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rex sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	316.80	0.00	33.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.23	16.60
Skates	0.00	0.00	0.00	17.00	0.00	0.00	0.00	0.00	0.00	11.00	10.50	16.00	7.30	0.54
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.00	2.31	12.70	6.57	10.90	0.73	0.38	15.40	17.66	15.63	0.00	4.69	0.00	3.65
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrlmp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlamys species	0.15	0.41	0.00	0.09	0.00	1.03	0.00	3.42	0.01	0.00	0.00	0.10	0.00	0.00
Red squid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	3.64
Total catch	104.61	103.00	567.42	602.34	10,243.77	113.44	8.98	190.00	317.27	314.36	11,083.87	409.89	506.00	145.73

Catch of selected species and species groups by haul for the F/V *Vesteraalen* during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	147	148	149	150	151	152	153	154	155	156	157	158	159	160
Start date & hour	7/18/97 13	7/18/97 18	7/18/97 21	7/19/97 8	7/19/97 11	7/19/97 13	7/19/97 15	7/19/97 18	7/19/97 20	7/20/97 9	7/20/97 11	7/20/97 15	7/20/97 17	7/20/97 18
Start latitude	5125.92	5139.36	5136.58	5158.98	5210.22	5209.30	5211.05	5213.78	5214.54	5240.11	5232.46	5230.21	5226.03	5226.85
Start longitude	17825.04	17832.37	17851.74	E17923.50	E17919.00	E17928.8	17939.85	E17958.10	17954.31	17921.47	17934.51	E17958.67	E17956.48	E17953.41
End latitude	5125.81	5139.47	5136.53	5159.54	5210.73	5210.08	5210.64	5213.53	5214.47	5239.33	5232.19	5230.32	5226.50	5226.42
End longitude	17823.9	17833.59	17852.77	E17924.03	E17919.44	E17929.14	17939.6	E17958.48	17956.04	17921.89	17935.72	E17959.88	E17955.29	E17952.65
Gear depth (m)	402	275	326	139	417	254	115	67	70	144	93	278	170	173
Duration (h)	0.37	0.34	0.33	0.29	0.31	0.31	0.32	0.20	0.32	0.33	0.31	0.33	0.32	0.33
Distance fished (km)	1.54	1.57	1.24	1.26	1.08	1.51	1.01	0.82	1.98	1.59	1.48	1.53	1.68	1.27
Performance	0	0	6.4	0	6.4	0	-6.4	-1.12	0	0	0	0	0	6.4
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.57	18.80	0.00	1,685.30	0.00	0.00	0.00
Pacific cod	0.00	24.10	15.50	6.60	0.00	0.00	0.00	38.20	56.90	16.50	62.10	0.00	0.00	0.00
Walleye pollock	0.00	1,670.00	13.50	0.00	0.00	0.00	1.06	0.00	144.30	23.40	0.00	3.71	0.00	0.00
Pacific ocean perch	1.13	95.10	4.75	0.00	0.00	0.00	0.00	0.00	0.02	270.30	11.28	24.30	1.32	0.00
Northern rockfish	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.62	201.70	0.00	0.00	0.00
Shortraker rockfish	746.08	0.00	896.32	0.00	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rougheye rockfish	23.82	1.75	27.78	0.00	2.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shortspine thornyhead	7.28	0.00	1.61	0.00	4.20	0.00	0.00	0.00	0.00	0.00	0.00	3.62	0.68	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	4.91	20.10	89.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	0.00	164.93	8.96	0.00	0.00	0.74	0.00	0.00	0.00	0.00	0.00	6.95	31.90	37.75
Pacific halibut	0.00	6.04	0.00	0.00	0.00	15.02	0.00	0.00	49.23	0.00	114.12	0.00	81.77	3.40
Rock sole	0.00	0.00	0.00	2.54	0.00	7.22	1.97	12.45	16.80	0.59	1.18	0.33	0.25	0.00
Northern rock sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	0.00	2.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rex sole	0.00	50.00	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.00	0.00	0.22
Dover sole	0.00	2.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	13.20	146.67	19.00	0.00	433.70	3.63	0.00	0.00	0.00	8.90	0.00	32.30	4.49	1.27
Skates	3.41	0.00	9.29	10.70	74.50	0.00	0.00	10.40	0.00	17.50	17.20	0.00	0.00	6.60
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.22	1.56	1.25	1.06	0.02	38.60	0.65	20.21	34.17	6.46	29.65	2.27	0.47	0.88
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.51	0.00
Chlamys species	0.00	0.00	0.00	0.02	0.00	0.00	1.68	0.00	0.01	0.43	0.10	0.00	0.00	0.00
Red squid	0.10	0.76	0.81	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	6.66	0.00	0.00
Total catch	967.62	2,188.73	1,103.24	48.99	748.86	66.09	8.69	303.15	919.27	519.06	2,191.06	101.32	127.30	51.69

Catch of selected species and species groups by haul for the F/V *Vesteraalen* during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	161	162	163	164	165	166	167	168	169	170	171	172	173	174
Start date & hour	7/20/97 21	7/21/97 8	7/21/97 9	7/21/97 12	7/21/97 15	7/21/97 17	7/21/97 20	7/22/97 8	7/22/97 10	7/22/97 19	7/23/97 9	7/23/97 14	7/26/97 9	7/26/97 12
Start latitude	5222.53	5219.20	5216.26	5220.58	5214.78	5213.08	5208.61	5208.24	5203.50	5137.79	5154.68	5155.51	5117.60	5115.20
Start longitude	E17938.52	E17950.1	E17954.44	17953.08	17936.88	17938.14	17945.56	17954.92	17947.47	17903.95	17652.4	17622.9	E17923.30	E17916.13
End latitude	5221.98	5219.89	5216.40	5220.13	5214.08	5212.40	5207.92	5208.12	5202.87	5137.83	5154.08	5156.48	5117.03	5115.13
End longitude	E17938.20	E17950.80	E17955.78	17951.92	17936.93	17938.39	17945.53	17953.74	17948.48	17904.69	17651.68	17622.91	E17922.41	E17914.64
Gear depth (m)	252	116	98	159	420	375	222	118	256	330	211	122	145	165
Duration (h)	0.33	0.32	0.31	0.30	0.37	0.36	0.32	0.32	0.33	0.35	0.31	0.38	0.26	0.30
Distance fished (km)	1.28	1.54	1.56	1.56	1.46	1.42	1.34	1.44	1.65	1.09	1.44	1.84	1.48	1.76
Performance	6.4	0	0	0	0	0	0	0	0	-6.4	0	0	6.21	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.00	3,764.72
Pacific cod	0.00	12.00	18.80	4.60	0.00	0.00	0.00	3.32	0.00	0.00	108.80	113.10	101.60	757.80
Walleye pollock	4.65	0.00	0.39	3.32	1.21	0.00	0.00	0.05	201.30	1.30	2.67	20.43	108.30	409.40
Pacific ocean perch	591.00	0.01	0.01	0.00	1.24	5.40	8.15	0.52	5.15	45.60	163.64	90.40	933.70	5,471.96
Northern rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	123.13	134.65	132.30
Shortraker rockfish	0.00	0.00	0.00	0.00	19.10	48.90	0.00	0.00	0.00	499.40	0.00	0.00	0.00	0.00
Rougheye rockfish	0.00	0.00	0.00	0.00	6.40	30.30	3.95	0.00	0.00	268.45	0.76	1.64	0.00	0.00
Shortspine thornyhead	0.00	0.00	0.00	0.00	26.60	18.70	0.00	0.34	1.87	10.13	0.00	0.00	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.10	1.94	8.83
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.70	0.00	0.00	0.00	0.00
Arrowtooth flounder	25.90	0.00	0.00	20.10	0.00	1.70	0.00	0.00	4.69	43.90	46.50	11.80	1.14	10.63
Pacific halibut	0.00	0.00	9.49	17.86	0.00	0.00	45.84	12.44	0.00	0.00	0.00	33.85	0.00	0.00
Rock sole	0.45	16.00	110.00	0.00	0.24	0.00	0.00	10.10	7.41	0.00	80.80	0.36	11.40	39.20
Northern rock sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.78	22.70	0.00	0.00
Rex sole	1.03	0.00	0.00	0.00	2.82	3.95	0.00	0.00	21.70	4.13	7.00	0.00	0.00	1.49
Dover sole	0.97	0.00	0.38	0.00	3.70	2.66	0.00	0.19	1.39	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	8.40	0.00	0.00	0.00	67.00	41.30	3.71	0.00	10.12	273.80	20.30	3.75	0.00	0.00
Skates	1.88	19.50	0.02	0.00	0.18	0.00	13.60	0.11	4.91	144.67	26.30	0.00	12.40	28.90
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	17.81	4.58	3.51	0.41	0.00	0.03	5.74	3.24	81.18	5.59	4.33	0.49	2.10	0.00
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.91	0.00	0.00
Chlamys specles	0.06	4.70	0.00	0.01	0.00	0.00	0.00	22.58	3.22	0.00	0.00	0.37	0.03	0.00
Red squid	0.60	0.00	0.00	0.00	1.00	7.00	0.00	0.47	0.29	0.00	0.00	0.00	0.00	0.00
Total catch	657.58	111.57	211.46	49.93	437.87	178.73	3,200.63	102.68	356.33	1,601.54	504.86	576.68	1,349.09	10,633.00

Catch of selected species and species groups by haul for the F/V *Vesteraalen* during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	175	176	177	178	179	180	182	183	184	185	186	187	188	189
Start date & hour	7/26/97 16	7/26/97 19	7/27/97 9	7/27/97 12	7/27/97 15	7/27/97 18	7/28/97 8	7/28/97 12	7/28/97 15	7/28/97 17	7/28/97 20	7/29/97 8	7/29/97 10	7/29/97 13
Start latitude	5114.84	5121.94	5126.03	5128.06	5129.42	5127.26	5141.52	5146.72	5153.93	5153.87	5155.20	5203.43	5157.57	5155.42
Start longitude	E17910.16	E17854.12	E17848.55	E17839.87	E17837.68	E17835.28	E17815.69	E17808.17	E17815.82	E17820.80	E17824.55	E17818.64	E17816.08	E17815.04
End latitude	5114.74	5122.24	5125.63	5127.85	5129.78	5127.46	5141.68	5146.96	5153.66	5153.13	5155.57	5203.81	5158.27	5155.96
End longitude	E17909.13	E17853.16	E17849.91	E17840.93	E17836.38	E17833.88	E17814.28	E17806.95	E17814.77	E17821.12	E17823.48	E17817.52	E17815.07	E17814.10
Gear depth (m)	224	169	218	285	215	368	122	89	211	145	88	353	85	242
Duration (h)	0.26	0.25	0.35	0.33	0.32	0.34	0.29	0.30	0.30	0.31	0.28	0.30	0.31	0.30
Distance fished (km)	1.23	1.26	1.79	1.31	1.70	1.69	1.66	1.51	1.33	1.50	1.41	1.48	1.76	1.51
Performance	0	0	0	-2.4	0	0	0	0	4.4	0	0	0	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.81	84.50	0.86	0.00	0.00	0.00	9,434.02	61.60	0.00	0.00	0.00	0.00	0.00	0.00
Pacific cod	39.50	40.90	5.50	0.00	12.00	7.40	165.10	162.20	8.90	189.70	134.40	5.20	360.90	38.00
Walleye pollock	2,753.65	1,294.69	952.78	24.90	62.90	1.09	0.58	0.00	3.70	0.00	0.53	3.76	0.00	35.50
Pacific ocean perch	6,913.23	3,211.95	1,682.51	2,579.82	1,991.20	22.60	0.00	0.00	9,813.80	491.50	0.00	0.00	0.00	191.90
Northern rockfish	15.78	266.88	0.29	0.00	1.00	0.00	9.90	0.00	0.00	97.74	0.00	0.00	0.00	1.04
Shortraker rockfish	0.00	0.00	0.00	0.00	0.00	96.90	0.00	0.00	26.90	0.00	0.00	17.90	0.00	12.70
Rougheye rockfish	0.00	7.16	2.62	20.25	2.43	24.10	0.00	0.00	36.70	0.00	0.00	111.90	0.00	0.00
Shortspine thornyhead	0.00	0.00	3.76	6.00	0.00	20.30	0.00	0.00	0.00	0.00	0.00	5.50	0.00	0.00
Light dusky rockfish	6.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.48	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	7.43	0.00	0.00	0.00	16.20	8.20	4.82	0.00	17.94	0.00	0.00	1.50	0.00	322.20
Pacific halibut	0.00	0.00	0.00	0.00	13.26	0.00	0.00	0.00	0.00	22.67	44.12	0.00	1.62	30.63
Rock sole	14.78	0.00	0.00	0.00	5.40	0.00	240.20	48.30	10.13	12.00	4.00	0.00	113.90	17.50
Northern rock sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	0.00	0.00	0.00	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rex sole	1.09	0.00	0.00	0.00	0.00	0.00	7.50	0.00	0.00	0.00	0.00	3.09	0.00	0.00
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	19.90	3.41	10.20	0.00	0.00	0.93	0.00	0.00	65.90	0.00	91.60
Skates	0.83	0.00	1.89	0.00	0.00	1.01	0.00	0.00	0.00	0.00	11.70	1.01	10.81	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	3.45	9.52	10.51	0.50	3.40	2.33	0.00	8.80	0.00	0.00	6.66	0.33	11.45	4.72
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlamys species	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00
Red squid	0.00	0.00	0.36	0.00	0.32	2.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total catch	9,790.00	4,934.90	2,694.89	2,702.95	2,120.31	263.31	9,903.00	280.93	9,919.00	915.37	203.55	337.05	535.00	746.94

Catch of selected species and species groups by haul for the F/V *Vesteraalen* during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	190	191	192	193	194	195	196	197	198	199	200	201	202	203
Start date & hour	7/29/97 16	7/29/97 18	7/29/97 20	7/29/97 21	7/30/97 10	7/30/97 13	7/31/97 9	7/31/97 10	7/31/97 13	7/31/97 15	7/31/97 21	8/1/97 9	8/1/97 12	8/1/97 17
Start latitude	5156.15	5153.37	5147.34	5147.49	5145.78	5201.39	5201.81	5205.60	5203.29	5204.27	5158.44	5154.39	5154.30	5207.81
Start longitude	E17804.71	E17744.94	E17743.2	E17740.98	E17720.79	E17749.50	E17743.56	E17742.6	E17723.86	E17715.42	E17650.53	E17638.26	E17635.90	E17617.06
End latitude	5156.98	5153.41	5147.64	5147.84	5145.40	5200.65	5201.49	5204.97	5202.60	5204.24	5158.48	5154.86	5154.38	5207.47
End longitude	E17803.78	E17743.65	E17741.95	E17739.88	E17719.59	E17749.65	E17744.70	E17742.39	E17724.06	E17714.44	E17649.59	E17638.99	E17634.40	E17617.97
Gear depth (m)	426	93	154	164	161	112	193	88	132	93	160	376	272	114
Duration (h)	0.39	0.31	0.32	0.29	0.29	0.29	0.30	0.31	0.34	0.33	0.25	0.27	0.32	0.29
Distance fished (km)	1.95	1.49	1.55	1.44	1.57	1.40	1.51	1.25	1.40	1.19	1.09	1.36	1.74	1.24
Performance	0	0	0	0	0	0	5.1	6.4	6.4	4.5	0	2.1	2.1	1.11
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.51	0.00	0.00	0.00	1,221.60	0.00	3.66	1,710.50	3,649.20	0.00	0.00	0.41	155.40
Pacific cod	0.00	8.10	88.26	5.90	20.80	0.00	30.40	0.78	106.30	426.60	16.40	0.00	0.00	251.80
Walleye pollock	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.16	0.00	0.00	2.84	1.23	13.70	0.00
Pacific ocean perch	2.00	0.00	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,959.81	3.80	1,574.16	0.00
Northern rockfish	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.51	0.45	958.48	23.20	0.00	0.57	524.30
Shortraker rockfish	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175.10	0.00	0.00
Rougheye rockfish	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.53	22.10	95.50	59.60	0.92
Shortspine thornyhead	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.90	17.80	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	4.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	0.00	0.00	25.90	118.20	24.20	0.00	148.90	0.00	0.00	0.00	0.00	0.00	6.90	0.00
Pacific halibut	0.00	18.99	0.00	0.00	0.00	43.34	8.53	4.90	0.00	0.00	0.00	0.00	0.00	0.00
Rock sole	0.00	69.50	95.80	62.90	41.40	42.50	34.82	1,199.70	7.30	0.00	1.30	0.00	0.00	1.88
Northern rock sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	0.00	0.00	1.89	0.00	0.00	0.00	55.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rex sole	0.00	0.00	0.00	0.00	0.00	0.00	6.80	0.00	0.00	0.00	0.00	0.57	0.00	0.00
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	216.30	0.00	0.14	6.40	5.70	0.00	18.50	0.00	0.00	0.00	0.00	16.80	0.00	0.00
Skates	7.54	1.28	0.00	0.00	37.78	0.00	0.00	0.00	0.00	10.80	16.00	0.00	0.36	0.70
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.02	0.54	5.05	0.24	0.89	6.52	2.19	51.92	5.00	0.00	0.10	1.34	2.62	0.66
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlamys species	0.00	0.00	0.02	0.08	0.31	0.07	0.12	0.13	0.07	0.00	0.00	0.00	0.00	0.00
Red squid	1.25	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.04	1.37	0.00
Total catch	824.86	99.33	218.43	196.23	171.99	1,316.35	320.83	1,263.34	1,876.16	5,495.59	3,072.00	422.85	1,917.94	1,040.47

Catch of selected species and species groups by haul for the F/V *Vesteraalen* during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	204	205	206	207	208	209	211	212	213	214	215	216	217	218
Start date & hour	8/1/97 21	8/2/97 8	8/2/97 13	8/2/97 16	8/2/97 19	8/2/97 21	8/3/97 9	8/3/97 11	8/3/97 13	8/3/97 16	8/3/97 19	8/4/97 9	8/4/97 12	8/4/97 13
Start latitude	5210.78	5246.41	5239.70	5233.19	5228.15	5229.43	5254.50	5256.20	5308.14	5319.00	5315.18	5301.70	5304.45	5305.58
Start longitude	E17619.57	E17401.48	E17358.18	E17329.63	E17311.34	E17257.35	E17049.26	E17059.23	E17054.12	E17036.48	E17051.94	E17312.38	E17250.13	E17243.49
End latitude	5210.70	5246.45	5239.88	5233.87	5228.96	5230.27	5254.52	5255.91	5308.55	5318.27	5315.38	5302.04	5304.44	5305.07
End longitude	E17620.88	E17403	E17356.80	E17330.42	E17311.1	E17257.18	E17047.79	E17058.11	E17053.04	E17036.07	E17050.82	E17311.38	E17248.88	E17242.48
Gear depth (m)	92	87	78	139	116	172	219	185	120	335	169	133	93	113
Duration (h)	0.29	0.33	0.29	0.30	0.28	0.30	0.33	0.28	0.29	0.32	0.29	0.29	0.29	0.29
Distance fished (km)	1.52	1.72	1.61	1.55	1.53	1.61	1.67	1.38	1.45	1.50	1.32	1.30	1.40	1.48
Performance	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.00	0.00	0.00	0.45	0.00	0.64	71.70	0.00	0.00	180.80	0.00	0.00	0.00
Pacific cod	31.00	44.20	0.00	0.00	0.00	33.50	0.00	0.00	0.00	0.00	0.00	16.30	53.50	30.20
Walleye pollock	0.00	0.00	0.00	12.70	0.00	0.23	216.30	1,491.10	7.30	4.50	22.90	0.00	0.00	0.00
Pacific ocean perch	0.00	0.00	0.00	0.00	0.00	0.00	321.60	2,040.15	9.50	69.00	450.30	0.00	0.01	0.00
Northern rockfish	0.00	6.10	0.00	0.00	0.00	0.00	0.00	0.00	677.10	0.00	442.50	0.00	0.00	0.00
Shortraker rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.62	0.00	0.00	0.00	0.00
Rougheye rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.55	0.00	5.60	0.00	0.00	0.00	0.00
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.00	0.00	50.40	0.00	0.00	16.00	36.60	0.00	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	0.00	6.80	0.56	42.10	41.00	82.50	2.22	1.66	0.00	0.00	8.80	358.30	0.00	0.00
Pacific halibut	4.92	2.12	184.21	0.00	21.83	26.43	0.00	0.00	0.00	0.00	0.00	0.00	49.46	94.53
Rock sole	31.00	90.30	33.90	1.90	21.20	8.20	0.00	0.00	15.40	0.00	0.00	47.10	7.20	0.82
Northern rock sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	0.00	10.60	0.00	51.30	13.10	0.00	0.00	0.00	9.90	0.00	1.74	3.08	0.00	0.00
Rex sole	0.00	0.00	0.00	0.00	0.18	0.29	0.00	0.58	18.80	0.00	3.80	2.90	0.00	0.00
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	11.30	2.98	0.39	0.00	4.10	0.15	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.44	0.00	8.10	0.19	5.50	0.00	0.00	0.00	2.42	0.00	14.70	0.00	0.00
Skates	0.00	0.39	0.13	0.00	0.00	10.00	194.44	256.73	136.29	0.71	102.20	9.00	0.00	15.50
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.00	18.65	0.76	7.21	1.62	1.18	52.83	6.84	4.52	0.23	1.41	10.88	4.47	1.03
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.41	0.01	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlamys species	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.45	0.03
Red squid	0.00	0.00	0.00	0.00	0.00	0.00	0.40	83.50	0.00	6.90	1.44	0.00	0.00	0.00
Total catch	68.21	192.26	224.79	124.43	105.07	174.25	903.15	4,060.00	904.32	145.16	1,379.28	462.83	180.88	146.00

Catch of selected species and species groups by haul for the F/V *Vesteraalen* during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	219	220	221	222	223	224	226	227	228	230	231	232	233	234
Start date & hour	8/4/97 17	8/4/97 19	8/5/97 9	8/5/97 10	8/5/97 13	8/5/97 15	8/6/97 10	8/6/97 12	8/6/97 15	8/6/97 17	8/6/97 20	8/7/97 9	8/7/97 11	8/7/97 13
Start latitude	5300.05	5259.42	5251.54	5250.85	5239.76	5240.34	5232.29	5220.12	5213.66	5211.47	5220.59	5219.52	5222.88	5225.87
Start longitude	E17218.87	E17221.95	E17227.51	E17219.93	E17241.26	E17245.66	E17256.16	E17311.67	E17327.31	E17334.52	E17331.65	E17408.44	E17408.67	E17415.40
End latitude	5259.82	5259.37	5251.84	5250.92	5240.25	5240.82	5231.48	5220.71	5213.95	5211.74	5220.04	5219.57	5223.31	5226.55
End longitude	E17217.73	E17220.82	E17226.36	E17218.69	E17240.25	E17244.54	E17256.50	E17310.77	E17326.11	E17333.33	E17330.43	E17409.69	E17409.70	E17416.05
Gear depth (m)	222	146	146	251	398	179	211	156	174	227	86	383	154	172
Duration (h)	0.30	0.30	0.29	0.30	0.31	0.29	0.29	0.30	0.29	0.29	0.29	0.34	0.30	0.32
Distance fished (km)	1.39	1.29	1.42	1.41	1.45	1.55	1.56	1.50	1.47	1.46	1.78	1.43	1.43	1.49
Performance	0	6.4	0	0	0	0	0	0	0	0	5.1	0	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pacific cod	54.20	45.20	15.20	14.10	0.00	12.70	111.40	48.60	38.20	19.60	0.58	0.00	0.00	46.70
Walleye pollock	0.00	0.54	1.35	398.70	0.00	0.95	0.00	0.00	0.00	3.40	0.00	4.12	0.00	0.00
Pacific ocean perch	0.39	134.70	0.00	20.10	0.00	1.41	797.00	0.57	0.00	5,338.77	0.09	0.00	0.00	0.00
Northern rockfish	0.29	119.70	0.00	0.45	0.00	0.00	1.07	0.00	0.00	1.43	4.30	0.00	0.00	0.00
Shortraker rockfish	0.00	0.00	0.00	0.00	6.70	0.00	0.00	0.00	0.00	0.00	0.00	14.40	0.00	0.00
Rougeye rockfish	0.00	3.00	0.00	0.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	10.30	0.00	0.00
Shortspine thornyhead	0.00	0.00	0.00	12.30	81.40	0.00	0.51	0.00	0.00	0.00	0.00	121.50	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	32.40	3.10	24.60	27.50	31.40	23.30	53.80	45.60	124.00	130.30	0.00	34.60	3.90	20.80
Pacific halibut	29.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.70	0.00	19.74	0.00
Rock sole	0.00	0.00	37.30	0.00	0.00	10.10	9.40	4.90	43.10	33.20	30.90	0.00	44.40	37.10
Northern rock sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flatehead sole	0.00	0.00	23.50	1.26	0.00	2.90	11.40	39.20	21.40	5.20	0.00	0.00	0.63	5.10
Rex sole	0.00	0.00	2.12	0.00	6.49	0.00	5.40	61.10	0.00	1.06	0.00	13.00	0.00	8.00
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.37	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	2.90	0.00	4.00	22.40	56.20	10.40	7.90	10.50	23.30	9.14	0.00	7.50	0.11	0.77
Skates	13.30	0.01	9.20	0.00	5.12	43.41	0.00	0.00	0.00	0.00	0.00	0.00	11.50	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	1.77	1.54	8.66	1.91	0.00	1.72	0.14	0.00	0.00	0.00	0.40	0.00	7.49	0.08
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	1.04	0.22	0.00	0.35	0.00	1.11	0.43	0.00	0.03	0.00	0.00	0.00	0.00	0.00
Chlamys species	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red squid	0.00	0.00	0.00	1.46	4.58	0.00	0.28	0.00	0.00	0.00	0.00	3.06	0.53	0.00
Total catch	413.59	563.75	132.58	536.02	214.57	113.85	999.80	210.94	250.85	5,545.00	171.85	208.69	89.08	120.32

Catch of selected species and species groups by haul for the F/V *Vesteraalen* during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	235	236	237	238	239	240	241	242	244	245	246	247	248	249
Start date & hour	8/7/97 15	8/7/97 18	8/8/97 13	8/8/97 15	8/8/97 18	8/9/97 9	8/9/97 12	8/9/97 14	8/9/97 18	8/9/97 21	8/10/97 9	8/10/97 13	8/10/97 17	8/10/97 19
Start latitude	5230.95	5231.07	5204.90	5210.19	5214.94	5226.10	5219.76	5218.50	5215.39	5216.54	5220.10	5211.75	5205.84	5153.84
Start longitude	E17425.87	E17403.89	E17511.56	E17509.04	E17514.89	E17541.15	E17548.55	E17548.13	E17555.25	E17558.71	E17621.88	E17613.51	E17559.95	E17555.83
End latitude	5231.29	5230.82	5205.49	5210.58	5215.58	5225.73	5220.47	5217.89	5215.42	5216.10	5219.99	5212.11	5206.28	5153.74
End longitude	E17426.96	E17405.12	E17512.46	E17510.12	E17515.47	E17542.18	E17548.01	E17548.82	E17556.33	E17559.73	E17623.02	E17612.64	E17600.89	E17554.46
Gear depth (m)	181	121	318	172	142	149	226	255	248	142	231	95	175	168
Duration (h)	0.30	0.29	0.38	0.33	0.29	0.30	0.25	0.31	0.30	0.29	0.30	0.32	0.29	0.30
Distance fished (km)	1.41	1.48	1.60	1.48	1.42	1.39	1.50	1.40	1.24	1.43	1.36	1.23	1.50	1.60
Performance	0	0	6.4	0	0	0	5.1	0	6.4	5.1	0	0	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.00	0.00	0.00	0.00	83.20	0.00	0.00	0.75	5.10	0.00	5,399.99	0.89	0.00
Pacific cod	0.00	0.00	0.00	0.00	0.00	294.70	0.00	0.00	0.00	58.10	22.80	86.30	0.00	0.00
Walleye pollock	0.00	0.05	0.00	0.00	0.00	74.50	40.60	37.70	226.40	0.00	356.70	0.00	73.10	915.50
Pacific ocean perch	0.00	0.00	6.30	0.00	5.30	0.00	270.50	973.40	3,235.61	500.00	3,668.47	0.00	2,174.18	166.30
Northern rockfish	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.52	445.90	0.00	407.60	188.30	27.40
Shortraker rockfish	0.00	0.00	11.40	0.00	0.00	0.00	0.00	5.90	0.00	0.00	0.00	0.00	0.00	0.00
Rougheye rockfish	0.00	0.00	3.60	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shortspine thornyhead	0.00	0.00	42.40	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	17.60	26.60	0.00	5.90	0.00	0.00	8.94	2.20	12.30	0.00	0.00	0.00	8.20	102.10
Pacific halibut	16.79	19.57	0.00	30.70	0.00	0.00	0.00	37.00	55.54	0.00	0.00	0.00	0.00	0.00
Rock sole	36.30	46.10	0.00	1.68	0.00	53.00	1.07	1.63	0.00	1.19	0.00	0.00	0.00	9.20
Northern rock sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	1.49	67.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.10
Rex sole	0.89	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.30
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.78
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	1.69	0.37	12.20	0.55	0.00	3.80	1.03	31.30	7.50	3.80	214.00	0.00	3.70	10.40
Skates	0.00	0.00	0.00	0.00	0.00	26.70	0.02	0.56	23.20	24.30	0.00	0.00	63.92	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.02	11.80	6.84	0.04	0.64	0.03	3.99	7.67	8.59	11.64	5.16	0.16	11.25	1.36
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlamys species	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red squid	0.00	0.00	3.19	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total catch	75.26	177.09	278.18	93.34	82.55	538.97	544.19	1,219.48	3,577.98	1,637.81	4,275.98	6,052.30	2,597.95	1,254.94

Catch of selected species and species groups by haul for the F/V *Vesteraalen* during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	250	251
Start date & hour	8/11/97 9	8/11/97 12
Start latitude	5143.10	5137.98
Start longitude	E17548.78	E17540.06
End latitude	5142.99	5138.40
End longitude	E17547.52	E17539.29
Gear depth (m)	93	182
Duration (h)	0.30	0.24
Distance fished (km)	1.48	1.21
Performance	0	0
Gear	172	172
Atka mackerel	2,239.46	56.40
Pacific cod	0.00	0.00
Walleye pollock	21.50	22.70
Pacific ocean perch	171.95	2,072.14
Northern rockfish	2,469.41	2.01
Shortraker rockfish	0.00	0.00
Rougheye rockfish	0.00	0.00
Shortspine thornyhead	0.00	0.00
Light dusky rockfish	5.20	0.00
Other rockfish	0.00	0.00
Sablefish	0.00	0.00
Arrowtooth flounder	0.00	16.90
Pacific halibut	0.00	0.00
Rock sole	42.80	0.00
Northern rock sole	0.00	0.00
Greenland turbot	0.00	0.00
Flathead sole	0.73	3.18
Rex sole	8.00	0.00
Dover sole	0.00	0.00
Yellowfin sole	0.00	0.00
Other flatfish	0.00	1.42
Skates	0.21	47.30
Sharks	0.00	0.00
Sculpin	17.57	9.48
Broad snow crab	0.00	0.00
True tanner crab	0.00	0.00
Red king crab	0.00	0.00
Golden king crab	0.00	0.00
Northern pink shrimp	0.00	0.00
Chlamys species	0.00	0.00
Red squid	0.00	0.00
Total catch	5,159.62	2,339.79

Section 2

Fishing Log for the F/V *Dominator*

- Station charts of haul numbers plotted adjacent to their respective geographical positions

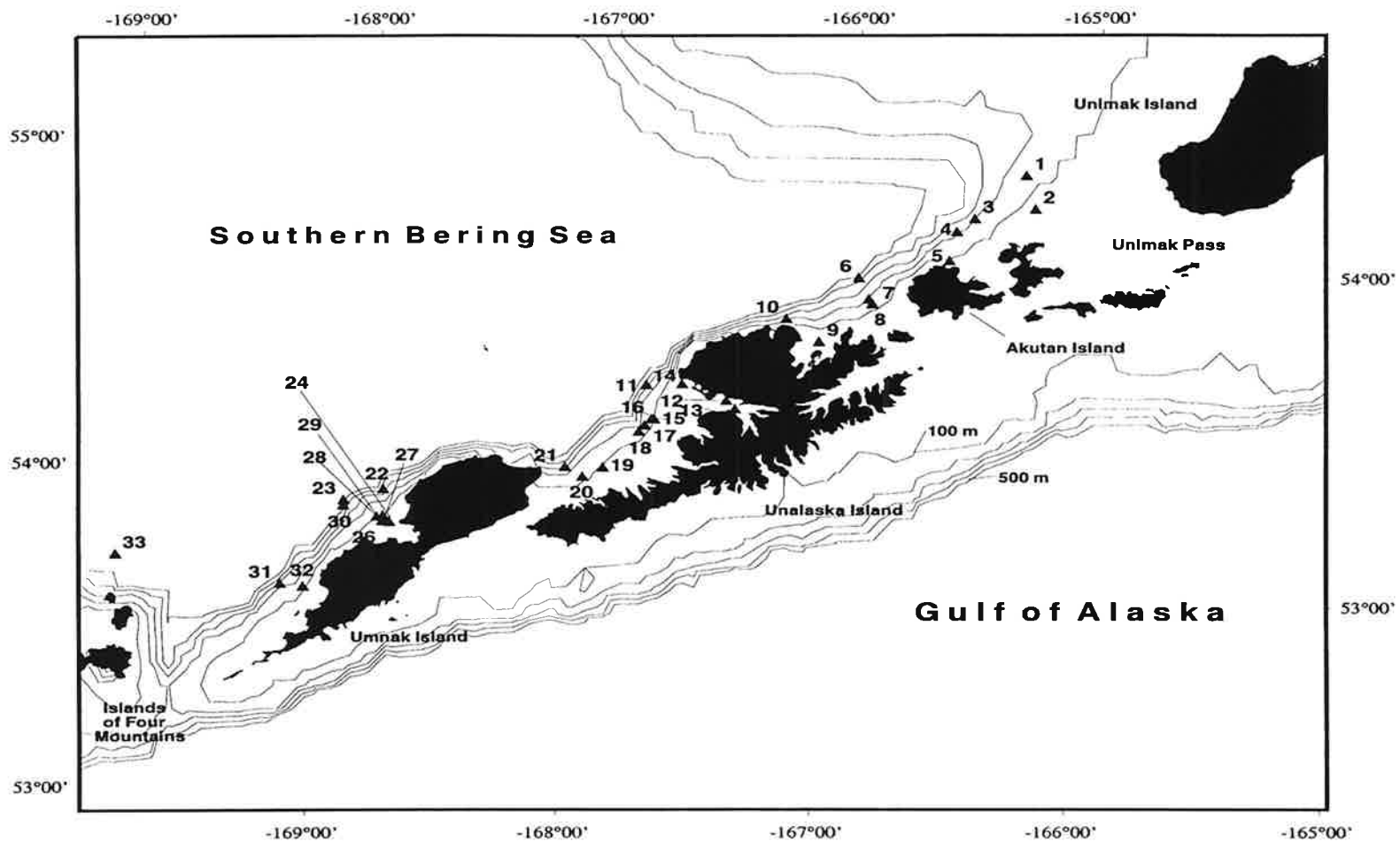


Figure 7.--Stations surveyed by the chartered trawler F/V *Dominator* from Unimak Island to The Islands of Four Mountains (hauls 1-24, 26-33).

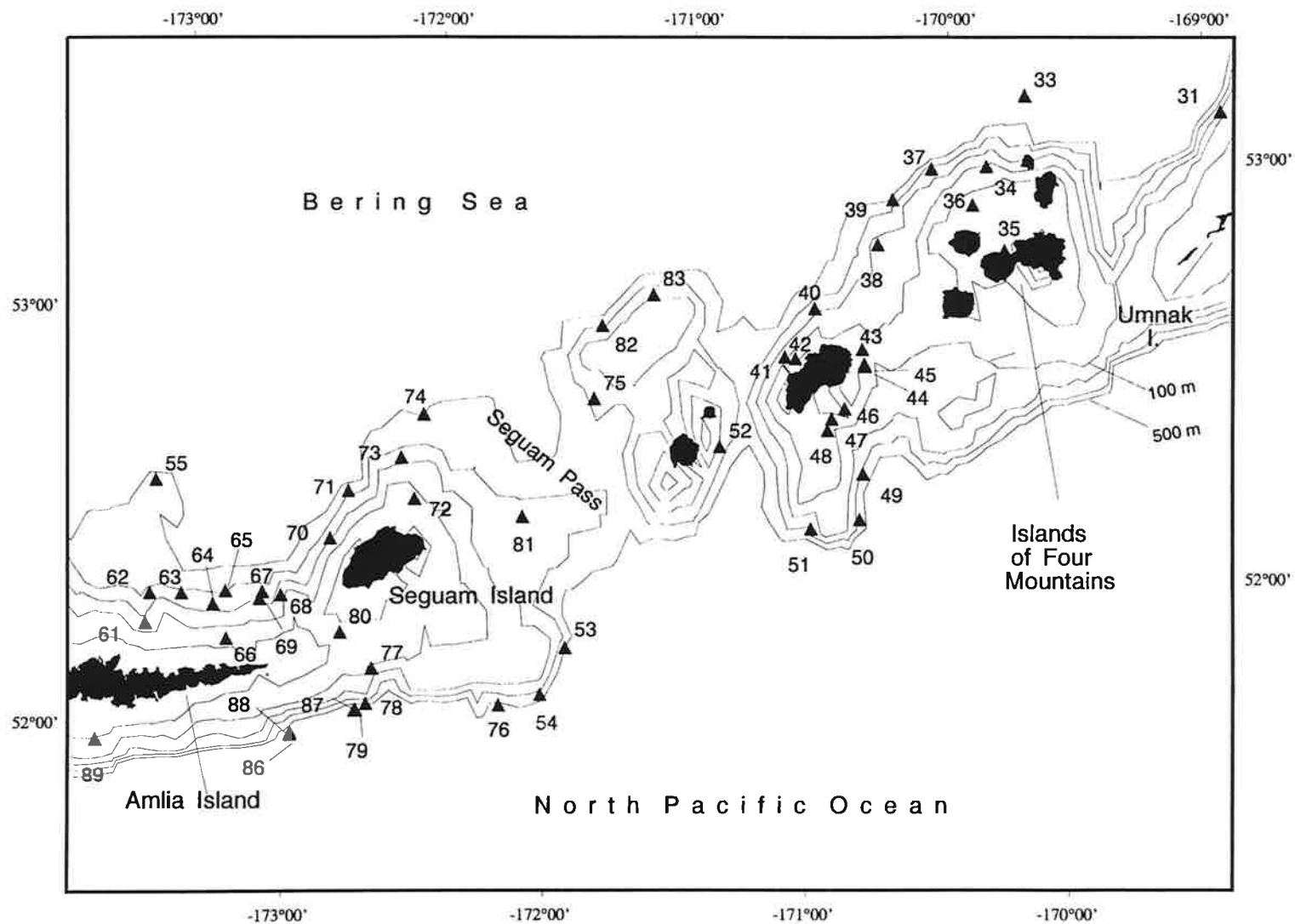


Figure 8.--Stations surveyed by the chartered trawler F/V *Dominator* from the Islands of Four Mountains to Amlia Island (hauls 31-55, 61-83 86-89).

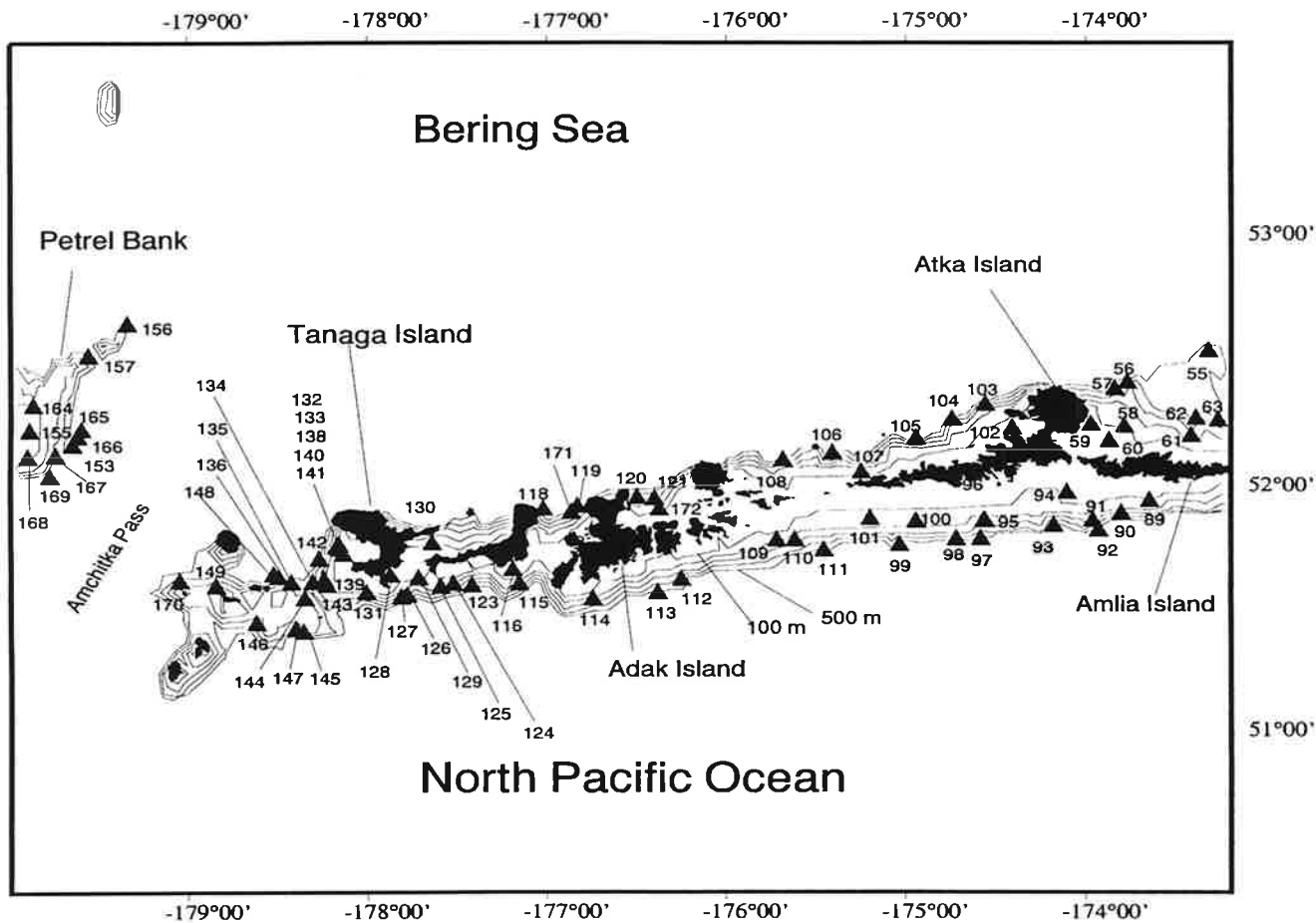


Figure 9.--Stations surveyed by the chartered trawler F/V *Dominator* from Amlia Island to Petrel Bank (hauls 55-63, 89-116, 118-121, 123-136, 138-149, 153, 155-157, 164-172) .

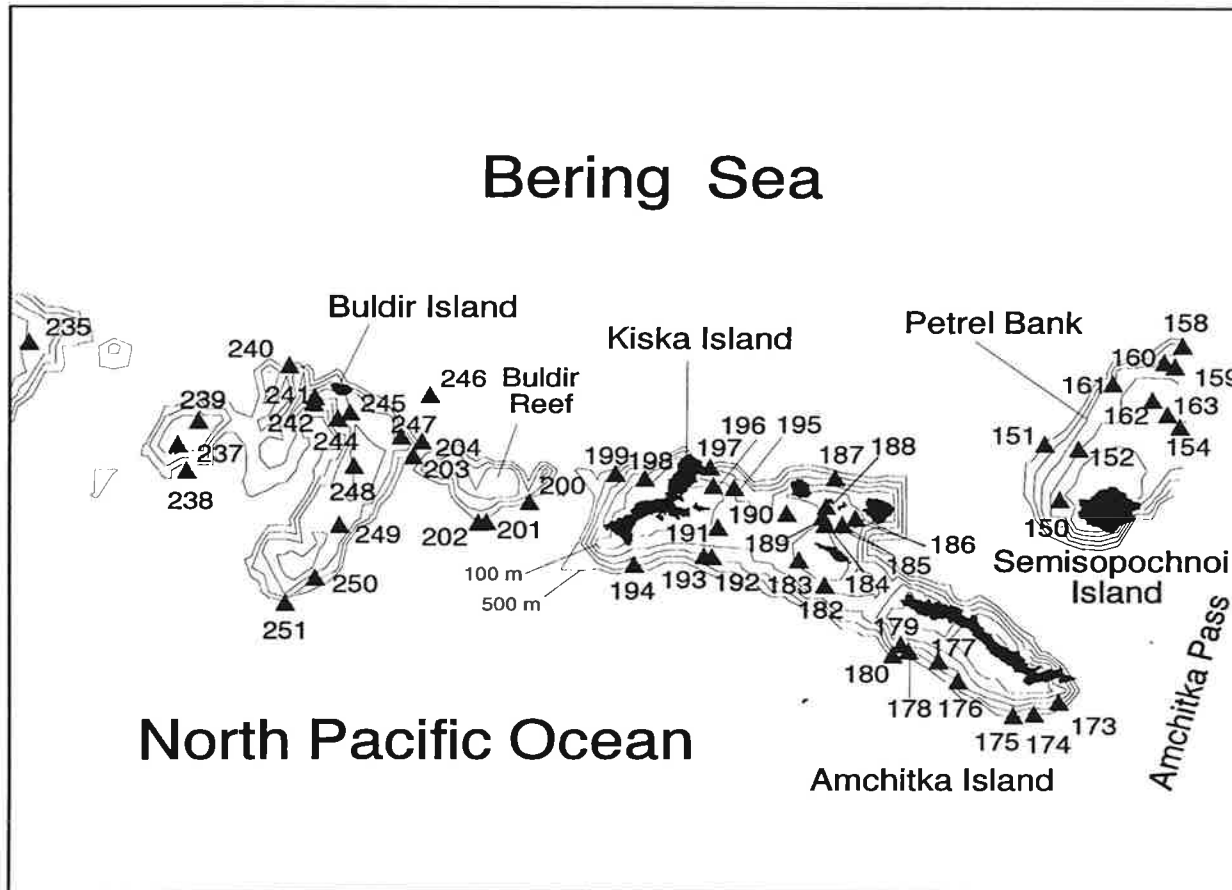


Figure 10.--Stations surveyed by the chartered trawler F/V *Dominator* from Semisopochnoi Island to Buldir Island (hauls 150-152, 154, 158-163, 173-180, 182-204, 235, 237-242, 244-251).

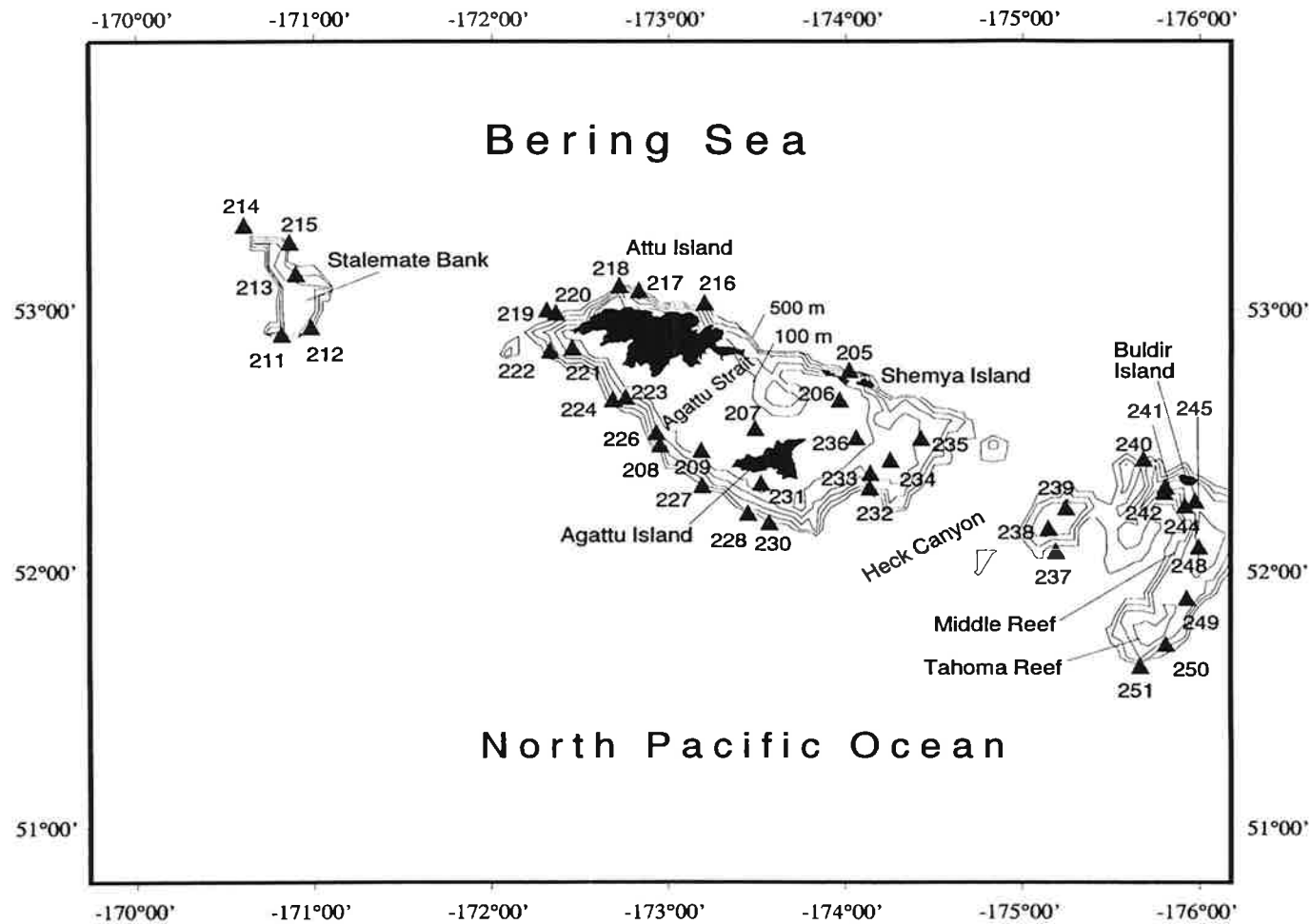


Figure 11.--Stations surveyed by the chartered trawler F/V *Dominator* from Buldir Island to Stalemate Bank (hauls 205-209, 211-224, 226-228, 230-242, 244-245, 248-251).

Section 2 (continued)

Fishing Log for the F/V *Dominator*

- **Summary listings of species catches by haul**
 - **Haul start and end latitude and longitude in degrees, minutes and decimal minutes
(E indicates east longitude, default is W)**
 - **Bottom depth in meters**
 - **Duration of tow in hundredths of an hour**
 - **Distance fished in kilometers**
 - **Catch weight in kilograms of principal species**
 - **Total catch weight in kilograms of all species**

Catch of selected species and species groups by haul for the F/V Dominator during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Start date & hour	6/10/97 8	6/10/97 14	6/10/97 16	6/10/97 18	6/11/97 7	6/11/97 10	6/11/97 13	6/12/97 7	6/12/97 9	6/12/97 12	6/12/97 14	6/12/97 16	6/12/97 18	6/13/97 7
Start latitude	5453.53	5444.42	5438.76	5430.74	5439.75	5432.81	5422.64	5412.30	5414.39	5412.95	5409.59	5406.42	5405.15	5337.95
Start longitude	16522.39	16512.74	16514.59	16518.23	16533.35	16550.96	16536.48	16544.75	16546.99	16602.41	16617.15	16620.66	16620.63	16726.93
End latitude	5453.44	5443.68	5439.59	5429.85	5438.88	5432.10	5423.24	5413.05	5413.53	5413.57	5409.94	5406.80	5405.45	5338.67
End longitude	16520.87	16513.36	16514.17	16518.80	16533.64	16550.18	16535.77	16545.47	16546.96	16601.40	16615.76	16619.46	16621.97	16726.27
Gear depth (m)	134	126	93	140	292	444	90	97	86	77	148	97	92	97
Duration (h)	0.30	0.28	0.29	0.32	0.31	0.29	0.29	0.30	0.30	0.30	0.32	0.28	0.29	0.29
Distance fished (km)	1.64	1.53	1.61	1.79	1.66	1.58	1.38	1.63	1.62	1.60	1.65	1.50	1.59	1.54
Performance	0	0	0	0	0	0	4.4	0	0	0	0	0	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.00	2.90	2.90	0.00	0.00	14,647.26	0.00	0.00	54.10	1.95	180.20	4.40	0.00
Pacific cod	16.20	46.90	5.50	5.80	0.00	0.00	417.30	88.10	52.60	15.90	7.60	18.50	25.20	0.00
Walleye pollock	327.20	204.10	15.60	7.00	38.00	17.80	5,823.73	275.80	96.00	0.02	198.60	3.60	0.00	0.00
Pacific ocean perch	0.00	0.00	0.00	1.43	6.20	1.91	0.74	0.10	0.00	0.00	0.84	0.00	0.00	0.00
Northern rockfish	0.00	0.00	0.00	0.00	0.00	0.00	1.52	0.67	0.00	0.00	0.00	0.00	0.00	0.00
Shortraker rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rougeye rockfish	0.00	0.00	0.00	0.00	1.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	7.71	1.17	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	33.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	84.80	51.00	49.50	248.50	391.60	70.20	0.00	60.70	54.00	41.80	120.25	120.90	270.40	2.50
Pacific halibut	4.20	11.27	9.45	30.59	0.00	0.00	223.43	72.00	36.71	55.34	2.51	63.70	41.10	80.28
Rock sole	36.60	19.00	9.60	20.60	0.00	0.00	0.64	0.00	5.50	71.40	32.40	26.80	19.04	12.90
Northern rock sole	0.00	0.00	0.00	0.00	3.50	59.70	0.00	0.00	0.00	0.00	2.76	0.00	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	235.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	19.90	16.50	22.40	127.20	2.40	39.40	2.60	20.00	5.60	0.00	8.95	7.80	19.93	0.00
Rex sole	4.90	0.80	0.00	0.00	30.10	2.20	0.00	2.55	1.51	0.00	15.35	0.00	1.20	0.92
Dover sole	0.00	0.00	0.00	0.00	0.00	4.20	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Broad snow crab	0.23	0.08	0.00	0.27	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.03	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	0.03	0.00	0.00	0.01	0.04	1.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlamys species	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00
Red squid	0.00	0.24	0.00	0.00	1.67	4.66	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00
Total catch	513.79	370.08	120.61	448.54	487.66	486.64	21,301.00	547.05	294.14	360.56	438.61	439.72	412.39	138.23

Catch of selected species and species groups by haul for the F/V Dominator during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Start date & hour	6/13/97 9	6/13/97 13	6/13/97 15	6/13/97 17	6/14/97 7	6/14/97 9	6/14/97 14	6/14/97 16	6/15/97 7	6/15/97 9	6/15/97 11	6/15/97 14	6/15/97 18	6/15/97 20
Start latitude	5339.18	5339.42	5346.50	5346.15	5344.76	5341.89	5335.53	5332.22	5326.40	5324.02	5322.88	5304.89	5256.66	5253.98
Start longitude	16727.59	16717.74	16716.25	16704.30	16659.83	16646.24	16722.44	16735.38	16829.66	16835.34	16839.35	16849.91	16919.25	16930.32
End latitude	5338.49	5340.19	5347.17	5345.41	5344.77	5342.11	5334.66	5332.98	5325.70	5323.31	5323.10	5304.20	5256.02	5254.79
End longitude	16728.49	16718.34	16715.58	16703.59	16658.56	16647.50	16722.22	16734.64	16830.45	16835.84	16840.78	16850.68	16920.43	16930.37
Gear depth (m)	115	94	167	67	191	95	109	91	91	110	174	71	411	250
Duration (h)	0.31	0.29	0.26	0.31	0.27	0.29	0.30	0.30	0.30	0.29	0.31	0.29	0.36	0.29
Distance fished (km)	1.62	1.58	1.47	1.62	1.41	1.60	1.66	1.65	1.58	1.47	1.67	1.54	1.79	1.52
Performance	0	0	0	0	0	0	0	0	0	0	0	0	0	-2.4
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pacific cod	25.40	0.00	0.60	13.20	10.10	18.20	31.50	3.40	33.90	0.00	35.20	0.00	0.00	66.80
Walleye pollock	0.90	0.00	2,148.40	14.10	14.10	568.60	2.64	0.82	0.18	0.16	0.00	0.00	3.30	1.40
Pacific ocean perch	0.00	0.00	1.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.60
Northern rockfish	30.30	0.00	1.58	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69
Shortraker rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rougheye rockfish	0.00	0.00	0.00	0.00	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	23.10
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light dusky rockfish	8.10	0.00	1.30	0.00	0.97	1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	2.89	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	295.00	86.00	117.89	14.20	59.90	77.20	139.30	4.40	5.20	0.33	360.20	0.00	42.48	4.00
Pacific halibut	19.87	111.12	34.27	64.58	0.00	30.23	10.72	91.91	54.75	33.66	64.11	26.88	0.00	0.00
Rock sole	46.00	5.30	0.00	10.30	0.00	0.41	9.21	15.00	10.60	6.60	0.67	5.10	0.00	0.81
Northern rock sole	0.00	0.00	0.00	0.00	2.20	0.00	0.00	0.00	0.00	0.00	0.83	0.00	23.60	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.02	0.00
Flathead sole	43.50	5.60	5.80	0.70	192.20	457.60	34.40	10.70	0.00	0.00	0.00	0.00	0.00	0.00
Rex sole	4.90	0.00	10.70	0.00	16.90	0.00	7.50	12.50	0.00	0.00	2.20	0.00	1.50	0.00
Dover sole	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Broad snow crab	0.00	0.00	0.28	0.00	3.42	1.78	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.90
Northern pink shrimp	0.01	0.00	0.98	0.02	1.62	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.01
Chlamys species	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red squid	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.90	3.50
Total catch	536.67	253.56	2,326.48	245.01	352.54	1,199.97	248.27	178.14	124.32	68.64	505.07	37.78	166.05	296.75

Catch of selected species and species groups by haul for the F/V *Dominator* during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	29	30	31	32	33	34	35	36	37	38	39	40	41	42
Start date & hour	6/16/97 8	6/16/97 10	6/16/97 13	6/16/97 15	6/17/97 7	6/17/97 9	6/17/97 12	6/17/97 16	6/17/97 19	6/18/97 7	6/18/97 10	6/18/97 13	6/18/97 15	6/18/97 18
Start latitude	5254.64	5258.80	5306.86	5307.48	5305.22	5258.53	5249.66	5239.03	5232.56	5234.23	5224.26	5216.44	5220.59	5222.07
Start longitude	16952.24	16953.13	16954.14	16954.51	17007.15	17023.32	17033.98	17013.78	17032.39	17039.86	17037.24	17040.12	17043.24	17114.79
End latitude	5253.85	5257.96	5306.96	5307.33	5304.88	5259.26	5250.14	5238.87	5232.01	5234.54	5223.30	5216.58	5220.52	5221.81
End longitude	16952.85	16953.74	16955.45	16955.66	17008.22	17022.84	17033.07	17012.74	17033.29	17038.61	17037.57	17038.93	17042.03	17115.98
Gear depth (m)	113	130	229	264	182	227	346	238	221	96	323	170	236	316
Duration (h)	0.33	0.32	0.27	0.29	0.28	0.27	0.25	0.26	0.27	0.29	0.34	0.29	0.27	0.27
Distance fished (km)	1.65	1.75	1.49	1.32	1.38	1.49	1.37	1.22	1.46	1.54	1.83	1.44	1.40	1.45
Performance	0	0	0	1.11	0	0	0	5.1	0	0	0	0	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00
Pacific cod	0.00	0.00	2.70	69.30	34.30	6.60	0.00	47.80	30.10	0.00	0.00	0.00	7.90	0.00
Walleye pollock	0.00	1.14	0.25	1.24	0.00	0.00	21.40	6.10	0.00	0.27	20.60	0.13	0.00	36.90
Pacific ocean perch	0.00	0.00	0.54	449.50	0.96	161.70	34.20	9.50	1.19	37.90	15.20	1.42	36.90	78.26
Northern rockfish	0.00	0.00	0.00	0.55	21.50	0.00	0.59	0.00	0.00	0.33	0.60	0.00	0.00	0.74
Shortraker rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rougheye rockfish	0.00	0.00	0.00	1.90	0.00	0.00	2.17	0.52	0.00	0.00	0.00	0.00	1.53	0.00
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	0.00	3.20	0.00	0.00	0.00	1.38	0.00	0.00	0.00
Arrowtooth flounder	0.00	0.00	58.30	10.50	0.00	1.90	127.00	1.11	1.62	0.00	15.20	1.76	387.20	11.60
Pacific halibut	106.59	137.24	6.28	20.12	3.24	0.00	0.00	0.00	11.62	24.37	0.00	68.49	0.00	0.00
Rock sole	0.00	0.16	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00
Northern rock sole	0.00	0.00	0.00	0.00	0.00	0.00	373.70	0.00	0.00	0.00	7.40	0.00	0.00	11.90
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	192.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rex sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skates	0.00	0.00	0.00	0.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.90	1.42	0.00	0.00	0.00	0.00	0.00	0.00	1.70	4.07	0.00	2.26
Northern pink shrimp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
Chlamys species	0.11	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red squid	0.00	0.00	0.00	0.00	0.00	0.00	4.11	1.38	0.00	0.00	0.00	0.41	0.00	9.00
Total catch	145.75	234.61	112.20	592.75	266.93	194.15	774.11	82.85	51.50	406.22	95.34	125.15	481.30	292.60

Catch of selected species and species groups by haul for the F/V Dominator during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	43	44	45	46	47	48	49	50	51	52	53	54	55	56
Start date & hour	6/19/97 7	6/19/97 8	6/19/97 12	6/19/97 15	6/20/97 12	6/20/97 13	6/20/97 14	6/20/97 19	6/21/97 7	6/21/97 10	6/21/97 12	6/21/97 14	6/21/97 17	6/22/97 7
Start latitude	5228.44	5228.67	5229.16	5232.38	5244.65	5243.33	5243.46	5228.40	5217.67	5216.13	5214.95	5214.53	5216.46	5210.09
Start longitude	17039.24	17038.48	17008.81	17004.58	17039.73	17046.23	17045.92	17033.26	17305.71	17310.89	17303.95	17257.18	17255.90	17301.85
End latitude	5228.50	5228.64	5228.34	5232.71	5244.83	5243.58	5243.87	5227.91	5217.53	5216.13	5214.96	5214.90	5216.52	5209.41
End longitude	17038.65	17040.04	17008.72	17005.84	17038.36	17045.52	17044.86	17034.24	17307.63	17312.31	17305.30	17258.44	17257.35	17301.15
Gear depth (m)	287	283	193	240	173	277	273	319	414	254	141	143	291	93
Duration (h)	0.20	0.34	0.28	0.29	0.32	0.24	0.27	0.26	0.41	0.31	0.29	0.31	0.30	0.30
Distance fished (km)	0.68	1.78	1.53	1.57	1.59	0.93	1.42	1.45	2.20	1.64	1.55	1.61	1.67	1.53
Performance	-5.7	1.11	0	0	0	-3.13	0	5.1	0	0	0	0	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28
Pacific cod	0.00	12.50	0.00	53.60	0.00	186.60	326.20	0.00	0.00	40.10	2.90	166.00	7.00	95.40
Walleye pollock	0.00	1.83	0.00	0.00	0.00	0.00	1.04	3.32	4.40	243.20	0.98	0.00	429.00	0.00
Pacific ocean perch	0.00	0.00	0.21	0.00	0.00	3.60	7.10	0.80	0.00	140.60	3.20	0.00	648.90	1.11
Northern rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00
Shortraker rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.43	0.00	0.00	0.00	0.00	0.00
Rougheye rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.90	0.00	0.00	0.00	6.70	0.00
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.40	0.00	0.00	0.00	142.20	0.00
Arrowtooth flounder	0.00	0.93	1.70	341.90	0.00	0.00	15.19	1.13	8.90	76.50	5.70	1.60	106.68	0.09
Pacific halibut	0.00	130.13	130.45	45.79	100.51	0.00	7.35	0.00	0.00	0.00	18.73	47.59	0.00	17.15
Rock sole	2.53	2.39	0.00	12.30	0.00	0.00	1.01	0.00	0.00	6.90	20.50	36.40	0.65	42.90
Northern rock sole	0.00	0.00	0.00	0.00	0.00	0.00	1.39	0.00	6.70	11.80	1.30	0.00	41.76	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.70	0.00	0.00	0.00	0.00	0.00
Flathead sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.48	0.00
Rex sole	0.00	0.00	0.00	0.80	0.00	0.00	0.00	0.00	9.90	6.00	0.00	0.00	13.40	0.00
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	1.59	0.00	8.80	0.07	0.00	2.88	0.00	4.73	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.01	0.00	0.18	0.00
Chlamys species	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red squid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.61	2.00	0.00	0.00	0.00	0.00
Total catch	3.96	206.66	261.08	473.09	187.12	229.07	421.54	11.44	289.34	537.48	63.27	262.78	1,428.86	259.96

Catch of selected species and species groups by haul for the F/V Dominator during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	57	58	59	60	61	62	63	64	65	66	67	68	69	70
Start date & hour	6/22/97 10	6/22/97 13	6/22/97 15	6/22/97 16	6/22/97 18	6/23/97 7	6/23/97 10	6/23/97 14	6/23/97 16	6/23/97 19	6/24/97 7	6/24/97 9	6/24/97 11	6/24/97 13
Start latitude	5212.37	5219.10	5223.54	5224.85	5226.22	5230.33	5231.34	5218.69	5216.08	5219.14	5213.19	5217.92	5220.22	5226.15
Start longitude	17249.50	17244.72	17236.97	17229.95	17224.98	17332.39	17328.44	17338.34	17339.93	17349.82	17402.33	17357.41	17356.88	17344.67
End latitude	5212.87	5219.98	5224.29	5224.73	5225.77	5230.18	5230.82	5219.08	5215.54	5218.27	5213.91	5217.18	5221.04	5226.37
End longitude	17250.47	17244.88	17236.52	17231.31	17223.44	17333.66	17329.48	17339.59	17340.94	17349.71	17401.45	17358.04	17356.99	17346.28
Gear depth (m)	171	455	121	88	151	249	228	413	147	116	81	81	93	256
Duration (h)	0.27	0.32	0.28	0.30	0.37	0.27	0.27	0.32	0.29	0.30	0.32	0.29	0.30	0.35
Distance fished (km)	1.46	1.66	1.50	1.57	1.96	1.47	1.52	1.62	1.62	1.62	1.69	1.55	1.57	1.90
Performance	0	6.21	0	0	1.11	0	0	0	0	0	0	0	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	803.78	1.16	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	4.10	0.00	0.00	0.00
Pacific cod	1,186.50	0.00	168.40	6.90	119.30	2.70	2.80	0.00	20.90	1.40	8.60	15.10	13.00	66.60
Walleye pollock	1.18	8.60	0.00	0.00	0.00	2.29	0.50	0.96	19.00	1.92	0.27	1.30	7.20	79.00
Pacific ocean perch	0.00	0.00	0.00	0.00	0.18	5,718.96	886.38	0.00	654.70	0.00	0.05	0.00	0.08	5,789.86
Northern rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.76	0.00	0.06	0.00	0.48	0.00
Shortraker rockfish	0.00	16.43	0.00	0.00	0.00	0.00	0.00	231.10	0.00	0.00	0.00	0.00	0.00	0.00
Rougheye rockfish	0.00	5.30	0.00	0.00	0.00	1.83	1.14	5.80	0.00	0.00	0.00	0.00	0.00	0.00
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	12.50	0.00	0.00	0.00	0.00	0.00	4.30	0.00	0.00	0.00	0.00	0.00	1.60
Arrowtooth flounder	0.00	0.87	0.00	0.00	0.11	15.30	95.20	0.00	15.36	13.20	209.30	109.60	28.90	34.50
Pacific halibut	148.32	37.00	127.61	27.13	0.00	0.00	0.00	0.00	22.97	2.38	8.51	0.00	0.00	0.00
Rock sole	38.20	0.00	21.90	124.80	8.30	0.00	0.00	0.00	1.53	0.00	7.80	191.30	12.90	0.60
Northern rock sole	0.00	9.90	0.00	0.00	0.00	19.70	22.00	12.90	1.26	3.40	10.20	0.00	12.80	34.00
Greenland turbot	0.00	1,607.20	0.00	0.00	0.00	0.00	0.00	244.92	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.00	7.70	0.00	0.00	6.60	0.00	5.40
Rex sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.30	1.63	0.00	0.00	3.55	0.00	5.00
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	3.33	0.00	0.00	0.00	2.03	8.88	6.57	0.00	0.00	0.00	0.00	0.00	1.00
Northern pink shrimp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.77	0.68	3.17	0.00	0.23	0.00
Chlamys species	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
Red squid	0.00	4.49	0.46	0.00	0.00	0.36	0.00	1.10	0.40	0.57	0.00	0.00	0.00	0.00
Total catch	2,270.00	1,827.82	355.03	207.34	227.46	5,783.57	1,186.00	542.64	753.87	26.94	371.87	338.18	132.38	6,020.21

Catch of selected species and species groups by haul for the F/V Dominator during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	71	72	73	74	75	76	77	78	79	80	81	82	83	84
Start date & hour	6/25/97 7	6/25/97 11	6/25/97 13	6/25/97 15	6/25/97 18	6/26/97 7	6/26/97 9	6/26/97 12	6/26/97 16	6/26/97 19	6/27/97 8	6/27/97 11	6/27/97 13	6/27/97 17
Start latitude	5217.23	5208.13	5208.13	5208.76	5214.61	5232.14	5231.22	5231.82	5227.63	5222.81	5212.64	5202.28	5205.45	5207.96
Start longitude	17441.06	17504.52	17507.24	17516.72	17448.79	17219.78	17215.98	17206.62	17211.26	17149.51	17212.41	17215.22	17226.02	17227.44
End latitude	5216.86	5208.11	5207.82	5208.34	5214.12	5232.82	5230.36	5231.59	5228.17	5223.60	5213.12	5201.51	5205.90	5208.45
End longitude	17442.23	17503.08	17508.44	17517.85	17449.88	17220.60	17215.90	17205.38	17212.08	17149.81	17213.18	17214.83	17225.04	17226.44
Gear depth (m)	128	94	107	219	143	212	225	364	236	278	357	175	166	168
Duration (h)	0.29	0.30	0.28	0.28	0.28	0.28	0.30	0.27	0.26	0.30	0.28	0.28	0.28	0.27
Distance fished (km)	1.51	1.65	1.53	1.52	1.55	1.58	1.62	1.52	1.40	1.52	1.28	1.52	1.42	1.47
Performance	0	0	0	4.1	0	0	0	0	0	0	6.4	0	1.11	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.97	2.90	0.00
Pacific cod	6.20	0.00	2.23	49.30	24.10	101.00	121.80	0.00	54.20	10.80	5.80	12.20	174.50	0.00
Walleye pollock	0.00	0.00	0.19	34.00	1.02	28.90	3.10	1.54	0.00	620.20	177.70	0.00	0.00	0.00
Pacific ocean perch	0.15	0.00	0.50	314.50	0.00	316.20	136.60	1.80	124.80	41.60	1.32	0.00	101.23	0.08
Northern rockfish	0.19	0.09	0.09	0.32	0.00	20.00	1.09	0.00	0.00	0.00	0.00	0.00	14.17	0.68
Shortraker rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00	0.00	3.90	0.00	0.00	0.00
Rougheye rockfish	0.00	0.00	0.00	0.00	0.00	1.08	0.00	6.00	0.00	0.00	4.10	0.00	0.00	0.00
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	36.30	13.90	56.58	3.10	33.20	7.60	0.00	0.00	0.00	2.90	30.30	0.00	0.00	0.00
Pacific halibut	5.50	1.79	7.34	0.00	16.12	42.29	42.29	0.00	0.00	0.00	86.51	92.93	92.49	93.41
Rock sole	31.90	9.90	21.50	4.50	10.50	0.00	3.50	0.00	12.20	0.00	9.00	2.67	3.40	1.61
Northern rock sole	4.90	0.60	2.22	1.27	7.62	0.00	0.00	421.80	0.00	3.10	15.40	0.00	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.20	0.00	0.00	7.60	0.00	0.00	0.00
Flathead sole	0.90	0.00	0.00	0.00	5.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rex sole	0.00	0.00	0.00	0.20	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dover sole	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Broad snow crab	0.12	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	3.65	1.04	2.64	0.00	4.40	3.65	0.00	0.00	0.00
Northern pink shrlmp	0.00	0.00	0.00	0.00	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlamys species	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red squid	0.57	0.00	0.00	2.94	0.00	0.00	0.00	0.68	0.00	0.00	2.12	0.00	0.00	0.00
Total catch	155.56	49.28	112.39	459.00	107.39	701.45	429.58	697.63	215.90	704.50	474.29	135.01	790.28	267.27

Catch of selected species and species groups by haul for the F/V Dominator during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	85	86	87	88	89	90	91	92	94	95	96	97	98	99
Start date & hour	6/27/97 19	6/28/97 8	6/28/97 11	6/28/97 15	6/28/97 17	6/29/97 14	7/3/97 15	7/4/97 7	7/5/97 11	7/5/97 14	7/5/97 16	7/5/97 19	7/6/97 7	7/6/97 10
Start latitude	5210.88	5244.66	5247.84	5248.62	5249.02	5411.76	5208.79	5200.11	5157.82	5154.40	5154.32	5150.44	5150.71	5151.73
Start longitude	17227.85	17145.04	17133.32	17131.36	17121.70	16616.41	17200.74	17239.94	17350.56	17343.87	17344.14	17355.78	17355.61	17403.32
End latitude	5210.51	5245.35	5247.32	5248.22	5249.27	5411.96	5208.74	5159.66	5157.92	5154.48	5154.41	5150.45	5150.71	5151.78
End longitude	17226.77	17145.47	17134.15	17132.38	17122.86	16615.38	17159.72	17240.25	17351.83	17342.50	17342.89	17354.98	17354.28	17401.95
Gear depth (m)	189	327	216	211	168	284	262	119	89	136	137	317	255	149
Duration (h)	0.28	0.28	0.27	0.27	0.26	0.21	0.26	0.13	0.29	0.29	0.29	0.27	0.28	0.30
Distance fished (km)	1.42	1.45	1.38	1.42	1.47	1.19	1.27	0.91	1.50	1.57	1.45	0.93	1.54	1.59
Performance	0	2.1	-2.4	0	0	0	0	-1.12	0	-3.13	0	-6.4	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,251.60	1.30	0.00	0.00	0.00	0.00	0.00
Pacific cod	14.00	15.30	0.00	0.00	0.04	2.17	11.20	482.90	14.00	1.80	0.00	12.90	14.30	7.60
Walleye pollock	0.00	0.00	0.00	0.00	0.00	501.50	0.00	0.00	0.00	0.09	0.04	7.00	53.30	0.00
Pacific ocean perch	0.00	173.30	2.00	2.09	0.16	185.30	0.00	1.20	0.00	0.19	0.00	29.90	1,916.34	3.63
Northern rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.20	6.50	4.80	0.00	0.00	0.48	0.35
Shortraker rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.30	33.40	0.00
Rougheye rockfish	0.00	3.45	0.00	0.00	0.00	5.46	0.00	0.00	0.00	0.00	0.00	16.80	1.85	0.00
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.70	1.25	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.10	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	6.80	0.00	0.00	0.00	0.00	0.00	15.10	0.00	0.00
Arrowtooth flounder	0.00	6.40	0.00	0.00	0.00	43.30	9.65	0.00	0.00	0.10	0.00	5.20	0.35	1.50
Pacific halibut	4.69	0.00	4.00	97.92	44.25	21.70	32.77	32.07	5.33	31.85	18.65	0.00	11.65	51.67
Rock sole	0.00	0.00	0.00	0.00	0.00	0.00	5.80	0.00	1.90	0.00	0.00	0.00	0.00	0.00
Northern rock sole	0.00	6.70	0.00	0.00	0.00	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	0.00	0.00	0.00	0.00	0.00	2.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rex sole	0.00	0.00	0.00	0.00	0.00	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.50	2.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
Northern pink shrimp	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Chlamys species	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	2.38	0.83	0.03	0.00	0.03
Red squid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total catch	40.79	365.26	15.70	242.58	104.03	860.26	72.82	4,447.79	545.53	136.83	85.09	148.71	2,060.00	120.37

Catch of selected species and species groups by haul for the F/V Dominator during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	100	101	102	103	104	105	106	108	109	110	111	112	113	114	115
Start date & hour	7/6/97 13	7/6/97 14	7/6/97 19	7/7/97 9	7/7/97 13	7/7/97 15	7/7/97 16	7/7/97 20	7/8/97 8	7/8/97 10	7/8/97 12	7/8/97 14	7/8/97 16	7/8/97 18	7/9/97 8
Start latitude	5159.38	5157.96	5150.59	5148.82	5149.25	5148.96	5151.05	5148.49	5142.29	5142.59	5150.51	5150.42	5155.74	5157.46	5203.20
Start longitude	17405.68	17417.96	17435.59	17426.32	17443.30	17458.49	17506.47	17514.29	17533.56	17538.86	17543.03	17543.15	17539.92	17516.30	17528.25
End latitude	5200.18	5157.84	5150.65	5149.29	5149.24	5148.94	5151.04	5148.58	5142.44	5142.61	5150.60	5150.56	5155.95	5157.37	5203.69
End longitude	17405.19	17416.56	17434.21	17425.00	17441.88	17457.19	17504.94	17513.01	17532.25	17537.61	17541.69	17541.83	17538.18	17515.04	17527.01
Gear depth (m)	95	111	195	325	251	261	180	243	407	343	146	147	96	95	89
Duration (h)	0.29	0.30	0.29	0.33	0.28	0.28	0.31	0.29	0.33	0.28	0.28	0.28	0.41	0.28	0.30
Distance fished (km)	1.60	1.62	1.60	1.77	1.64	1.52	1.75	1.48	1.55	1.46	1.55	1.54	2.14	1.47	1.69
Performance	0	0	0	0	0	0	0	0	1.11	-2.4	-3.1	0	0	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.70	906.10	0.35
Pacific cod	9.10	0.00	3.60	5.00	5.60	1.20	8.10	6.00	0.00	1.59	18.30	7.20	10.20	14.20	0.09
Walleye pollock	0.00	0.06	0.00	6.70	0.00	9.20	1.45	154.90	1.36	7.10	0.70	3.58	0.03	0.00	0.15
Pacific ocean perch	0.00	0.49	290.40	5.15	224.80	97.60	3,762.22	411.50	2.20	1.57	0.00	0.00	0.01	0.00	0.00
Northern rockfish	0.00	0.00	2.80	0.00	3.60	0.26	324.94	0.96	0.00	0.00	0.00	0.00	0.23	0.00	0.02
Shortraker rockfish	0.00	0.00	0.00	34.70	0.00	0.00	0.00	0.00	45.20	41.00	0.00	0.00	0.00	0.00	0.00
Rougheye rockfish	0.00	0.00	0.00	275.40	6.00	0.00	0.00	0.00	13.40	45.20	0.00	0.00	0.00	0.00	0.00
Shortspine thornyhead	0.00	0.00	0.00	62.80	0.00	1.53	0.00	0.00	1.94	2.81	0.00	0.00	0.00	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	2.86	1.20	0.00	0.00	2.97	4.30	0.00	0.00	0.00	0.00	0.31
Arrowtooth flounder	0.00	3.60	143.70	0.00	98.00	144.00	2.90	63.00	3.90	11.81	28.80	64.30	0.00	0.00	0.00
Pacific halibut	25.84	25.61	31.86	0.00	0.00	12.44	18.64	0.00	0.00	0.00	4.10	9.19	0.00	1.59	69.67
Rock sole	8.80	28.10	12.30	0.00	8.20	15.60	12.20	13.20	0.00	0.00	9.90	7.40	9.70	2.11	13.00
Northern rock sole	0.00	0.00	0.97	0.00	0.38	0.44	0.00	0.00	0.00	1.95	0.00	0.00	0.00	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	0.00	0.29	0.00	0.00	0.00	0.62	0.00	4.41	0.00	0.80	0.00	0.00	0.00	0.00	0.00
Rex sole	0.00	0.00	0.41	6.00	8.90	30.10	0.00	3.50	1.90	9.30	0.00	0.00	0.00	0.00	0.00
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.20
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Chlamys species	0.00	0.06	5.18	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.08	0.20	0.02	0.00	0.21
Red squid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	0.30	1.06	0.00	0.00	0.00	0.00	0.00
Total catch	46.35	60.64	508.78	581.80	361.72	315.25	4,130.50	662.28	86.80	138.73	73.85	111.85	39.73	937.74	288.39

Catch of selected species and species groups by haul for the F/V Dominator during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	116	117	118	119	120	121	122	123	125	126	127	128	129	130
Start date & hour	7/9/97 9	7/9/97 14	7/9/97 17	7/9/97 20	7/10/97 9	7/10/97 11	7/11/97 8	7/11/97 9	7/11/97 12	7/11/97 14	7/11/97 17	7/11/97 19	7/12/97 13	7/12/97 15
Start latitude	5208.52	5209.38	5210.07	5206.61	5200.62	5153.70	5139.31	5139.24	5136.94	5132.47	5136.64	5138.80	5135.96	5133.69
Start longitude	17516.97	17537.70	17538.07	17553.22	17624.10	17627.62	17622.15	17622.49	17634.97	17637.19	17708.63	17710.11	17735.92	17736.52
End latitude	5208.20	5210.11	5209.10	5205.93	5201.07	5153.78	5139.61	5138.86	5137.27	5132.69	5136.11	5138.36	5136.13	5133.44
End longitude	17518.14	17537.49	17538.20	17553.84	17623.03	17626.31	17620.92	17624.03	17633.82	17635.89	17709.50	17711.29	17734.70	17737.74
Gear depth (m)	219	204	332	96	115	156	156	154	147	379	306	141	238	370
Duration (h)	0.27	0.27	0.44	0.28	0.30	0.29	0.29	0.39	0.27	0.27	0.28	0.31	0.28	0.28
Distance fished (km)	1.48	1.50	1.99	1.46	1.49	1.53	1.53	1.93	1.48	1.55	1.43	1.59	1.45	1.50
Performance	0	0	5.1	0	0	1.11	0	0	0	0	1.11	0	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pacific cod	11.40	73.90	13.00	0.74	14.10	18.70	34.00	111.40	0.00	1.45	6.40	138.60	45.40	0.00
Walleye pollock	68.60	85.30	15.40	0.10	0.00	0.88	1.20	0.31	1.15	1.30	103.70	0.68	4.20	1.20
Pacific ocean perch	389.80	7,924.20	1,385.10	0.21	0.00	3.80	2.05	124.40	0.19	0.00	75.20	1.45	383.00	0.71
Northern rockfish	0.44	2.22	0.00	0.27	0.00	2.21	0.00	6.10	0.00	0.00	0.28	0.00	0.65	0.00
Shortraker rockfish	0.00	0.00	485.50	0.00	0.00	0.00	0.00	0.00	0.00	57.50	198.70	6.30	0.00	72.50
Rougeye rockfish	0.00	0.00	5.40	0.00	0.00	0.00	0.00	3.50	0.00	17.80	12.10	0.00	0.00	44.30
Shortspine thornyhead	0.00	0.00	7.10	0.00	0.00	0.00	0.00	0.00	0.00	6.50	12.50	0.00	0.77	8.40
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	138.00	0.00	0.00	1.57
Arrowtooth flounder	4.60	76.30	22.80	0.16	16.80	13.88	3.10	3.75	1.06	4.00	26.00	0.79	45.50	2.70
Pacific halibut	0.00	74.66	0.00	84.61	162.97	0.00	0.00	38.26	10.54	0.00	12.85	8.70	18.72	0.00
Rock sole	10.10	2.70	3.30	9.50	15.00	0.00	0.00	2.80	0.00	0.00	0.57	0.00	5.80	0.00
Northern rock sole	0.42	0.87	0.00	0.33	0.15	1.86	0.00	0.00	0.00	0.00	7.80	0.00	1.13	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.20	0.00	0.00	0.00
Flathead sole	0.00	0.00	4.60	0.00	0.00	40.48	0.00	0.00	0.00	0.00	0.00	0.00	3.65	0.00
Rex sole	0.00	10.00	14.50	0.00	0.00	0.77	0.00	0.00	0.00	0.00	2.86	0.00	2.50	10.50
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Broad snow crab	0.00	0.00	0.00	0.00	0.00	10.70	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	4.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20
Northern pink shrimp	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlamys species	0.00	0.00	0.00	4.04	15.60	0.87	0.00	0.02	0.01	0.00	0.00	1.01	0.00	0.00
Red squid	1.73	0.17	0.99	0.00	0.00	0.01	0.01	0.00	0.00	0.11	0.00	0.00	0.00	2.91
Total catch	550.15	8,254.63	1,988.91	138.77	258.32	145.80	65.36	370.04	24.19	96.53	647.84	182.43	515.78	178.81

Catch of selected species and species groups by haul for the FV Dominator during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	131	132	133	134	135	136	137	138	139	141	142	143	144	145
Start date & hour	7/12/97 18	7/12/97 20	7/13/97 8	7/13/97 10	7/13/97 14	7/13/97 16	7/13/97 20	7/14/97 8	7/14/97 18	7/15/97 9	7/15/97 11	7/16/97 8	7/16/97 11	7/16/97 13
Start latitude	5135.74	5136.10	5133.88	5133.43	5139.64	5138.59	5139.59	5111.69	5147.20	5130.95	5130.00	5153.02	5202.25	5205.50
Start longitude	17747.12	17805.44	17804.59	17804.91	17829.86	17834.96	17832.71	17901.52	17806.96	17837.03	17838.70	17943.21	17918.93	17922.17
End latitude	5136.08	5136.23	5133.94	5133.34	5139.80	5138.56	5139.51	5112.24	5147.77	5130.96	5129.78	5153.39	5202.41	5204.81
End longitude	17745.97	17804.10	17806.05	17806.19	17831.09	17836.28	17831.40	17900.81	17808.02	17835.74	17837.57	17944.09	17920.19	17921.46
Gear depth (m)	117	100	183	274	394	124	317	188	156	159	236	95	287	320
Duration (h)	0.29	0.29	0.31	0.28	0.28	0.30	0.30	0.27	0.28	0.27	0.27	0.27	0.26	0.29
Distance fished (km)	1.48	1.58	1.72	1.50	1.46	1.54	1.63	1.35	1.64	1.51	1.41	1.23	1.48	1.60
Performance	0	0	0	0	0	0	0	0	0	0	0	6.4	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.00	0.00	0.00	0.00	6,551.55	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00
Pacific cod	2.10	151.60	34.60	36.40	12.20	57.20	6.90	9.90	12.20	53.20	12.00	7.70	0.00	0.00
Walleye pollock	0.00	0.00	0.29	553.40	5.10	0.00	30.10	0.00	2.04	0.00	0.00	0.00	9.90	0.00
Pacific ocean perch	0.90	0.00	2.70	327.90	2.80	0.00	20.80	5.10	0.00	0.00	0.00	0.00	1,032.20	20.30
Northern rockfish	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shortraker rockfish	0.00	0.00	0.00	21.00	10.60	0.00	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rougheye rockfish	0.00	0.00	0.00	4.00	12.00	0.00	14.60	0.00	0.00	0.00	1.30	0.00	0.00	1.10
Shortspine thornyhead	0.00	0.00	0.00	11.80	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	27.70	47.90	0.00	89.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	2.38	0.00	178.70	273.50	14.70	0.00	78.40	20.30	16.30	0.72	55.90	0.00	3.60	0.00
Pacific halibut	19.61	27.02	8.88	0.00	0.00	10.43	0.00	40.46	31.40	149.59	9.49	41.13	0.00	0.00
Rock sole	10.60	13.30	52.70	10.40	0.00	0.00	1.00	0.00	32.50	55.20	4.60	17.15	0.40	0.60
Northern rock sole	0.00	0.00	1.89	5.50	914.70	0.00	76.40	2.70	0.65	0.18	1.71	0.00	0.00	50.50
Greenland turbot	0.00	0.00	0.00	0.00	113.40	0.00	15.70	0.00	0.00	0.00	0.00	0.00	0.00	2.50
Flathead sole	0.00	0.00	1.30	0.49	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rex sole	0.05	0.00	0.00	0.65	0.70	0.00	37.60	0.00	0.00	0.00	2.17	0.00	0.00	0.00
Dover sole	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.29	0.00	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	0.00	0.00	0.00	0.08	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlamys species	76.20	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.73	0.00	0.00	0.00	0.00	0.00
Red squid	0.35	0.00	0.00	0.74	0.74	0.00	0.91	0.00	0.00	0.00	0.00	0.00	3.06	1.17
Total catch	114.13	195.71	311.66	1,321.34	1,232.92	6,636.81	397.73	83.13	116.14	269.30	91.16	70.88	1,074.54	101.97

Catch of selected species and species groups by haul for the F/V Dominator during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	146	147	148	149	150	151	152	153	154	155	156	157	158	159
Start date & hour	7/16/97 15	7/16/97 17	7/16/97 20	7/17/97 8	7/17/97 11	7/17/97 13	7/17/97 15	7/17/97 18	7/17/97 20	7/18/97 10	7/18/97 13	7/18/97 14	7/18/97 16	7/20/97 8
Start latitude	5203.24	5210.79	5213.08	5227.61	5230.15	5231.48	5231.17	5222.76	5221.87	5218.47	5214.55	5214.23	5204.89	5115.13
Start longitude	17925.53	17936.97	17956.83	17949.01	17959.08	17957.32	17930.53	17940.93	17954.22	17948.00	17950.22	17949.99	17943.87	E17911.94
End latitude	5202.75	5210.34	5212.21	5227.53	5230.06	5232.03	5230.64	5222.28	5221.61	5217.70	5213.79	5213.51	5204.23	5115.16
End longitude	17925.24	17936.38	17956.58	17947.80	17957.78	17958.27	17931.81	17941.97	17952.87	17947.62	17949.87	17949.51	17944.51	E17910.77
Gear depth (m)	148	134	100	227	276	402	141	211	185	175	123	124	318	173
Duration (h)	0.28	0.27	0.30	0.26	0.28	0.26	0.30	0.27	0.29	0.30	0.29	0.28	0.26	0.27
Distance fished (km)	1.00	1.09	1.64	1.39	1.48	1.49	1.76	1.54	1.68	1.52	1.49	1.47	1.44	1.36
Performance	6.4	6.4	0	0	0	0	0	0	0	1.11	-3.13	0	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackereel	0.00	0.00	0.08	0.59	0.00	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.00	10.10
Pacific cod	19.10	11.10	4.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.60	33.80	0.00	71.60
Walleye pollock	0.00	0.00	20.00	16.57	6.05	10.10	0.94	0.55	42.20	2.00	0.99	1.78	2.70	0.70
Pacific ocean perch	0.89	0.00	0.00	1,033.87	0.00	0.00	0.13	975.60	5.10	0.00	0.10	0.00	1.08	598.50
Northern rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.80	0.00	0.00	2.00
Shortraker rockfish	0.00	0.00	0.00	0.00	0.00	80.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rougheye rockfish	0.00	0.00	0.00	102.07	0.00	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.47	26.00	0.00	0.00	0.00	0.00	0.00	0.00	7.80	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	0.00	0.00	0.00	0.00	4.30	0.00	0.00	0.00	5.95	11.40	2.08	0.67	0.56	0.70
Pacific halibut	7.92	86.93	7.03	24.33	0.00	0.00	0.00	19.02	0.00	0.00	0.00	31.88	0.00	0.00
Rock sole	2.36	1.10	151.75	0.90	0.00	0.55	0.68	0.98	0.00	0.57	18.70	3.40	0.00	17.20
Northern rock sole	0.00	0.00	0.00	0.00	2.60	19.80	0.00	4.10	2.75	0.18	0.00	0.00	11.20	4.80
Greenland turbot	0.00	0.00	0.00	0.00	0.00	22.20	0.00	0.00	0.00	0.00	0.00	0.00	9.50	0.00
Flathead sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rex sole	0.00	0.00	0.00	0.00	1.78	9.60	0.00	0.00	0.00	0.00	0.00	0.00	4.25	0.00
Dover sole	0.00	0.00	0.00	0.00	0.00	1.39	0.00	0.00	0.41	0.00	0.00	0.00	1.10	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.80	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	0.00	0.00	0.00	0.00	0.13	0.01	0.00	0.25	0.06	1.40	0.24	0.00	0.00	0.00
Chlamys species	0.00	0.00	0.05	0.00	0.01	0.00	0.00	0.00	0.06	0.00	2.47	0.32	0.01	0.00
Red squid	0.00	0.00	0.00	0.00	1.54	2.03	0.19	0.00	0.48	0.00	0.00	0.00	4.25	0.00
Total catch	36.65	100.16	550.02	1,619.00	26.29	191.22	5.08	1,045.41	63.42	23.48	101.83	78.36	43.33	743.74

Catch of selected species and species groups by haul for the FV Dominator during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	160	161	162	163	164	165	166	167	168	169	170	171	172
Start date & hour	7/20/97 11	7/20/97 14	7/20/97 16	7/20/97 19	7/21/97 8	7/21/97 10	7/21/97 14	7/21/97 16	7/21/97 17	7/21/97 19	7/22/97 8	7/22/97 11	7/22/97 13
Start latitude	5122.03	5130.02	5130.09	5134.07	5151.38	5153.83	5156.09	5154.33	5158.94	5202.37	5144.34	5139.94	5137.02
Start longitude	E17908.44	E17849.48	E17838.92	E17818.84	E17816.56	E17817.68	E17810.27	E17821.99	E17812.34	E17831.2	E17800.37	E17820.76	E17825.24
End latitude	5121.45	5129.46	5129.66	5133.80	5151.71	5154.03	5156.52	5155.20	5158.47	5202.47	5144.38	5140.18	5137.65
End longitude	E17909.06	E17850.42	E17840.13	E17820.02	E17815.39	E17816.89	E17809.04	E17821.90	E17813.54	E17830.04	E17759.00	E17819.54	E17824.34
Gear depth (m)	73	96	158	474	96	210	348	124	96	390	151	154	166
Duration (h)	0.30	0.30	0.28	0.29	0.29	0.21	0.27	0.29	0.28	0.26	0.30	0.29	0.27
Distance fished (km)	1.38	1.56	1.63	1.48	1.49	1.01	1.63	1.63	1.64	1.38	1.60	1.49	1.58
Performance	0	0	0	0	0	4.4	0	0	0	0	0	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	16.00	396.50	554.50	0.00	32.20	12.10	0.00	0.00	0.00	0.00	0.00	436.30	0.00
Pacific cod	5.40	18.60	134.50	0.00	33.45	109.05	0.00	13.70	0.00	2.18	22.70	64.10	17.10
Walleye pollock	0.00	0.29	7.20	0.00	0.58	79.45	13.00	0.00	0.00	1.31	0.74	1.90	0.00
Pacific ocean perch	0.00	0.00	0.10	0.00	0.00	4,317.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern rockfish	0.00	4.10	0.00	0.00	0.00	4.20	0.00	0.00	0.00	0.00	105.60	2.70	0.57
Shortraker rockfish	0.00	0.00	0.00	18.90	0.00	12.70	40.80	0.00	0.00	5.60	0.00	0.00	0.00
Rougheye rockfish	0.00	0.00	0.35	3.50	0.00	126.35	32.70	0.00	0.00	37.30	1.30	0.00	0.00
Shortspine thornyhead	0.00	0.00	0.00	12.70	0.00	0.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	0.07	0.40	0.21	0.00	0.00	728.90	0.00	0.00	0.00	8.10	2.60	0.90	0.00
Pacific halibut	0.00	1.90	0.00	0.00	2.93	12.04	0.00	0.00	79.21	0.00	0.00	28.38	0.00
Rock sole	14.40	13.50	8.60	0.00	5.40	14.60	0.00	10.30	5.80	0.41	58.25	58.30	1.68
Northern rock sole	0.00	0.00	0.00	0.00	0.00	4.00	358.10	0.00	0.00	11.80	1.70	0.26	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	17.60	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rex sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.31	2.72	0.00	0.00
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.80	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Chlamys species	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00	2.86	0.20
Red squid	0.00	0.00	0.00	0.13	0.00	0.00	0.47	0.00	0.00	2.57	0.55	0.00	0.00
Total catch	35.93	445.18	756.00	181.27	94.91	5,428.85	5,200.00	57.94	115.48	82.84	204.11	635.24	30.21

Catch of selected species and species groups by haul for the F/V Dominator during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	173	174	175	176	177	179	180	181	182	183	184	185	186
Start date & hour	7/23/97 8	7/23/97 10	7/23/97 11	7/25/97 18	7/26/97 8	7/26/97 17	7/27/97 11	7/27/97 18	7/27/97 20	7/28/97 8	7/28/97 11	7/28/97 13	7/28/97 15
Start latitude	5152.31	5149.61	5146.22	5140.91	5136.19	5116.24	5134.78	5140.09	5142.79	5146.17	5143.20	5144.54	5146.24
Start longitude	17746.75	17736.07	17729.94	17819.12	17909.25	E17912.70	E17827.16	E17757.9	E17756.33	E17741.57	E17719.00	E17720.08	E17722.68
End latitude	5152.23	5150.11	5146.61	5140.45	5136.45	5116.39	5135.52	5140.49	5143.01	5145.90	5142.98	5144.72	5145.84
End longitude	17745.32	17734.93	17728.69	17818.95	17908.14	E17913.60	E17826.71	E17756.78	E17755.15	E17742.81	E17717.65	E17721.37	E17721.40
Gear depth (m)	123	49	83	271	228	98	152	392	269	243	466	273	176
Duration (h)	0.30	0.28	0.30	0.20	0.27	0.22	0.28	0.30	0.28	0.26	0.29	0.27	0.29
Distance fished (km)	1.67	1.62	1.62	0.92	1.43	1.09	1.48	1.50	1.43	1.52	1.61	1.54	1.66
Performance	0	0	0	-3.14	0	1.12	0	0	0	0	0	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.00	0.00	0.00	0.00	1,569.90	4,043.92	0.00	0.00	0.00	0.00	0.00	1.47
Pacific cod	2.10	37.20	0.37	15.90	46.30	892.10	152.10	0.00	0.00	2.40	0.00	0.00	22.90
Walleye pollock	0.05	0.00	0.00	402.50	1,125.10	0.00	0.73	15.60	290.30	57.10	0.00	322.00	5.10
Pacific ocean perch	0.03	0.00	0.00	54.90	510.80	0.20	56.91	1.90	16.60	0.62	0.00	39.40	12.80
Northern rockfish	0.00	0.00	0.00	0.00	0.00	1,535.02	1,723.40	0.00	0.00	0.00	0.00	0.00	36.00
Shortraker rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.40	10.40	0.00	48.60	0.00	0.00
Rougheye rockfish	0.00	0.00	0.00	1.60	0.00	0.00	0.00	31.50	8.90	0.00	2.46	0.00	0.00
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.60	3.60	0.00	30.40	19.60	1.10
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	1.21	25.90	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	37.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	24.80	0.00	1.06	3.60	19.30	0.00	0.00	14.00	7.00	4.20	13.30	0.00	9.60
Pacific halibut	14.23	12.18	17.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rock sole	4.90	6.85	40.00	0.00	15.30	2.01	9.70	0.00	4.00	11.00	0.00	0.61	4.40
Northern rock sole	4.70	0.00	0.00	7.80	0.00	0.00	0.00	24.30	0.00	0.00	11.50	4.32	0.00
Greenland turbot	0.00	0.00	0.00	9.40	10.30	0.00	0.00	16.50	0.00	0.00	22.30	0.00	0.00
Flathead sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	1.26	0.00	0.00
Rex sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.90	0.88	11.60	1.86	0.00	0.00
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.10	0.00	1.00	0.00	0.00
Northern pink shrimp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.09	0.00	0.00	0.00
Chlamys species	0.04	0.00	0.88	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Red squid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.98	1.54	0.00	1.30	0.00	0.00
Total catch	71.44	56.51	62.28	529.21	1,795.65	4,040.00	6,104.66	208.56	356.18	88.99	238.51	399.63	128.44

Catch of selected species and species groups by haul for the F/V Dominator during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	187	188	189	190	191	192	193	194	195	196	197	198	199	200
Start date & hour	7/28/97 17	7/28/97 19	7/29/97 8	7/29/97 12	7/29/97 14	7/30/97 9	7/30/97 11	7/30/97 15	7/30/97 19	7/30/97 21	7/31/97 9	7/31/97 11	7/31/97 12	7/31/97 13
Start latitude	5149.69	5151.92	5154.50	5203.61	5159.77	5203.81	5202.85	5200.15	5156.88	5156.58	5155.78	5202.35	5202.10	5205.07
Start longitude	E17740.25	E17745.76	E17815.08	E17749.99	E17739.09	E17722.25	E17726.35	E17645.42	E17647.00	E17646.82	E17640.44	E17627.58	E17628.11	E17619.77
End latitude	5149.53	5151.96	5154.12	5202.93	5159.45	5203.44	5202.30	5200.65	5156.38	5156.28	5155.72	5201.97	5201.72	5204.67
End longitude	E17738.95	E17744.73	E17813.87	E17751.12	E17740.37	E17721.00	E17725.35	E17646.48	E17646.09	E17646.24	E17639.05	E17628.39	E17629.1	E17620.80
Gear depth (m)	136	112	269	244	87	182	126	102	437	453	175	164	160	154
Duration (h)	0.29	0.21	0.29	0.28	0.29	0.28	0.29	0.25	0.26	0.17	0.30	0.27	0.28	0.28
Distance fished (km)	1.52	1.20	1.58	1.86	1.60	1.60	1.54	1.30	1.47	0.88	1.61	1.20	1.35	1.40
Performance	0	1.2	0	5.1	0	2.1	0	1.2	0	1.2	0	-5.1	0	2.1
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	0.00	0.00	0.00	0.00	0.00	252.80	8.40	7.10	0.00	0.00	0.38	0.52	1.13	580.70
Pacific cod	2.02	1.30	7.40	32.20	0.00	56.90	31.80	0.00	0.00	0.00	16.80	50.70	30.90	63.40
Walleye pollock	0.06	0.00	415.60	89.00	0.00	0.00	0.00	0.00	0.00	0.00	1.32	0.00	0.00	0.00
Pacific ocean perch	0.32	0.00	31.90	2,129.12	0.00	143.50	0.00	0.67	1.13	0.00	38.50	0.38	0.00	437.60
Northern rockfish	0.79	195.50	0.00	0.00	0.00	0.46	0.00	61.50	0.00	0.00	9.80	0.00	0.00	5.00
Shortraker rockfish	0.00	0.00	135.70	0.00	0.00	0.00	0.00	0.00	76.60	80.60	0.00	0.00	0.00	0.00
Rougheye rockfish	0.00	0.00	55.00	54.60	0.00	0.00	0.00	0.00	13.80	13.90	4.60	1.73	4.20	0.00
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.60	26.80	0.00	0.00	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.80	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	3.21	0.00	135.50	25.70	0.71	58.70	0.22	0.00	0.00	7.10	1.10	0.00	0.00	0.00
Pacific halibut	0.00	7.07	0.00	0.00	0.00	46.26	0.00	11.27	0.00	0.00	0.00	0.00	0.00	0.00
Rock sole	244.10	51.60	19.20	45.00	15.80	23.70	0.89	2.70	0.00	0.00	0.00	0.00	0.00	0.00
Northern rock sole	0.29	0.00	38.40	11.00	0.82	7.30	0.00	0.00	47.00	19.90	0.00	0.00	0.00	0.00
Greenland turbot	0.00	0.00	20.50	0.00	0.00	0.00	0.00	0.00	13.30	0.00	0.00	0.00	0.00	0.00
Flathead sole	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rex sole	0.00	0.00	5.90	0.00	0.00	0.00	0.00	0.00	0.85	0.58	0.00	0.00	0.00	0.00
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.07	0.00	6.30	0.00	0.01	0.00	0.00	1.88	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlamys species	0.37	0.12	0.00	0.03	0.03	0.08	0.09	0.08	0.00	0.00	0.69	0.04	0.04	0.02
Red squid	0.00	0.00	1.74	0.00	0.00	0.00	0.00	0.00	0.68	0.00	0.59	0.00	0.00	0.00
Total catch	288.15	353.80	876.18	2,415.00	31.34	802.01	71.28	575.07	186.76	163.46	97.16	63.55	38.28	1,094.64

Catch of selected species and species groups by haul for the F/V Dominator during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	201	202	203	204	205	206	207	208	209	210	211	212	213	214
Start date & hour	7/31/97 17	8/1/97 9	8/1/97 10	8/1/97 12	8/1/97 15	8/1/97 18	8/2/97 9	8/2/97 11	8/2/97 13	8/2/97 15	8/2/97 19	8/2/97 21	8/3/97 9	8/3/97 12
Start latitude	5207.44	5141.69	5141.53	5145.31	5151.27	5201.92	5210.76	5221.67	5227.93	5235.88	5235.59	5238.04	5254.56	5258.89
Start longitude	E17615.91	E17532.89	E17533.1	E17540.3	E17551.7	E17552.7	E17341.9	E17333.8	E17322.6	E17325.5	E17255.3	E17247.9	E17052.9	E17056.4
End latitude	5206.99	5141.41	5140.79	5145.02	5151.13	5201.30	5210.99	5221.85	5228.43	5235.25	5234.88	5237.47	5254.32	5259.26
End longitude	E17616.94	E17533.13	E17533.5	E17540.9	E17550.2	E17553.3	E17340.6	E17332.3	E17323.8	E17326.4	E17256.0	E17248.9	E17051.5	E17055.2
Gear depth (m)	131	192	190	94	99	161	163	65	172	137	154	234	241	138
Duration (h)	0.29	0.13	0.28	0.19	0.29	0.27	0.30	0.30	0.29	0.27	0.28	0.28	0.28	0.29
Distance fished (km)	1.50	0.60	1.46	0.84	1.72	1.38	1.55	1.72	1.65	1.54	1.58	1.50	1.70	1.51
Performance	0	-1.2	0	1.2	0	5	0	0	0	0	0	0	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	61.30	2.54	0.00	1.95	1.05	2.41	0.00	0.00	0.00	0.00	0.00	0.00	11.70	7,228.83
Pacific cod	72.30	0.00	0.00	0.00	6.80	0.00	12.90	13.80	2.31	0.00	4.70	25.50	0.00	0.00
Walleye pollock	0.00	4.40	0.52	0.00	0.00	4.25	1.31	0.00	0.38	0.37	0.00	8.60	171.90	28.30
Pacific ocean perch	1.28	3.56	1.67	0.39	0.00	1,367.32	1,375.50	0.00	0.00	0.00	0.80	3,808.55	2,015.70	41.20
Northern rockfish	325.10	0.98	0.00	129.90	0.00	972.25	0.93	0.00	0.00	0.00	5.80	5.90	0.00	768.40
Shorthead rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Roughey rockfish	4.15	0.00	0.00	0.00	0.00	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	129.40	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	0.00	0.00	24.30	0.00	0.00	87.50	58.20	0.45	152.20	121.10	2.30	42.00	4.90	0.00
Pacific halibut	0.00	0.00	0.00	14.57	0.00	0.00	0.00	31.24	45.25	0.00	113.54	28.34	0.00	0.00
Rock sole	1.60	0.00	0.00	1.00	4.51	11.20	69.50	43.90	39.60	20.70	8.90	0.00	0.00	0.00
Northern rock sole	0.00	0.78	2.99	0.00	0.00	2.29	7.50	0.00	8.00	5.70	0.20	2.90	0.00	0.00
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.10	0.00
Flathead sole	0.00	0.00	0.00	0.00	0.00	5.90	24.50	3.80	30.60	42.50	0.00	0.00	0.00	0.00
Rex sole	0.00	2.89	2.49	0.00	0.00	33.90	58.40	0.00	3.20	4.00	0.00	0.00	0.00	0.00
Dover sole	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.30	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern pink shrimp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00
Chlamys species	0.04	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red squid	0.00	0.00	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	103.80	0.00
Total catch	479.77	27.03	46.27	263.13	29.49	2,756.00	1,627.30	97.05	313.87	217.53	162.41	3,926.00	2,694.00	8,306.04

Catch of selected species and species groups by haul for the F/V Dominator during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229
Start date & hour	8/3/97 17	8/3/97 20	8/4/97 9	8/4/97 11	8/4/97 14	8/4/97 19	8/5/97 9	8/5/97 11	8/5/97 13	8/5/97 16	8/5/97 17	8/6/97 9	8/6/97 11	8/6/97 13	8/6/97 15
Start latitude	5306.59	5306.55	5317.36	5318.42	5314.03	5305.72	5257.81	5303.89	5303.87	5259.79	5256.97	5242.24	5248.21	5251.46	5256.67
Start longitude	E17059.2	E17055.1	E17043.5	E17038.6	E17049.2	E17141.8	E17314.4	E17259.0	E17250.7	E17219.6	E17216.3	E17242.2	E17235.4	E17224.2	E17210.2
End latitude	5306.83	5306.42	5317.47	5317.98	5314.18	5306.21	5258.36	5304.05	5304.26	5259.38	5257.72	5242.76	5248.58	5251.64	5257.34
End longitude	E17057.8	E17056.4	E17042.2	E17038.4	E17047.8	E17142.8	E17315.3	E17257.6	E17249.4	E17218.5	E17216.5	E17241.2	E17234.4	E17222.8	E17209.3
Gear depth (m)	117	102	282	258	136	465	89	120	94	176	210	176	143	181	401
Duration (h)	0.29	0.28	0.30	0.16	0.30	0.34	0.28	0.29	0.28	0.28	0.27	0.28	0.27	0.29	0.28
Distance fished (km)	1.56	1.50	1.58	0.86	1.64	1.49	1.48	1.57	1.65	1.51	1.50	1.49	1.39	1.64	1.62
Performance	0	1.11	0	4.4	0	0	0	0	0	0	0	0	0	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	211.00	8.00	0.00	0.00	310.50	0.00	0.43	0.00	0.70	0.00	0.50	0.00	0.68	0.00	0.00
Pacific cod	0.00	0.00	0.00	0.00	0.00	0.00	3.10	17.40	223.90	10.00	116.30	12.90	40.50	23.60	0.00
Walleye pollock	6.60	9.90	14.40	56.10	3.00	0.00	0.00	0.00	0.00	0.00	1.10	8.30	0.00	6.40	0.00
Pacific ocean perch	5.20	0.81	3,608.55	9,137.80	88.00	0.00	0.00	6.10	0.00	0.00	1,154.00	0.00	87.80	0.78	0.00
Northern rockfish	495.50	1,066.30	0.00	0.37	825.10	0.00	0.00	275.40	3.00	0.00	0.00	0.07	5.10	0.00	0.00
Shortraker rockfish	0.00	0.00	0.00	0.00	0.00	81.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.10
Rougheye rockfish	0.00	0.00	0.00	22.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.80
Shortspine thornyhead	0.00	0.00	32.70	10.30	0.00	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.70
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	124.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.50
Arrowtooth flounder	0.00	0.00	0.00	0.00	0.00	0.00	2.50	3.00	0.30	0.48	306.40	98.30	20.05	18.40	0.00
Pacific halibut	0.00	0.00	0.00	0.00	0.00	0.00	10.66	2.01	144.21	44.83	21.60	0.00	0.00	0.00	0.00
Rock sole	8.70	11.40	0.00	0.00	3.10	0.00	60.90	17.40	7.00	0.57	0.00	0.72	45.50	23.70	0.00
Northern rock sole	0.00	0.00	11.30	0.00	0.00	0.00	0.00	0.40	0.00	0.28	53.90	2.44	4.30	2.68	319.40
Greenland turbot	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.00
Flathead sole	16.40	1.06	0.00	0.00	0.00	0.00	0.07	1.34	2.40	0.00	0.00	0.00	6.15	2.03	0.00
Rex sole	10.90	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.80	0.00	3.20
Dover sole	0.00	0.26	0.00	2.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88
Northern pink shrlmp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.38	0.01	0.02	0.00
Chlamys species	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red squid	0.00	0.00	0.38	2.35	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.20
Total catch	1,521.50	1,512.87	3,681.00	9,247.67	1,319.69	951.27	87.41	349.89	391.29	81.41	1,741.57	142.97	244.56	85.65	658.84

Catch of selected species and species groups by haul for the F/V Dominator during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	230	231	232	233	234	235	236	237	238	239	240	241	242	243
Start date & hour	8/7/97 9	8/7/97 11	8/7/97 13	8/7/97 15	8/7/97 17	8/8/97 9	8/8/97 13	8/8/97 16	8/9/97 9	8/9/97 11	8/9/97 14	8/9/97 16	8/10/97 9	8/10/97 11
Start latitude	5249.39	5239.42	5237.10	5235.21	5230.83	5223.69	5224.28	5229.89	5204.29	5209.98	5215.79	5217.30	5218.11	5213.90
Start longitude	E17342.9	E17351.0	E17410.5	E17418.1	E17414.8	E17358.6	E17415.6	E17424.7	E17505.8	E17513.6	E17508.3	E17520.5	E17549.2	E17601.71
End latitude	5249.12	5239.35	5236.93	5234.94	5230.52	5222.87	5224.70	5230.29	5204.81	5210.45	5215.50	5217.09	5218.83	5213.38
End longitude	E17344.2	E17352.4	E17411.9	E17419.3	E17413.4	E17358.7	E17416.8	E17425.8	E17506.7	E17514.8	E17507.E	E17521.6	E17548.6	E17602.67
Gear depth (m)	121	87	92	99	111	124	266	231	389	229	276	237	234	157
Duration (h)	0.28	0.30	0.29	0.28	0.30	0.29	0.29	0.28	0.28	0.28	0.27	0.29	0.28	0.28
Distance fished (km)	1.53	1.63	1.62	1.47	1.63	1.54	1.50	1.42	1.45	1.63	1.42	1.40	1.57	1.48
Performance	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gear	172	172	172	172	172	172	172	172	172	172	172	172	172	172
Atka mackerel	1.43	1.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.10
Pacific cod	27.90	0.00	0.00	0.55	0.00	3.70	251.70	0.00	0.00	4.05	0.00	0.00	0.00	132.50
Walleye pollock	0.00	0.00	0.00	0.00	0.07	0.00	1.38	0.00	0.00	0.00	3.90	0.00	60.60	0.00
Pacific ocean perch	0.00	0.00	0.00	0.00	0.00	0.00	3.30	0.00	0.00	30.30	1,526.05	1,566.57	147.80	280.60
Northern rockfish	0.00	0.00	0.00	40.50	0.00	0.00	0.64	0.00	0.00	0.00	0.00	0.73	0.60	5.70
Shortraker rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.20	0.00	0.00	0.00	0.00	0.00
Rougheye rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	2.40	0.80	0.00	0.00
Shortspine thornyhead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.30	0.12	7.50	1.43	0.00	0.00
Light dusky rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rockfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sablefish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arrowtooth flounder	3.00	5.40	4.10	0.00	1.40	75.60	7.40	33.20	2.36	6.90	2.20	38.40	0.00	2.30
Pacific halibut	14.17	20.89	2.66	34.38	23.65	1.49	0.00	0.00	0.00	19.56	0.00	0.00	0.00	0.00
Rock sole	48.90	10.45	15.20	10.60	34.00	91.30	4.10	0.60	0.00	1.25	0.00	0.00	0.00	0.94
Northern rock sole	0.00	0.00	0.00	0.00	0.00	0.13	9.10	5.00	23.00	0.90	64.00	13.44	9.40	2.80
Greenland turbot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flathead sole	0.50	0.28	0.00	0.00	0.35	10.00	1.34	27.70	0.00	0.00	0.00	0.00	0.00	0.00
Rex sole	0.00	0.00	0.00	0.00	0.00	3.10	0.00	46.30	2.60	1.25	2.10	0.00	0.00	0.00
Dover sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin sole	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other flatfish	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Skates	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sharks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sculpin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Broad snow crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
True tanner crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden king crab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.17	0.00	1.80	1.44	0.00	0.00
Northern pink shrimp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlamys species	0.02	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Red squid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	0.02	0.00	0.00	0.00	0.00
Total catch	111.47	39.56	28.65	249.18	67.94	213.91	282.46	113.04	58.62	73.31	1,691.92	1,968.00	257.76	456.92

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Catch of selected species and species groups by haul for the F/V *Dominator* during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Haul number	245	246
Start date & hour	8/10/97 19	8/10/97 22
Start latitude	5216.05	5221.19
Start longitude	E17607.77	E17621.99
End latitude	5216.31	5220.64
End longitude	E17606.57	E17622.97
Gear depth (m)	238	230
Duration (h)	0.27	0.29
Distance fished (km)	1.52	1.62
Performance	0	0
Gear	172	172
Atka mackerel	8.60	0.00
Pacific cod	9.90	23.10
Walleye pollock	24.00	207.10
Pacific ocean perch	2,482.82	5,100.15
Northern rockfish	15.50	0.79
Shortraker rockfish	2.70	0.00
Rougheye rockfish	219.10	5.60
Shortspine thornyhead	0.00	0.00
Light dusky rockfish	0.00	0.00
Other rockfish	0.00	0.00
Sablefish	0.00	0.00
Arrowtooth flounder	42.90	3.20
Pacific halibut	0.00	14.12
Rock sole	4.10	0.00
Northern rock sole	109.20	79.00
Greenland turbot	0.00	0.00
Flathead sole	0.97	0.00
Rex sole	0.00	0.00
Dover sole	0.00	0.00
Yellowfin sole	0.00	0.00
Other flatfish	0.00	0.00
Skates	0.00	0.00
Sharks	0.00	0.00
Sculpin	0.00	0.00
Broad snow crab	0.00	0.00
True tanner crab	0.00	0.00
Red king crab	0.00	0.00
Golden king crab	1.88	0.00
Northern plank shrimp	0.00	0.00
Chlamys species	0.00	0.00
Red squid	0.00	0.00
Total catch	3,252.00	5,477.62

Section 3

Combined Fishing Log

- **Summary listings of catch rates by species**

- **The summary listings of catch rates for selected species use kilograms of catch per square kilometer (kg/km²) trawled.**

- **Average individual catch weight (kg).**

- **Vessel code (23 = *Dominator*, 94 = *Vesteraalen*)**

- **Average gear depth (m).**

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight			Individual weight			Gear depth			Catch weight			Individual weight			Gear depth				
	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul	(m)
Pacific ocean perch	9,813.80	0.81	23	184	211	1,375.50	0.43	94	207	163	191.90	0.72	23	189	242					
	9,632.58	0.89	23	136	208	1,367.32	0.64	94	206	161	185.30	0.93	94	90	284					
	9,137.80	0.47	94	218	258	1,154.00	0.61	94	225	210	173.30	0.94	94	86	327					
	7,924.20	0.67	94	117	204	1,127.50	0.57	23	112	231	171.95	0.16	23	250	93					
	6,913.23	0.67	23	175	224	1,033.87	0.91	94	149	227	166.30	0.68	23	249	168					
	6,451.61	0.81	23	67	237	1,032.20	1.04	94	144	287	163.64	0.71	23	171	211					
	5,789.86	0.75	94	70	256	992.70	0.78	23	23	272	161.70	0.83	94	34	227					
	5,718.96	0.77	94	62	249	975.60	0.73	94	153	211	147.80	0.69	94	242	234					
	5,471.96	0.64	23	174	165	973.40	0.61	23	242	255	143.50	0.53	94	192	182					
	5,339.75	0.69	23	56	241	933.70	0.48	23	173	145	142.80	0.63	23	142	217					
	5,338.77	0.59	23	230	227	886.38	0.87	94	63	228	142.30	0.70	23	115	210					
	5,100.15	0.82	94	246	230	797.00	0.53	23	226	211	140.60	0.59	94	52	254					
	4,317.39	0.78	94	165	210	654.70	0.47	94	65	147	136.60	0.73	94	77	225					
	4,165.86	0.40	23	114	177	648.90	0.89	94	55	291	134.70	0.32	23	220	146					
	3,808.55	0.54	94	212	234	598.50	0.63	94	159	173	129.40	1.18	23	73	217					
	3,762.22	0.86	94	106	180	591.00	0.81	23	161	252	124.80	1.05	94	79	236					
	3,668.47	1.02	23	246	231	541.60	1.01	23	55	213	124.40	0.20	94	123	154					
	3,608.55	0.57	94	217	282	510.80	0.92	94	177	228	121.37	0.74	23	127	222					
	3,235.61	0.82	23	244	248	500.00	0.24	23	245	142	101.23	0.41	94	83	166					
	3,211.95	0.51	23	176	169	491.50	0.63	23	185	145	97.60	0.63	94	105	261					
2,959.81	0.38	23	200	160	450.30	0.33	23	215	169	95.10	0.83	23	148	275						
2,579.82	0.71	23	178	285	449.50	0.67	94	32	264	90.40	0.08	23	172	122						
2,482.82	0.80	94	245	238	437.60	0.42	94	200	154	88.00	0.08	94	219	136						
2,174.18	0.60	23	248	175	411.50	0.92	94	108	243	87.80	0.40	94	227	143						
2,164.74	0.81	23	30	209	389.80	0.84	94	116	219	78.40	0.45	23	87	214						
2,129.12	0.60	94	190	244	383.00	0.75	94	129	238	78.26	0.63	94	42	316						
2,072.14	0.81	23	251	182	327.90	0.65	94	134	274	75.20	0.64	94	127	306						
2,040.15	0.78	23	212	185	321.60	0.65	23	211	219	69.00	0.49	23	214	335						
2,015.70	0.71	94	213	241	316.70	0.82	23	65	271	68.50	0.57	23	76	232						
1,991.20	0.63	23	179	215	316.20	0.95	94	76	212	58.75	0.90	23	97	319						
1,968.20	0.79	23	6	240	314.50	0.79	94	74	219	56.91	0.52	94	180	152						
1,916.34	0.56	94	98	255	290.40	0.68	94	102	195	56.90	0.68	23	54	285						
1,682.51	0.63	23	177	218	280.60	0.74	94	243	157	54.90	1.00	94	176	271						
1,574.16	0.54	23	202	272	270.50	0.67	23	241	226	50.10	1.02	23	40	324						
1,566.57	0.68	94	241	237	270.30	1.01	23	156	144	45.60	0.93	23	170	330						
1,526.05	0.68	94	240	276	231.60	0.79	23	109	176	41.60	0.99	94	80	278						
1,512.40	0.57	23	86	275	224.80	0.71	94	104	251	41.20	0.20	94	214	138						
1,512.30	0.59	23	126	240	220.10	1.00	23	3	246	40.70	0.64	23	92	323						
1,385.10	0.71	94	118	332	205.03	0.27	23	124	120	39.40	0.69	94	185	273						

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight			Individual weight			Gear depth			Catch weight (kg/km ²)	Individual weight (kg)	Gear depth			
	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul			(m)	(kg/km ²)	(kg)	Vessel
Pacific ocean perch	38.50	0.37	94	197	175	5.15	0.74	23	169	256	1.31	0.66	94	17	167
	37.90	0.05	94	38	96	5.15	0.74	94	103	325	1.28	0.18	94	201	131
	36.90	0.64	94	41	236	5.10	0.85	94	138	188	1.24	0.62	23	146	404
	34.20	0.74	94	35	346	5.10	0.64	94	154	185	1.24	0.62	23	165	420
	33.90	0.41	23	88	201	4.80	0.80	23	81	305	1.20	0.20	94	92	119
	31.90	0.65	94	189	269	4.78	0.48	23	96	145	1.19	0.59	94	37	221
	30.50	0.92	23	11	326	4.75	0.95	23	149	326	1.13	0.57	94	195	437
	30.50	0.45	23	79	219	3.96	0.99	23	98	315	1.13	0.57	23	147	402
	30.30	0.84	94	239	229	3.84	0.05	23	103	116	1.12	0.37	23	91	151
	29.90	0.73	94	97	317	3.80	0.63	23	53	338	1.11	0.03	94	56	93
	24.30	1.06	23	158	278	3.80	0.54	23	201	376	1.08	0.54	94	158	318
	22.60	0.66	23	180	368	3.80	0.29	94	121	156	0.96	0.14	94	33	182
	21.40	0.63	23	52	329	3.63	0.10	94	99	149	0.90	0.90	94	131	117
	20.90	0.72	23	95	146	3.60	0.60	94	48	277	0.89	0.89	94	146	148
	20.80	0.80	94	137	317	3.56	0.45	94	202	192	0.84	0.84	94	11	148
	20.30	1.07	94	145	320	3.30	0.47	94	236	266	0.81	0.12	94	216	102
	20.10	0.61	23	222	251	3.20	0.80	94	53	141	0.80	0.80	94	50	319
	16.60	0.66	94	28	250	2.84	0.57	23	145	402	0.80	0.10	94	211	154
	16.60	0.64	94	182	269	2.83	0.71	23	106	144	0.78	0.39	94	228	181
	16.40	0.63	23	49	384	2.80	0.56	94	135	394	0.78	0.78	23	192	154
	15.80	0.99	23	33	325	2.70	0.68	23	31	250	0.77	0.77	23	9	129
	15.20	0.63	94	39	323	2.70	0.68	94	133	183	0.74	0.25	94	7	90
	14.40	0.76	23	4	164	2.70	0.67	23	123	346	0.73	0.08	23	44	92
	13.10	0.69	23	111	281	2.20	0.73	94	109	407	0.71	0.71	94	130	370
	12.80	0.41	94	186	176	2.09	0.70	94	88	211	0.67	0.34	94	194	102
	11.28	0.38	23	157	93	2.05	0.09	94	122	156	0.65	0.05	23	2	91
	9.50	0.41	23	213	120	2.00	0.67	23	190	426	0.65	0.65	23	5	59
	9.50	0.68	94	36	238	2.00	0.67	94	87	216	0.62	0.62	94	183	243
	9.25	0.77	23	51	231	1.91	0.64	94	6	444	0.57	0.57	23	227	156
	8.15	0.25	23	167	222	1.90	0.63	94	181	392	0.54	0.18	94	31	229
7.10	1.42	23	74	397	1.80	0.60	94	78	364	0.52	0.17	23	168	118	
7.10	0.71	94	49	273	1.67	0.56	94	203	190	0.50	0.08	94	73	107	
6.50	0.15	23	90	124	1.57	0.52	94	110	343	0.49	0.05	94	101	111	
6.30	0.57	23	237	318	1.45	0.73	94	128	141	0.47	0.47	23	12	190	
6.20	0.69	94	5	292	1.43	0.36	94	4	140	0.39	0.10	23	219	222	
6.10	0.36	94	222	120	1.42	0.28	94	40	170	0.39	0.20	94	204	94	
5.40	0.68	23	166	375	1.41	0.35	23	224	179	0.38	0.38	94	198	164	
5.30	0.08	23	239	142	1.32	0.66	94	81	357	0.32	0.32	94	187	136	
5.20	0.14	94	215	117	1.32	0.04	23	159	170	0.30	0.15	23	94	93	

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight			Individual weight			Gear depth			Species	Catch weight			Individual weight			Gear depth		
	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul		(m)	(kg/km ²)	(kg)	Vessel	Haul	(m)			
Northern rockfish	2,469.41	0.41	23	250	93	20.00	0.83	94	76	212	1.90	0.63	23	86	275				
	1,723.40	0.70	94	180	152	17.38	0.60	23	94	93	1.58	0.79	94	17	167				
	1,535.02	0.46	94	179	98	16.60	0.57	23	91	151	1.52	0.76	94	7	90				
	1,066.30	0.25	94	216	102	15.78	0.51	23	175	224	1.43	0.36	23	230	227				
	1,053.74	0.62	23	143	130	15.50	0.62	94	245	238	1.41	0.47	23	142	217				
	972.25	0.58	94	206	161	14.17	0.49	94	83	166	1.09	1.09	94	77	225				
	958.48	0.34	23	199	93	9.90	0.50	23	182	122	1.07	0.36	23	226	211				
	825.10	0.29	94	219	136	9.80	0.49	94	197	175	1.06	0.35	23	105	201				
	768.40	0.48	94	214	138	7.20	0.60	23	95	146	1.04	0.52	23	189	242				
	677.10	0.37	23	213	120	6.50	0.46	94	94	89	1.00	0.50	23	179	215				
	524.30	0.57	23	203	114	6.10	0.41	23	205	87	0.98	0.49	94	202	192				
	495.50	0.30	94	215	117	6.10	0.55	94	123	154	0.96	0.48	94	108	243				
	445.90	0.66	23	245	142	5.90	0.37	94	212	234	0.94	0.94	23	2	91				
	442.50	0.68	23	215	169	5.80	0.34	94	211	154	0.93	0.31	94	207	163				
	407.60	0.45	23	247	95	5.70	0.71	94	243	157	0.90	0.90	23	82	203				
	325.10	0.57	94	201	131	5.10	0.36	94	227	143	0.79	0.79	94	246	230				
	324.94	0.60	94	106	180	5.00	0.45	94	200	154	0.79	0.39	94	187	136				
	275.40	0.43	94	222	120	4.80	0.69	94	95	136	0.74	0.74	94	42	316				
	266.88	0.58	23	176	169	4.76	0.43	94	65	147	0.73	0.73	94	241	237				
	201.70	0.27	23	157	93	4.30	0.39	23	231	86	0.72	0.24	23	45	90				
	195.50	0.37	94	188	112	4.20	0.53	94	165	210	0.69	0.69	23	4	164				
	188.30	0.42	23	248	175	4.10	0.21	94	161	96	0.69	0.69	94	28	250				
	134.65	0.48	23	173	145	3.88	0.55	23	136	208	0.68	0.68	94	84	168				
	132.30	0.54	23	174	165	3.63	0.52	23	114	177	0.67	0.22	94	8	97				
	129.90	0.26	94	204	94	3.60	0.51	94	104	251	0.67	0.67	23	37	181				
	123.13	0.29	23	172	122	3.35	0.56	23	127	222	0.65	0.65	94	129	238				
	119.70	0.43	23	220	146	3.30	0.83	23	10	90	0.64	0.64	23	33	325				
	105.60	0.52	94	170	151	3.10	0.62	23	30	209	0.64	0.32	94	236	266				
	97.74	0.53	23	185	145	3.00	0.50	94	223	94	0.63	0.63	23	6	240				
	63.17	0.43	23	124	120	2.80	0.47	94	102	195	0.63	0.63	23	23	272				
	61.50	0.26	94	194	102	2.80	0.40	94	156	123	0.60	0.60	94	242	234				
	54.60	0.47	23	90	124	2.70	0.54	94	171	154	0.60	0.60	94	39	323				
	40.50	0.20	94	233	99	2.62	0.87	23	156	144	0.59	0.59	23	192	154				
36.20	0.60	94	92	119	2.42	0.35	23	44	92	0.59	0.59	94	35	346					
36.00	0.51	94	186	176	2.22	0.44	94	117	204	0.59	0.59	23	83	205					
30.30	0.72	94	15	115	2.21	0.37	94	121	156	0.58	0.58	23	76	232					
27.40	0.58	23	249	168	2.10	0.52	23	126	240	0.57	0.57	94	172	166					
23.20	0.47	23	200	160	2.01	0.67	23	251	182	0.57	0.57	23	202	272					
21.50	0.80	94	33	182	2.00	0.40	94	159	173	0.55	0.55	94	32	264					

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight			Individual weight			Gear depth			Catch weight (kg/km ²)	Individual weight			Gear depth				
	(kg/km ²)	(kg)		Vessel	Haul	(m)	(kg/km ²)	(kg)			Vessel	Haul	(m)	(kg/km ²)	(kg)		Vessel	Haul
Shortraker rockfish	896.32	1.97		23	149	326	53.54	0.91		23	146	404	12.70	4.23		94	165	210
	746.08	1.77		23	147	402	51.20	2.05		23	74	397	12.60	2.10		23	134	377
	499.40	2.37		23	170	330	48.90	2.04		23	166	375	12.40	2.48		23	151	417
	485.50	1.67		94	118	332	48.60	3.04		94	184	466	11.40	1.04		23	237	318
	349.80	1.92		23	145	402	45.20	1.51		94	109	407	10.60	1.51		94	135	394
	231.10	1.82		94	64	413	41.00	1.37		94	110	343	10.40	1.73		94	182	269
	198.70	1.62		94	127	306	40.80	5.10		94	166	348	6.70	2.23		23	223	398
	175.10	1.82		23	201	376	40.72	1.40		23	113	366	6.30	1.26		94	128	141
	161.85	1.32		23	92	323	34.70	1.74		94	103	325	5.90	5.90		23	242	255
	147.40	14.74		23	11	326	33.40	5.57		94	98	255	5.60	1.87		94	169	390
	135.70	4.24		94	189	269	27.90	2.79		23	97	319	4.83	4.83		23	111	281
	112.47	1.68		23	123	346	26.90	5.38		23	184	211	4.43	2.22		94	51	414
	96.90	1.86		23	180	368	24.70	3.09		23	63	356	4.10	2.05		94	229	401
	92.25	1.68		23	99	374	21.00	2.10		94	134	274	3.90	3.90		94	81	357
	90.00	2.50		94	78	364	20.30	1.27		94	97	317	3.76	3.76		23	112	231
	81.20	1.16		94	220	465	19.10	2.73		23	165	420	3.70	3.70		23	76	232
	80.60	2.12		94	196	453	18.90	1.72		94	163	474	3.20	0.53		94	238	389
	80.00	1.95		94	151	402	17.90	3.58		23	187	353	3.14	3.14		23	65	271
	79.50	2.41		23	98	315	16.43	2.74		94	58	455	2.70	2.70		94	245	238
	76.60	2.13		94	195	437	14.40	2.06		23	232	383	2.62	1.31		23	214	335
72.50	1.61		94	130	370	14.10	2.35		94	137	317	2.13	2.13		23	33	325	
58.40	2.01		94	181	392	13.70	3.43		23	190	426							
57.50	1.69		94	126	379	12.70	4.23		23	189	242							
Rougheye rockfish	275.40	1.31		94	103	325	44.30	1.38		94	130	370	22.70	3.24		94	218	258
	268.45	1.39		23	170	330	37.30	1.43		94	169	390	22.10	0.96		23	200	160
	219.10	1.64		94	245	238	36.70	1.60		23	184	211	20.25	0.96		23	178	285
	126.35	1.68		94	165	210	35.38	1.26		23	113	366	19.10	1.47		23	145	402
	111.90	1.60		23	187	353	32.70	1.72		94	166	348	17.80	1.05		94	126	379
	102.07	0.70		94	149	227	31.50	2.25		94	181	392	17.40	1.58		23	63	356
	96.65	1.03		23	92	323	30.30	1.52		23	166	375	16.80	0.93		94	97	317
	95.50	1.38		23	201	376	27.78	1.21		23	149	326	15.70	0.40		23	126	240
	75.50	1.30		23	97	319	25.34	1.33		23	142	217	14.80	1.48		94	151	402
	59.60	0.96		23	202	272	25.10	1.79		23	11	326	14.60	1.62		94	137	317
	58.23	1.08		23	123	346	25.10	0.81		23	23	272	13.90	1.54		94	196	453
	55.00	1.62		94	189	269	24.10	1.27		23	180	368	13.80	1.38		94	195	437
	54.60	1.65		94	190	244	23.82	1.70		23	147	402	13.40	1.49		94	109	407
	45.20	1.29		94	110	343	23.10	1.00		94	28	250	12.10	0.81		94	127	306

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight			Individual weight			Gear depth			Catch weight (kg/km ²)	Individual weight (kg)	Gear depth			
	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul			(m)	(kg/km ²)	(kg)	Vessel
Rougheye rockfish	12.00	1.71	94	135	394	4.10	1.37	94	81	357	1.70	0.85	23	114	177
	11.20	1.60	23	190	426	4.00	1.33	94	134	274	1.65	1.65	23	67	237
	10.30	1.72	23	232	383	3.95	0.79	23	167	222	1.64	0.82	23	172	122
	10.20	1.46	23	74	397	3.70	1.85	94	206	161	1.60	1.60	94	176	271
	9.75	1.63	23	99	374	3.60	0.90	23	237	318	1.55	1.55	23	212	185
	8.90	2.23	94	182	269	3.50	1.75	23	53	338	1.53	1.53	94	41	236
	8.70	1.74	23	40	324	3.50	0.70	94	123	154	1.53	1.53	23	199	93
	8.40	1.05	23	73	217	3.50	1.75	94	163	474	1.50	1.50	23	12	190
	7.16	1.43	23	176	169	3.45	1.72	94	86	327	1.43	1.43	23	62	359
	6.90	1.73	94	51	414	3.20	1.60	23	3	246	1.40	1.40	23	30	209
	6.70	1.34	94	55	291	3.00	1.00	23	98	315	1.40	1.40	23	71	419
	6.40	1.60	23	165	420	3.00	1.00	23	220	146	1.34	1.34	94	5	292
	6.00	1.50	23	6	240	2.96	0.99	23	33	325	1.30	1.30	94	142	236
	6.00	1.50	94	78	364	2.80	1.40	94	229	401	1.30	1.30	94	170	151
	6.00	1.50	94	104	251	2.62	0.65	23	177	218	1.20	1.20	94	238	389
	5.80	1.45	94	64	413	2.50	1.25	23	223	398	1.15	1.15	94	27	411
	5.61	0.80	23	146	404	2.46	1.23	94	184	466	1.14	0.57	94	63	228
	5.60	2.80	23	214	335	2.43	1.21	23	179	215	1.10	1.10	94	145	320
	5.60	1.87	94	246	230	2.40	0.80	94	240	276	1.08	1.08	94	76	212
	5.46	1.36	94	90	284	2.37	1.19	23	151	417	0.92	0.92	23	203	114
5.40	1.08	94	118	332	2.17	1.09	94	35	346	0.90	0.90	94	159	173	
5.30	1.77	94	58	455	2.16	2.16	23	49	384	0.88	0.88	23	241	226	
5.06	1.69	23	134	377	1.90	0.48	94	32	264	0.80	0.80	94	241	237	
4.60	1.15	94	197	175	1.85	0.93	94	98	255	0.76	0.76	23	171	211	
4.55	1.52	23	54	285	1.83	1.83	94	62	249	0.52	0.52	94	36	238	
4.20	0.84	94	199	160	1.75	1.75	23	148	275	0.51	0.51	94	19	191	
4.15	1.38	94	201	131	1.73	0.87	94	198	164	0.35	0.35	94	162	158	
Shortspine thornyhead	129.40	0.53	94	213	241	32.70	0.50	94	217	282	18.70	0.17	23	166	375
	121.50	0.52	23	232	383	30.40	0.49	94	184	466	17.80	0.81	23	202	272
	81.40	0.39	23	223	398	27.40	0.83	23	97	319	16.60	0.23	94	181	392
	62.80	0.98	94	103	325	26.80	0.25	94	196	453	16.00	0.20	23	214	335
	55.00	0.47	23	33	325	26.60	0.22	23	165	420	15.50	0.29	94	220	465
	50.40	0.42	23	211	219	26.00	0.74	94	151	402	15.30	0.31	94	238	389
	45.70	0.36	94	229	401	22.90	0.45	23	201	376	14.60	0.22	94	195	437
	42.40	0.63	23	237	318	20.30	0.97	23	180	368	14.50	0.30	23	6	240
	36.60	1.26	23	215	169	19.60	0.82	94	185	273	12.70	0.91	94	163	474
	32.75	0.68	23	123	346	19.30	0.30	23	11	326	12.50	0.83	94	127	306

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight			Individual weight			Gear depth			Catch weight (kg/km ²)	Individual weight (kg)	Gear depth			
	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul			(m)	(kg/km ²)	(kg)	Vessel
Shortspine thornyhead	12.30	0.88	23	222	251	5.50	1.38	23	187	353	1.87	1.87	23	169	256
	11.80	0.84	94	134	274	5.38	0.77	23	113	366	1.61	0.80	23	149	326
	10.30	1.29	94	218	258	4.20	1.40	23	151	417	1.53	1.53	94	105	261
	10.13	1.45	23	170	330	4.00	0.80	94	6	444	1.43	1.43	94	241	237
	10.10	0.92	23	126	240	3.85	0.77	23	98	315	1.25	1.25	94	98	255
	9.60	0.80	94	169	390	3.80	0.38	23	23	272	1.20	0.40	23	99	374
	8.40	0.53	94	130	370	3.76	1.88	23	177	218	1.10	0.55	94	186	176
	8.01	0.47	23	145	402	3.70	1.23	94	97	317	0.77	0.77	94	129	238
	7.80	0.41	94	158	318	3.62	0.30	23	158	278	0.68	0.68	23	159	170
	7.50	1.25	94	240	276	3.60	0.60	94	182	269	0.56	0.56	23	238	172
	7.28	0.91	23	147	402	3.20	1.07	94	135	394	0.51	0.51	23	226	211
	7.10	0.89	94	118	332	2.81	0.94	94	110	343	0.47	0.47	94	150	276
	7.01	0.88	23	146	404	2.80	1.40	23	190	426	0.34	0.17	23	168	118
	6.50	0.81	94	126	379	2.20	2.20	94	145	320	0.12	0.06	94	239	229
	6.00	1.20	23	178	285	1.94	0.49	94	109	407					
Light dusky rockfish	25.90	1.36	94	180	152	5.20	0.74	23	250	93	1.40	1.40	94	83	166
	15.45	1.29	23	94	93	4.14	1.38	23	124	120	1.40	1.40	94	159	173
	11.10	1.01	94	92	119	2.80	1.40	23	6	240	1.30	1.30	94	17	167
	10.10	1.12	23	172	122	2.60	1.30	23	10	90	1.23	1.23	23	97	319
	8.83	1.10	23	174	165	2.35	1.18	23	143	130	1.21	0.60	94	179	98
	8.10	1.62	94	15	115	1.94	0.97	23	173	145	1.20	1.20	23	12	190
	7.71	1.10	94	7	90	1.49	1.49	94	20	95	1.17	0.20	94	8	97
	6.81	1.36	23	175	224	1.48	1.48	23	185	145	0.97	0.97	94	19	191
Harlequin rockfish	6.67	0.51	23	176	169	0.60	0.60	23	203	114	0.43	0.43	94	98	255
	6.15	0.47	23	173	145	0.59	0.59	23	189	242	0.42	0.42	23	124	120
	1.98	0.49	23	185	145	0.50	0.50	23	230	227	0.38	0.38	94	102	195
	1.18	0.59	23	200	160	0.47	0.47	23	174	165					
	0.64	0.08	23	172	122	0.43	0.43	23	175	224					
Atka mackerel	14,647.26	1.43	94	7	90	5,399.99	0.59	23	247	95	2,983.34	1.13	23	68	163
	9,577.87	0.71	23	143	130	4,043.92	0.73	94	180	152	2,239.46	0.67	23	250	93
	9,434.02	0.77	23	182	122	3,764.72	0.83	23	174	165	1,710.50	0.63	23	198	132
	7,228.83	0.41	94	214	138	3,649.20	0.59	23	199	93	1,685.30	0.37	23	157	93
	6,551.55	0.89	94	136	124	3,251.60	1.00	94	92	119	1,569.90	0.47	94	179	98

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight			Individual weight			Gear depth			Catch weight			Individual weight			Gear depth				
	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul	(m)
Atka mackerel	1,221.60	0.68	23	195	112	7.10	0.44	94	194	102	0.91	0.91	23	72	160	0.91	0.91	23	72	160
	906.10	1.05	94	114	95	5.70	1.14	94	113	96	0.89	0.89	23	248	175	0.89	0.89	23	248	175
	803.78	1.09	94	57	171	5.10	0.85	23	245	142	0.88	0.88	94	152	141	0.88	0.88	94	152	141
	580.70	0.66	94	200	154	4.40	1.47	23	10	90	0.86	0.86	23	177	218	0.86	0.86	23	177	218
	562.20	0.87	23	116	87	4.40	2.20	94	13	92	0.82	0.82	23	145	402	0.82	0.82	23	145	402
	554.50	0.68	94	162	158	4.10	0.51	94	67	81	0.81	0.81	23	175	224	0.81	0.81	23	175	224
	436.30	0.71	94	171	154	3.66	0.73	23	197	88	0.75	0.75	23	244	248	0.75	0.75	23	244	248
	396.50	0.66	94	161	96	3.10	0.78	23	70	232	0.75	0.75	23	220	146	0.75	0.75	23	220	146
	310.50	0.62	94	219	136	2.90	1.45	94	3	93	0.70	0.70	94	223	94	0.70	0.70	94	223	94
	252.80	0.21	94	192	182	2.90	1.45	94	4	140	0.68	0.68	94	227	143	0.68	0.68	94	227	143
	211.00	0.67	94	215	117	2.90	0.97	94	83	166	0.64	0.64	23	211	219	0.64	0.64	23	211	219
	180.80	0.64	23	215	169	2.57	1.29	23	154	67	0.59	0.59	94	149	227	0.59	0.59	94	149	227
	180.20	1.82	94	12	97	2.54	0.64	94	202	192	0.52	0.26	94	198	164	0.52	0.26	94	198	164
	155.40	0.33	23	203	114	2.41	0.48	94	206	161	0.51	0.51	23	191	93	0.51	0.51	23	191	93
	84.50	0.89	23	176	169	1.95	1.95	94	11	148	0.50	0.50	94	225	210	0.50	0.50	94	225	210
	83.20	0.78	23	240	149	1.95	0.39	94	204	94	0.45	0.45	23	208	116	0.45	0.45	23	208	116
	71.70	0.66	23	212	185	1.63	1.63	23	57	128	0.43	0.43	94	221	89	0.43	0.43	94	221	89
	61.60	0.72	23	183	89	1.47	0.49	94	186	176	0.41	0.14	23	141	90	0.41	0.14	23	141	90
	61.30	0.60	94	201	131	1.43	0.72	94	230	121	0.41	0.41	23	202	272	0.41	0.41	23	202	272
	56.40	0.72	23	251	182	1.37	0.69	94	231	87	0.38	0.38	94	197	175	0.38	0.38	94	197	175
	54.10	1.87	94	10	77	1.30	0.65	94	94	89	0.35	0.35	94	115	89	0.35	0.35	94	115	89
	32.20	0.59	94	164	96	1.28	1.28	94	56	93	0.32	0.32	23	90	124	0.32	0.32	23	90	124
	21.10	0.60	94	243	157	1.24	1.24	23	126	240	0.28	0.14	23	44	92	0.28	0.14	23	44	92
18.80	0.55	23	155	70	1.16	1.16	94	58	455	0.27	0.14	94	38	96	0.27	0.14	94	38	96	
16.00	0.20	94	160	73	1.14	0.57	23	172	122	0.16	0.16	23	2	91	0.16	0.16	23	2	91	
12.10	0.61	94	165	210	1.13	0.38	94	199	160	0.16	0.16	94	81	357	0.16	0.16	94	81	357	
11.70	0.65	94	213	241	1.06	1.06	23	66	92	0.15	0.15	23	89	99	0.15	0.15	23	89	99	
10.10	0.78	94	159	173	1.05	0.18	94	205	99	0.14	0.14	94	143	95	0.14	0.14	94	143	95	
8.60	0.66	94	245	238	0.99	0.99	94	61	151	0.08	0.08	94	148	100	0.08	0.08	94	148	100	
8.40	0.28	94	193	126	0.97	0.97	94	82	175											
8.00	0.62	94	216	102	0.93	0.13	23	42	67											
Walleye pollock	5,823.73	1.08	94	7	90	1,294.69	1.03	23	176	169	620.20	1.37	94	80	278	620.20	1.37	94	80	278
	2,753.65	1.02	23	175	224	1,125.10	1.47	94	177	228	608.80	0.91	23	1	121	608.80	0.91	23	1	121
	2,576.30	1.14	23	67	237	952.78	1.01	23	177	218	582.20	1.50	23	40	324	582.20	1.50	23	40	324
	2,148.40	1.18	94	17	167	915.50	1.58	23	249	168	568.60	1.31	94	20	95	568.60	1.31	94	20	95
	1,670.00	1.45	23	148	275	783.50	0.97	23	4	164	553.40	1.40	94	134	274	553.40	1.40	94	134	274
	1,491.10	1.16	23	212	185	637.20	1.22	23	9	129	552.40	1.12	23	127	222	552.40	1.12	23	127	222

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight			Individual weight			Gear depth			Species	Catch weight			Individual weight			Gear depth		
	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul		(m)	(kg/km ²)	(kg)	Vessel	Haul	(m)			
Walleye	501.50	1.29	94	90	284	70.70	1.31	23	81	305	15.60	0.87	94	3	93				
pollock	429.00	1.21	94	55	291	70.30	0.34	23	102	151	15.60	1.42	94	181	392				
	415.60	1.26	94	189	269	68.60	1.32	94	116	219	15.40	1.10	94	118	332				
	409.40	0.75	23	174	165	62.90	0.93	23	179	215	14.40	1.20	94	217	282				
	402.50	1.65	94	176	271	60.60	1.14	94	242	234	14.10	0.64	94	18	67				
	398.70	1.20	23	222	251	57.10	1.00	94	183	243	14.10	0.83	94	19	191				
	356.70	1.37	23	246	231	56.10	1.37	94	218	258	13.70	1.25	23	202	272				
	327.20	1.05	94	1	134	53.30	0.97	94	98	255	13.50	1.35	23	149	326				
	322.00	1.09	94	185	273	42.30	1.08	23	16	116	13.00	1.00	94	166	348				
	290.70	1.52	23	52	329	42.20	0.52	94	154	185	12.70	0.20	23	207	139				
	290.30	1.17	94	182	269	41.30	1.21	23	97	319	10.80	0.07	23	125	150				
	275.80	0.77	94	8	97	40.60	1.10	23	241	226	10.10	0.92	94	151	402				
	243.20	1.00	94	52	254	38.00	1.09	94	5	292	9.90	1.41	94	144	287				
	226.40	1.22	23	244	248	37.70	1.11	23	242	255	9.90	0.90	94	216	102				
	216.30	1.10	23	211	219	36.90	1.37	94	42	316	9.70	0.46	23	23	272				
	211.20	1.40	23	3	246	35.50	1.18	23	189	242	9.50	0.28	23	48	226				
	207.10	1.42	94	246	230	34.00	1.36	94	74	219	9.46	1.58	23	136	208				
	204.10	1.00	94	2	126	33.50	1.16	23	126	240	9.30	0.33	23	73	217				
	201.30	1.14	23	169	256	31.10	1.11	23	33	325	9.20	1.02	94	105	261				
	198.60	1.07	94	11	148	30.10	1.20	94	137	317	8.60	1.43	94	58	455				
	177.70	1.32	94	81	357	28.90	0.23	94	76	212	8.60	0.96	94	212	234				
	173.20	1.13	23	65	271	28.30	0.98	94	214	138	8.30	1.38	94	226	176				
	171.90	1.13	94	213	241	24.90	0.83	23	178	285	7.30	0.56	23	213	120				
	160.90	1.09	23	86	275	24.40	0.98	23	11	326	7.20	0.80	94	162	158				
	157.50	1.18	23	6	240	24.00	1.20	94	245	238	7.20	0.07	94	69	93				
	154.90	1.14	94	108	243	23.40	0.30	23	156	144	7.10	1.18	94	110	343				
	144.30	0.27	23	155	70	22.90	0.60	23	215	169	7.00	1.00	94	4	140				
	132.00	1.16	23	92	323	22.70	1.62	23	251	182	7.00	1.17	94	97	317				
	108.70	1.22	23	98	315	22.30	0.31	23	59	88	6.70	1.34	94	103	325				
	108.30	0.90	23	173	145	21.50	2.69	23	250	93	6.67	0.39	23	110	190				
	103.70	1.25	94	127	306	21.40	0.82	94	35	346	6.60	0.55	94	215	117				
	96.00	0.83	94	9	86	20.60	1.21	94	39	323	6.40	0.38	94	228	181				
	89.80	1.10	23	56	241	20.43	0.28	23	172	122	6.37	1.06	23	112	231				
	89.00	0.97	94	190	244	20.00	0.27	94	148	100	6.10	0.55	94	36	238				
	85.30	1.20	94	117	204	19.00	1.58	94	65	147	6.05	1.21	94	150	276				
	79.45	0.92	94	165	210	18.40	1.31	23	60	168	5.70	0.34	23	12	190				
	79.00	1.14	94	70	256	17.80	0.89	94	6	444	5.30	1.33	23	49	384				
	74.50	1.55	23	240	149	16.57	1.10	94	149	227	5.10	1.28	23	68	163				
	73.10	0.96	23	248	175	16.10	1.24	23	111	281	5.10	1.28	94	135	394				

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight			Individual weight			Gear depth			Catch weight (kg/km ²)	Individual weight			Gear depth		
	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul		(m)	(kg/km ²)	(kg)	Vessel	Haul	(m)
Walleye pollock	5.10	0.30	94	186	176	3.70	0.74	23	184	211	2.83	0.31	23	109	176	
	4.84	0.22	23	121	119	3.60	1.20	94	12	97	2.70	1.35	94	158	318	
	4.65	0.58	23	161	252	3.58	0.15	94	112	147	2.67	1.34	23	171	211	
	4.50	0.90	23	214	335	3.40	1.13	23	230	227	2.64	0.04	94	21	109	
	4.40	0.88	94	51	414	3.32	0.37	23	164	159	2.42	0.20	23	58	122	
	4.40	1.47	94	202	192	3.32	1.11	94	50	319	2.40	1.20	23	57	128	
	4.25	0.71	94	206	161	3.30	1.10	94	27	411	2.29	1.14	94	62	249	
	4.20	0.70	94	129	238	3.20	0.32	23	24	82	2.24	0.75	23	66	92	
	4.12	1.03	23	232	383	3.10	0.34	23	50	216	2.20	1.10	23	55	213	
	4.10	0.68	23	2	91	3.10	0.31	94	77	225	2.04	0.15	94	139	156	
	3.90	0.98	94	240	276	3.00	0.30	94	219	136	2.00	0.50	94	155	175	
	3.76	0.94	23	187	353	2.92	0.29	23	105	201	1.92	1.92	94	66	116	
	3.71	0.74	23	158	278	2.84	0.71	23	200	160	1.90	0.14	94	171	154	
Pacific cod	1,186.50	6.21	94	57	171	179.10	1.42	23	124	120	108.80	3.30	23	171	211	
	892.10	9.59	94	179	98	174.50	3.17	94	83	166	106.30	3.94	23	198	132	
	757.80	5.57	23	174	165	170.06	3.15	23	136	208	101.60	2.07	23	173	145	
	633.10	4.76	23	10	90	168.40	9.91	94	59	121	101.00	3.16	94	76	212	
	482.90	6.53	94	92	119	166.00	3.19	94	54	143	97.00	2.94	23	5	59	
	467.40	3.22	23	135	164	165.10	4.72	23	182	122	95.40	5.61	94	56	93	
	426.60	7.62	23	199	93	162.20	3.38	23	183	89	89.90	4.49	23	69	143	
	417.30	5.96	94	7	90	152.10	6.91	94	180	152	88.26	2.76	23	192	154	
	408.70	2.65	23	129	83	151.60	2.97	94	132	100	88.10	2.10	94	8	97	
	407.50	5.03	23	143	130	138.60	2.31	94	128	141	86.30	8.63	23	247	95	
	393.90	3.13	23	48	226	134.50	3.74	94	162	158	85.00	3.86	23	138	113	
	360.90	0.78	23	188	85	134.40	1.06	23	186	88	83.00	3.95	23	14	44	
	326.20	4.29	94	49	273	132.50	5.52	94	243	157	80.45	2.37	23	96	145	
	308.80	2.10	23	130	135	130.20	1.94	23	101	153	79.70	1.90	23	114	177	
	295.50	3.08	23	144	145	127.70	2.16	23	100	154	77.70	3.70	23	87	214	
	294.70	6.70	23	240	149	121.80	2.44	94	77	225	77.50	2.87	23	56	241	
	280.87	2.01	23	125	150	119.30	3.73	94	61	151	76.90	2.96	23	142	217	
	251.80	3.87	23	203	114	116.30	2.42	94	225	210	75.90	2.92	23	30	209	
	251.70	2.25	94	236	266	113.10	3.90	23	9	129	75.40	2.60	23	73	217	
	223.90	10.18	94	223	94	113.10	1.95	23	172	122	73.90	2.24	94	117	204	
222.90	2.04	23	105	201	111.70	6.21	23	68	163	72.30	3.44	94	201	131		
216.90	9.04	23	80	153	111.40	2.93	23	226	211	72.00	6.55	23	72	160		
189.70	4.22	23	185	145	111.40	1.66	94	123	154	71.60	3.98	94	159	173		
186.60	4.34	94	48	277	109.05	4.54	94	165	210	69.30	2.67	94	32	264		

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight			Individual weight			Gear depth			Catch weight (kg/km ²)	Individual weight			Gear depth		
	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul		(m)	(kg/km ²)	(kg)	Vessel	Haul	(m)
Pacific cod	66.80	4.77	94	28	250	35.20	2.93	94	25	174	22.60	2.83	23	23	272	
	66.60	3.51	94	70	256	34.60	1.92	23	109	176	22.60	3.77	23	52	329	
	64.10	1.39	94	171	154	34.60	1.57	94	133	183	22.10	1.00	23	24	82	
	63.40	6.34	94	200	154	34.30	3.12	94	33	182	20.90	2.61	94	65	147	
	62.10	12.42	23	157	93	34.20	3.80	23	55	213	20.80	1.89	23	194	161	
	58.10	4.47	23	245	142	34.00	1.48	94	122	156	20.50	1.58	23	66	92	
	57.70	2.51	23	8	85	33.90	0.69	94	23	91	20.10	3.35	23	112	231	
	57.20	4.77	94	136	124	33.80	8.45	94	157	124	19.60	2.80	23	230	227	
	56.90	1.78	23	155	70	33.50	4.19	23	209	172	19.10	9.55	94	146	148	
	56.90	2.99	94	192	182	33.45	2.79	94	164	96	18.80	2.09	23	163	98	
	54.20	2.17	23	219	222	32.20	4.60	94	190	244	18.70	1.17	94	121	156	
	54.20	2.08	94	79	236	31.80	1.22	94	193	126	18.60	1.69	94	161	96	
	53.60	3.35	94	46	240	31.50	2.63	94	21	109	18.50	1.85	94	12	97	
	53.50	10.70	23	217	93	31.00	5.17	23	204	92	18.30	1.53	94	111	146	
	53.20	3.33	94	141	159	30.90	5.15	94	199	160	18.20	6.07	94	20	95	
	52.60	1.07	94	9	86	30.40	2.53	23	196	193	18.10	1.81	23	59	88	
	50.70	7.24	94	198	164	30.20	10.07	23	218	113	17.70	3.54	23	39	202	
	49.30	2.59	94	74	219	30.10	5.02	94	37	221	17.40	5.80	94	222	120	
	48.70	3.04	23	57	128	29.70	2.70	23	31	250	17.10	2.85	94	172	166	
	48.60	5.40	23	227	156	29.00	2.64	23	58	122	16.80	4.20	94	197	175	
	47.80	4.35	94	36	238	28.80	2.88	23	92	323	16.50	8.25	23	156	144	
	46.90	1.74	94	2	126	27.90	3.10	94	230	121	16.40	4.10	23	200	160	
	46.70	0.97	23	234	172	27.20	3.40	23	7	91	16.30	5.43	23	216	133	
	46.30	2.89	94	177	228	26.60	3.80	94	156	123	16.20	2.31	23	106	144	
	45.90	3.06	23	1	121	26.00	2.89	23	88	201	16.20	4.05	94	1	134	
	45.70	3.52	23	40	324	25.50	3.64	94	212	234	16.10	4.03	23	50	216	
	45.40	2.16	94	129	238	25.40	8.47	94	15	115	15.90	1.77	94	10	77	
	45.20	3.01	23	220	146	25.20	1.68	94	13	92	15.90	2.65	94	176	271	
	44.20	0.78	23	205	87	25.10	1.93	23	16	116	15.80	2.63	23	65	271	
	40.90	2.73	23	176	169	24.60	6.15	23	12	190	15.50	2.58	23	149	326	
	40.50	3.68	94	227	143	24.10	2.01	23	126	240	15.30	2.19	23	78	173	
	40.10	2.67	94	52	254	24.10	2.41	23	148	275	15.30	2.55	23	111	281	
	39.50	3.29	23	175	224	24.10	1.34	94	75	143	15.30	5.10	94	86	327	
	38.20	3.18	23	154	67	23.70	3.39	23	134	377	15.20	1.38	23	221	146	
	38.20	1.66	23	228	174	23.60	2.15	94	228	181	15.10	2.16	94	68	81	
38.00	3.45	23	189	242	23.10	7.70	94	246	230	15.05	3.76	23	51	231		
37.20	2.07	94	174	49	22.90	3.27	94	186	176	14.75	4.92	23	131	126		
36.40	2.43	94	134	274	22.80	7.60	23	246	231	14.40	2.06	23	127	222		
35.80	2.39	23	76	232	22.70	2.06	94	170	151	14.30	2.04	94	98	255		

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight			Individual weight			Gear depth			Species	Catch weight			Individual weight			Gear depth		
	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul		(m)	(kg/km ²)	(kg)	Vessel	Haul	(m)			
Pacific cod	14.20	2.84	23	115	210	8.50	2.13	23	95	146	4.60	4.60	23	164	159				
	14.20	7.10	94	114	95	8.10	8.10	23	191	93	4.55	2.28	94	148	100				
	14.10	2.35	23	222	251	8.10	2.03	94	106	180	4.50	2.25	23	53	338				
	14.10	4.70	94	120	115	7.90	3.95	94	41	236	4.35	4.35	23	38	235				
	14.00	14.00	94	85	189	7.70	1.93	94	143	95	4.05	2.03	94	239	229				
	14.00	4.67	94	94	89	7.60	2.53	94	11	148	3.97	1.32	23	139	179				
	13.80	13.80	94	208	65	7.60	3.80	94	99	149	3.70	0.41	94	235	124				
	13.70	13.70	94	167	124	7.40	3.70	23	180	368	3.69	0.74	23	94	93				
	13.20	2.64	94	18	67	7.40	3.70	94	189	269	3.60	3.60	23	35	38				
	13.00	0.65	94	69	93	7.20	2.40	94	112	147	3.60	1.80	94	102	195				
	13.00	2.60	94	118	332	7.00	2.33	94	55	291	3.50	3.50	23	60	168				
	12.90	2.58	23	86	275	6.90	6.90	94	60	88	3.40	3.40	94	22	91				
	12.90	2.58	94	97	317	6.90	1.38	94	137	317	3.32	1.66	23	168	118				
	12.90	2.58	94	207	163	6.80	6.80	94	205	99	3.10	1.55	23	116	87				
	12.90	6.45	94	226	176	6.60	6.60	23	150	139	3.10	3.10	94	221	89				
	12.70	2.54	23	224	179	6.60	3.30	94	34	227	2.90	2.90	94	53	141				
	12.60	2.52	23	67	237	6.50	1.30	23	2	91	2.80	2.80	94	63	228				
	12.50	3.13	94	44	283	6.40	2.13	94	127	306	2.70	0.90	94	31	229				
	12.30	2.05	23	3	246	6.20	3.10	23	11	326	2.70	2.70	94	62	249				
	12.20	6.10	94	82	175	6.20	1.03	94	71	128	2.50	2.50	23	63	356				
	12.20	6.10	94	135	394	6.10	3.05	23	6	240	2.40	2.40	94	183	243				
	12.20	0.64	94	139	156	6.05	6.05	23	91	151	2.31	2.31	94	209	172				
	12.00	12.00	23	162	116	6.00	3.00	23	70	232	2.23	0.45	94	73	107				
	12.00	2.40	23	179	215	6.00	1.50	94	108	243	2.18	2.18	94	169	390				
	12.00	1.50	94	142	236	5.90	1.18	23	193	164	2.17	2.17	94	90	284				
	11.40	2.85	94	116	219	5.80	0.97	94	4	140	2.10	2.10	94	131	117				
	11.20	2.80	94	91	262	5.80	2.90	94	81	357	2.10	0.42	94	173	123				
	11.10	11.10	94	147	134	5.60	2.80	94	104	251	2.02	2.02	94	187	136				
	10.90	2.73	23	64	143	5.53	2.77	23	93	153	2.00	2.00	23	15	112				
	10.80	2.70	94	80	278	5.50	2.75	23	79	219	1.84	1.84	23	123	346				
	10.20	2.55	94	113	96	5.50	1.83	23	177	218	1.84	1.84	23	113	366				
	10.10	3.37	94	19	191	5.50	1.10	94	3	93	1.80	0.60	94	95	136				
10.00	10.00	94	224	176	5.40	2.70	94	160	73	1.70	1.70	23	98	315					
9.90	2.48	94	138	188	5.39	2.70	23	104	164	1.59	1.59	94	110	343					
9.90	4.95	94	245	238	5.20	0.47	23	121	119	1.48	1.48	23	81	305					
9.17	1.53	23	110	190	5.20	2.60	23	187	353	1.45	1.45	94	126	379					
9.10	9.10	94	100	95	5.00	1.67	94	103	325	1.40	0.70	94	66	116					
8.90	4.45	23	184	211	4.70	2.35	23	21	107	1.30	1.30	94	188	112					
8.60	1.43	94	67	81	4.70	4.70	94	211	154	1.20	0.40	94	105	261					

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight		Individual weight		Gear depth (m)	Catch weight		Individual weight		Gear depth (m)	Catch weight		Individual weight		Gear depth (m)
	(kg/km ²)	(kg)	Vessel	Haul		(kg/km ²)	(kg)	Vessel	Haul		(kg/km ²)	(kg)	Vessel	Haul	
Sablefish	142.20	3.03	94	55	291	13.40	2.68	23	67	237	3.20	3.20	23	3	246
	138.00	1.89	94	127	306	12.50	4.17	94	58	455	3.20	3.20	94	35	346
	124.50	4.15	94	220	465	11.70	2.34	94	118	332	2.99	2.99	23	71	419
	89.60	2.72	23	149	326	9.50	2.38	23	65	271	2.97	1.48	94	109	407
	89.60	2.80	94	137	317	8.70	4.35	23	74	397	2.89	0.48	94	19	191
	78.70	3.58	23	170	330	6.80	3.40	94	90	284	2.86	2.86	94	104	251
	47.90	2.99	94	135	394	6.80	3.40	94	163	474	2.80	2.80	23	92	323
	37.00	3.36	94	177	228	5.80	5.80	94	195	437	2.50	2.50	23	63	356
	33.40	2.78	94	6	444	5.40	2.70	23	75	457	2.33	2.33	23	97	319
	30.80	3.42	23	52	329	5.20	5.20	23	81	305	1.60	1.60	94	70	256
	27.70	3.46	94	134	274	4.91	4.91	23	147	402	1.57	1.57	94	130	370
	24.40	1.88	94	51	414	4.66	2.33	23	123	346	1.38	1.38	94	39	323
	20.10	2.01	23	148	275	4.50	4.50	23	70	232	1.20	1.20	94	105	261
	18.70	3.74	23	86	275	4.30	2.15	94	64	413	0.37	0.37	94	20	95
	16.50	3.30	94	229	401	4.30	4.30	94	110	343	0.31	0.16	94	115	89
	15.10	3.78	94	97	317	4.04	4.04	23	190	426					
	Arrowtooth flounder	799.10	0.99	23	21	107	164.93	2.11	23	148	275	106.68	2.13	94	55
728.90		4.36	94	165	210	152.20	1.19	94	209	172	102.10	1.23	23	249	168
496.30		1.92	23	3	246	148.90	0.94	23	196	193	98.59	1.30	23	98	315
391.60		1.43	94	5	292	147.60	3.01	23	123	346	98.30	1.28	94	226	176
387.20		1.08	94	41	236	144.00	1.04	94	105	261	98.00	0.92	94	104	251
360.20		0.70	94	25	174	143.70	1.00	94	102	195	95.20	1.61	94	63	228
358.30		0.57	23	216	133	139.30	0.51	23	17	91	93.40	1.26	23	64	143
341.90		1.09	94	46	240	139.30	0.45	94	21	109	92.70	1.75	23	6	240
322.20		1.75	23	189	242	135.50	1.52	94	189	269	89.15	0.80	23	104	164
321.10		1.70	23	136	208	130.30	2.96	23	230	227	88.80	1.74	23	11	326
306.40		1.94	94	225	210	127.10	0.94	23	115	210	87.50	2.08	94	206	161
295.00		0.82	94	15	115	127.00	1.51	94	35	346	86.00	0.40	94	16	94
273.50		1.76	94	134	274	124.40	0.67	23	109	176	84.80	0.44	94	1	134
270.40		0.82	94	13	92	124.00	1.91	23	228	174	83.76	0.36	23	102	151
248.50		0.51	94	4	140	121.10	0.75	94	210	137	82.50	1.65	23	209	172
243.70		0.60	23	9	129	120.90	0.81	94	12	97	78.40	2.12	94	137	317
210.20		0.91	23	70	232	120.25	1.20	94	11	148	77.20	0.27	94	20	95
209.30		0.34	94	67	81	118.20	1.64	23	193	164	76.50	1.34	94	52	254
185.30		1.30	23	52	329	117.89	0.84	94	17	167	76.30	0.57	23	60	168
178.70		0.84	94	133	183	109.60	0.27	94	68	81	76.30	2.06	94	117	204
174.80	0.74	23	12	190	107.90	0.88	23	1	121	75.60	1.10	94	235	124	

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight			Individual weight			Gear depth			Catch weight			Individual weight			Gear depth				
	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul	(m)
Arrowtooth	70.20	1.85	94	6	444	35.30	0.54	23	58	122	19.00	1.73	23	114	177					
flounder	65.80	1.78	23	67	237	34.60	1.05	23	232	383	18.50	2.64	23	134	377					
	64.30	0.37	94	112	147	34.50	1.92	94	70	256	18.40	0.56	94	228	181					
	64.15	3.77	23	86	275	34.00	1.21	23	23	272	17.94	2.99	23	184	211					
	63.00	1.15	94	108	243	33.20	0.52	94	75	143	17.90	2.98	23	126	240					
	62.80	1.53	23	33	325	33.20	0.48	94	237	231	17.60	0.17	23	235	181					
	60.70	0.23	94	8	97	33.11	0.31	23	120	94	16.90	1.69	23	251	182					
	60.10	0.25	23	59	88	32.40	2.16	23	219	222	16.80	0.37	94	120	115					
	59.90	0.42	94	19	191	31.90	1.23	23	159	170	16.50	0.18	23	16	116					
	58.70	1.54	94	192	182	31.40	1.96	23	223	398	16.45	1.83	23	97	319					
	58.30	1.08	94	31	229	30.30	3.03	94	81	357	16.30	0.56	94	139	156					
	58.20	0.90	94	207	163	28.90	0.14	94	69	93	16.20	2.31	23	179	215					
	56.58	0.72	94	73	107	28.80	0.35	94	111	146	15.50	0.74	23	51	231					
	55.90	1.19	94	142	236	28.60	0.14	23	26	90	15.36	0.96	94	65	147					
	54.00	0.24	94	9	86	27.90	0.18	23	24	82	15.30	2.55	94	62	249					
	53.80	1.20	23	226	211	27.50	0.61	23	57	128	15.20	1.17	94	39	323					
	51.00	0.58	94	2	126	27.50	2.29	23	222	251	15.19	0.95	94	49	273					
	49.50	0.93	94	3	93	26.60	0.35	23	236	121	15.03	0.56	23	110	190					
	47.70	1.70	23	56	241	26.00	2.89	94	127	306	14.70	1.84	94	135	394					
	46.50	1.50	23	171	211	25.90	3.24	23	161	252	14.40	0.21	23	15	112					
	45.60	1.90	23	227	156	25.90	1.08	23	192	154	14.20	0.14	94	18	67					
	45.50	1.38	94	129	238	25.70	1.61	94	190	244	14.00	2.00	94	181	392					
	44.70	0.93	23	30	209	24.80	0.28	23	5	59	13.90	0.32	94	72	94					
	44.70	2.13	23	40	324	24.80	0.44	94	173	123	13.88	0.15	94	121	156					
	43.90	2.93	23	170	330	24.60	0.31	23	221	146	13.60	0.72	23	2	91					
	43.30	1.73	94	90	284	24.30	0.15	23	28	93	13.30	3.33	94	184	466					
	42.90	2.26	94	245	238	24.30	0.84	94	203	190	13.20	0.21	94	66	116					
	42.48	2.02	94	27	411	24.20	1.42	23	194	161	13.10	1.01	23	7	91					
	42.10	0.58	23	207	139	23.30	0.75	23	224	179	12.50	0.23	23	27	89					
	42.00	2.63	94	212	234	22.80	2.85	94	118	332	12.30	2.46	23	244	248					
	41.80	0.45	94	10	77	21.90	0.13	23	29	91	11.81	1.07	94	110	343					
	41.00	0.76	23	208	116	21.80	1.82	23	112	231	11.80	0.27	23	121	119					
	40.60	2.26	23	49	384	21.30	1.33	23	4	164	11.80	0.22	23	172	122					
	38.70	2.04	23	127	222	20.80	0.58	23	234	172	11.75	0.62	23	101	153					
	38.40	3.84	94	241	237	20.50	0.15	23	19	75	11.60	1.66	94	42	316					
	38.10	0.93	23	55	213	20.30	0.92	94	138	188	11.50	0.22	23	18	87					
	37.75	1.30	23	160	173	20.10	1.83	23	164	159	11.40	2.85	94	155	175					
	37.40	1.25	23	105	201	20.05	0.65	94	227	143	10.63	1.33	23	174	165					
	36.30	0.31	94	71	128	19.30	1.61	94	177	228	10.50	0.66	94	32	264					

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight		Individual weight		Gear depth (m)	Catch weight		Individual weight		Gear depth (m)	Catch weight		Individual weight		Gear depth (m)
	(kg/km ²)	(kg)	Vessel	Haul		(kg/km ²)	(kg)	Vessel	Haul		(kg/km ²)	(kg)	Vessel	Haul	
Arrowtooth flounder	10.40	2.60	23	81	305	6.40	2.13	94	86	327	3.80	1.27	23	62	359
	10.20	2.04	23	113	366	5.95	1.49	94	154	185	3.75	0.94	94	123	154
	9.65	1.61	94	91	262	5.90	0.54	23	238	172	3.60	0.26	94	101	111
	9.60	2.40	94	186	176	5.70	0.38	23	61	107	3.60	3.60	94	144	287
	8.96	1.79	23	149	326	5.70	0.95	94	53	141	3.60	3.60	94	176	271
	8.94	2.24	23	241	226	5.68	0.47	23	106	144	3.55	1.78	23	94	93
	8.90	1.11	94	51	414	5.40	0.15	94	231	87	3.50	0.88	23	99	374
	8.80	1.26	23	215	169	5.30	0.88	23	48	226	3.21	1.07	94	187	136
	8.20	2.73	23	180	368	5.20	0.17	94	23	91	3.20	3.20	94	246	230
	8.20	2.05	23	248	175	5.20	2.60	94	97	317	3.10	0.52	23	220	146
	8.10	2.70	94	169	390	5.00	0.83	23	116	87	3.10	1.03	94	122	156
	7.60	1.27	94	76	212	4.90	1.63	94	213	241	3.10	1.03	94	74	219
	7.43	3.72	23	175	224	4.82	0.40	23	182	122	3.00	0.50	23	108	109
	7.40	1.06	94	236	266	4.69	1.17	23	169	256	3.00	0.50	94	222	120
	7.20	0.16	23	10	90	4.47	0.89	23	93	153	3.00	0.27	94	230	121
	7.20	0.72	23	73	217	4.40	0.18	94	22	91	2.90	2.90	94	80	278
	7.10	2.37	94	196	453	4.30	4.30	94	150	276	2.90	0.26	94	106	180
	7.00	0.70	23	31	250	4.20	0.60	94	183	243	2.70	1.35	94	130	370
	7.00	1.00	94	182	269	4.10	0.27	94	232	92	2.60	0.20	23	22	118
	6.95	2.32	23	158	278	4.00	1.33	94	28	250	2.60	0.22	94	170	151
6.90	3.45	23	202	272	4.00	0.80	94	126	379	2.50	0.11	94	14	97	
6.90	1.15	94	239	229	3.90	0.15	23	233	154	2.50	0.19	94	221	89	
6.80	0.19	23	205	87	3.90	1.30	94	109	407	2.38	0.13	94	131	117	
6.50	1.08	23	65	271	3.81	0.95	23	111	281	2.36	1.18	94	238	389	
Pacific halibut	470.38	3.27	23	20	78	133.41	4.94	23	27	89	94.53	10.50	23	218	113
	351.12	5.66	23	68	163	130.45	7.25	94	45	193	93.41	9.34	94	84	168
	238.53	2.54	23	14	44	130.13	18.59	94	44	283	92.93	6.20	94	82	175
	223.43	4.65	94	7	90	127.61	5.32	94	59	121	92.49	7.11	94	83	166
	184.21	2.25	23	206	78	114.12	19.02	23	157	93	92.13	4.19	23	28	93
	171.03	7.77	23	131	126	113.54	16.22	94	211	154	91.91	5.11	94	22	91
	162.97	6.27	94	120	115	111.12	12.35	94	16	94	88.15	8.81	23	72	160
	149.59	5.54	94	141	159	109.61	5.48	23	96	145	88.13	3.26	23	10	90
	148.32	5.49	94	57	171	106.59	7.11	94	29	113	86.93	21.73	94	147	134
	144.21	7.21	94	223	94	104.36	3.37	23	46	127	86.51	21.63	94	81	357
	142.11	4.90	23	118	87	101.56	4.62	23	21	107	84.61	21.15	94	119	96
	141.25	4.15	23	32	113	100.51	11.17	94	47	173	81.77	20.44	23	159	170
	137.24	9.80	94	30	130	97.92	6.99	94	88	211	81.24	3.69	23	133	109

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight		Individual weight		Gear depth (m)	Catch weight		Individual weight		Gear depth (m)	Catch weight		Individual weight		Gear depth (m)
	(kg/km ²)	(kg)	Vessel	Haul		(kg/km ²)	(kg)	Vessel	Haul		(kg/km ²)	(kg)	Vessel	Haul	
Pacific halibut	80.28	6.18	94	14	97	46.53	23.27	23	12	190	31.88	10.63	94	157	124
	80.23	6.17	23	130	135	46.50	7.75	23	16	116	31.86	7.96	94	102	195
	79.70	4.43	23	231	86	46.26	11.56	94	192	182	31.85	6.37	94	95	136
	79.21	15.84	94	168	96	45.84	22.92	23	167	222	31.82	10.61	23	37	181
	76.05	5.07	23	144	145	45.79	9.16	94	46	240	31.40	5.23	94	139	156
	74.66	12.44	94	117	204	45.25	15.08	94	209	172	31.24	0.89	94	208	65
	73.95	12.32	23	87	214	44.83	22.41	94	224	176	30.70	15.35	23	238	172
	73.41	6.12	23	100	154	44.33	2.77	23	47	131	30.63	15.31	23	189	242
	72.90	4.56	23	29	91	44.25	4.02	94	89	168	30.59	3.82	94	4	140
	72.51	1.77	23	5	59	44.21	6.32	23	77	148	30.23	6.05	94	20	95
	72.00	3.43	94	8	97	44.12	22.06	23	186	88	29.10	29.10	23	219	222
	69.67	5.36	94	115	89	43.34	43.34	23	195	112	28.38	28.38	94	171	154
	68.49	4.28	94	40	170	42.96	2.26	23	8	85	28.34	14.17	94	212	234
	67.12	5.16	23	135	164	42.29	14.10	94	76	212	27.70	4.62	23	119	93
	66.53	2.22	23	7	91	42.29	14.10	94	77	225	27.13	3.01	94	60	88
	66.30	2.76	23	128	52	42.07	2.00	23	132	89	27.02	1.80	94	132	100
	65.29	5.94	23	83	205	41.35	3.45	23	24	82	26.88	4.48	94	26	71
	64.90	7.21	23	18	87	41.13	8.23	94	143	95	26.43	8.81	23	209	172
	64.58	3.59	94	18	67	41.10	2.28	94	13	92	25.84	3.23	94	100	95
	64.11	7.12	94	25	174	40.83	6.80	23	60	168	25.61	2.85	94	101	111
	63.70	3.18	94	12	97	40.46	13.49	94	138	188	24.37	4.06	94	38	96
	62.79	5.71	23	95	146	38.26	12.75	94	123	154	24.33	24.33	94	149	227
	61.43	7.68	23	78	173	37.86	5.41	23	136	208	24.18	3.02	23	42	67
	60.84	1.56	23	2	91	37.20	9.30	23	93	153	23.89	4.78	23	9	129
	59.01	6.56	23	125	150	37.00	37.00	23	242	255	23.65	5.91	94	234	111
	56.15	8.02	23	103	116	37.00	37.00	94	58	455	23.41	7.80	23	143	130
	55.54	27.77	23	244	248	36.71	3.34	94	9	86	23.19	3.87	23	22	118
	55.34	2.41	94	10	77	34.90	8.73	23	19	75	22.97	5.74	94	65	147
	55.30	18.43	23	79	219	34.59	3.84	23	89	99	22.67	7.56	23	185	145
	54.75	54.75	94	23	91	34.38	17.19	94	233	99	22.50	22.50	23	30	209
	51.79	2.16	23	13	22	34.27	8.57	94	17	167	22.32	4.46	23	129	83
	51.76	7.39	23	80	153	34.22	3.80	23	34	147	21.83	5.46	23	208	116
	51.67	7.38	94	99	149	34.02	3.78	23	69	143	21.70	7.23	94	90	284
51.61	7.37	23	91	151	33.85	11.28	23	172	122	21.60	10.80	94	225	210	
50.22	7.17	23	104	164	33.66	4.21	94	24	110	20.94	4.19	23	58	122	
49.46	12.37	23	217	93	32.77	8.19	94	91	262	20.89	1.90	94	231	87	
49.23	24.62	23	155	70	32.76	5.46	23	90	124	20.18	10.09	23	31	250	
47.59	4.33	94	54	143	32.07	8.02	94	92	119	20.12	20.12	94	32	264	
47.19	4.72	23	82	203	31.92	6.38	23	48	226	19.97	3.33	23	26	90	

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight			Individual weight			Gear depth			Species	Catch weight			Individual weight			Gear depth		
	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul		(m)	(kg/km ²)	(kg)	Vessel	Haul	(m)			
Pacific halibut	19.87	3.97	94	15	115	12.04	12.04	23	109	176	5.50	2.75	94	71	128				
	19.74	9.87	23	233	154	12.04	12.04	94	165	210	5.38	5.38	23	138	113				
	19.61	2.45	94	131	117	11.83	5.92	23	121	119	5.33	5.33	23	6	240				
	19.57	9.79	23	236	121	11.76	5.88	23	116	87	5.33	5.33	23	62	359				
	19.56	19.56	94	239	229	11.65	11.65	94	98	255	5.33	5.33	94	94	89				
	19.02	19.02	94	153	211	11.62	3.87	94	37	221	4.92	0.98	23	204	92				
	18.99	3.80	23	191	93	11.27	11.27	94	2	126	4.90	4.90	23	64	143				
	18.73	6.24	94	53	141	11.27	11.27	94	194	102	4.90	4.90	23	124	120				
	18.72	9.36	94	129	238	11.09	3.70	23	4	164	4.90	4.90	23	197	88				
	18.65	4.66	94	96	137	10.72	3.57	94	21	109	4.69	4.69	94	85	189				
	18.64	6.21	94	106	180	10.66	1.07	94	221	89	4.20	4.20	94	1	134				
	18.53	9.26	23	70	232	10.54	3.51	94	125	147	4.10	4.10	94	111	146				
	18.12	2.59	23	35	38	10.43	3.48	94	136	124	4.00	4.00	94	87	216				
	17.99	1.64	94	175	83	10.14	5.07	23	57	128	3.74	3.74	23	66	92				
	17.86	8.93	23	164	159	9.49	9.49	23	163	98	3.40	3.40	23	160	173				
	17.74	5.91	23	127	222	9.49	9.49	94	142	236	3.24	3.24	94	33	182				
	17.63	5.88	23	108	109	9.45	4.73	94	3	93	2.93	2.93	94	164	96				
	17.48	3.50	23	1	121	9.19	4.59	94	112	147	2.66	1.33	94	232	92				
	17.15	5.72	94	56	93	8.88	4.44	94	133	183	2.51	2.51	94	11	148				
	16.79	8.40	23	235	181	8.85	4.42	23	61	107	2.38	2.38	94	66	116				
	16.44	16.44	23	76	232	8.70	4.35	94	128	141	2.12	1.06	23	205	87				
	16.12	8.06	94	75	143	8.53	8.53	23	43	87	2.01	2.01	94	222	120				
	15.04	2.51	23	17	91	8.53	8.53	23	196	193	1.90	1.90	94	161	96				
	15.02	15.02	23	152	254	8.51	2.84	94	67	81	1.79	1.79	94	72	94				
	14.57	14.57	94	204	94	8.41	4.21	23	102	151	1.62	0.81	23	188	85				
	14.41	4.80	23	36	116	8.22	8.22	23	106	144	1.59	1.59	94	114	95				
	14.23	4.74	94	173	123	8.12	4.06	23	120	94	1.49	1.49	94	235	124				
	14.17	7.08	94	230	121	7.92	7.92	23	39	202									
	14.12	14.12	94	246	230	7.92	7.92	94	146	148									
	13.32	4.44	23	110	190	7.35	7.35	94	49	273									
13.26	13.26	23	179	215	7.34	3.67	94	73	107										
13.19	3.30	23	107	103	7.07	7.07	94	188	112										
12.85	12.85	23	114	177	7.03	2.34	94	148	100										
12.85	12.85	94	127	306	6.80	6.80	23	50	216										
12.56	6.28	23	52	329	6.28	6.28	94	31	229										
12.44	12.44	23	168	118	6.04	6.04	23	11	326										
12.44	12.44	94	105	261	6.04	6.04	23	148	275										
12.23	4.08	23	41	122	5.65	1.88	23	94	93										
12.18	0.94	94	174	49	5.56	5.56	23	141	90										

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight			Individual weight			Gear depth			Catch weight			Individual weight			Gear depth				
	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul	(m)
Kamchatka flounder	914.70	1.84	94	135	394	19.90	3.98	94	196	453	7.90	0.79	23	226	211					
	421.80	2.19	94	78	364	19.80	2.83	94	151	402	7.80	2.60	94	127	306					
	416.50	2.42	23	151	417	19.70	2.19	94	62	249	7.80	7.80	94	176	271					
	373.70	2.47	94	35	346	19.00	2.38	23	149	326	7.62	0.22	94	75	143					
	358.10	2.61	94	166	348	18.90	3.78	23	165	420	7.50	0.94	23	244	248					
	319.40	2.17	94	229	401	18.50	0.49	23	196	193	7.50	0.30	94	207	163					
	257.20	1.96	23	170	330	17.50	0.23	23	59	88	7.40	0.25	23	64	143					
	226.50	3.38	23	134	377	17.50	1.17	23	97	319	7.40	2.47	23	74	397					
	214.00	2.82	23	246	231	16.60	5.53	23	146	404	7.40	2.47	94	39	323					
	193.90	2.36	23	40	324	15.50	1.72	23	56	241	7.37	3.69	23	86	275					
	182.50	2.15	23	190	426	15.40	2.57	94	81	357	7.30	1.04	94	192	182					
	167.80	1.17	23	52	329	14.70	0.42	23	216	133	7.30	0.56	23	102	151					
	130.67	0.78	23	148	275	13.44	2.24	94	241	237	6.70	1.12	94	51	414					
	109.20	1.95	94	245	238	12.90	1.84	94	64	413	6.70	3.35	94	86	327					
	91.60	1.02	23	189	242	12.80	0.11	94	69	93	6.60	2.20	23	180	368					
	79.00	3.04	94	246	230	12.20	3.05	23	237	318	6.40	6.40	23	99	374					
	76.40	1.74	94	137	317	11.90	1.70	94	42	316	6.40	0.49	23	193	164					
	64.00	2.78	94	240	276	11.80	0.62	94	52	254	6.10	6.10	23	201	376					
	59.70	1.81	94	6	444	11.80	2.95	94	169	390	5.80	1.45	23	55	213					
	53.90	1.23	94	225	210	11.50	5.75	94	184	466	5.80	1.93	23	71	419					
	50.50	2.40	94	145	320	11.30	5.65	94	217	282	5.80	2.90	23	75	457					
	47.00	3.92	94	195	437	11.20	2.80	94	158	318	5.70	0.48	23	194	161					
	46.50	0.72	23	70	232	11.00	0.79	94	190	244	5.70	0.41	94	210	137					
	44.35	0.35	23	104	164	10.50	0.55	23	227	156	5.50	1.10	23	209	172					
	41.76	1.23	94	55	291	10.40	0.61	23	224	179	5.50	1.10	94	134	274					
	40.30	4.48	23	187	353	10.40	1.30	23	249	168	5.18	0.32	23	121	119					
	40.20	0.93	23	67	237	10.20	0.13	94	67	81	5.03	1.68	23	145	402					
	38.40	1.92	94	189	269	10.12	2.53	23	169	256	5.00	0.71	23	60	168					
	34.00	1.70	94	70	256	9.90	1.98	94	58	455	5.00	0.50	94	237	231					
	33.30	0.83	23	136	208	9.80	0.54	23	65	271	4.90	1.23	23	98	315					
32.30	3.23	23	158	278	9.40	1.34	94	242	234	4.90	0.17	94	71	128						
31.30	3.13	23	242	255	9.14	0.83	23	230	227	4.80	0.96	94	159	173						
24.30	1.87	94	181	392	9.10	0.54	94	236	266	4.77	0.60	23	105	201						
23.60	2.62	94	27	411	8.90	4.45	23	156	144	4.70	0.59	23	222	251						
23.30	0.78	23	228	174	8.60	0.30	23	58	122	4.70	0.14	94	173	123						
23.00	4.60	94	238	389	8.40	4.20	23	161	252	4.49	1.12	23	159	170						
22.00	1.69	94	63	228	8.20	4.10	23	63	356	4.40	2.20	23	232	383						
20.40	2.91	23	166	375	8.10	0.51	23	207	139	4.32	4.32	94	185	273						
20.30	1.19	23	171	211	8.00	0.47	94	209	172	4.30	0.39	94	227	143						

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight		Individual weight		Gear depth (m)	Catch weight		Individual weight		Gear depth (m)	Catch weight		Individual weight		Gear depth (m)
	(kg/km ²)	(kg)	Vessel	Haul		(kg/km ²)	(kg)	Vessel	Haul		(kg/km ²)	(kg)	Vessel	Haul	
Kamchatka flounder	4.20	0.84	23	111	281	3.63	1.21	23	152	254	2.70	2.70	94	138	188
	4.20	4.20	23	49	384	3.50	0.88	94	5	292	2.68	0.34	94	228	181
	4.10	4.10	94	153	211	3.41	3.41	23	179	215	2.60	0.43	23	62	359
	4.00	0.44	23	221	146	3.40	0.20	94	66	116	2.60	0.87	94	150	276
	4.00	4.00	94	165	210	3.10	1.55	94	80	278	2.50	2.50	23	147	402
	3.95	1.97	23	123	346	2.99	0.75	94	203	190	2.44	0.61	94	226	176
	3.80	1.90	23	240	149	2.90	0.73	23	219	222	2.44	0.31	23	106	144
	3.80	3.80	23	245	142	2.90	0.48	94	212	234	2.29	0.57	94	206	161
	3.75	0.34	23	172	122	2.80	2.80	94	243	157	2.22	0.19	94	73	107
	3.71	3.71	23	167	222	2.76	0.69	94	11	148	2.20	0.73	94	19	191
	3.70	1.23	23	223	398	2.75	1.38	94	154	185	2.02	0.14	23	120	94
	3.70	1.23	23	248	175	2.75	1.38	23	81	305	1.95	0.98	94	110	343
Greenland turbot	1,607.20	2.70	94	58	455	20.90	2.99	23	166	375	8.90	4.45	94	90	284
	244.92	2.45	94	64	413	20.50	3.42	94	189	269	7.60	7.60	94	81	357
	235.40	2.80	94	6	444	19.90	9.95	23	178	285	7.00	7.00	94	217	282
	192.80	2.32	94	35	346	18.30	3.05	23	62	359	6.90	6.90	23	49	384
	113.40	2.58	94	135	394	17.70	8.85	23	222	251	6.40	6.40	23	71	419
	91.70	2.41	94	51	414	17.60	2.93	94	166	348	6.20	6.20	94	127	306
	90.30	3.34	23	134	377	17.20	4.30	23	151	417	6.10	3.05	23	74	397
	82.00	4.56	94	229	401	16.60	5.53	23	170	330	5.28	5.28	23	123	346
	66.20	2.76	23	63	356	16.50	5.50	94	181	392	5.20	5.20	23	112	231
	52.50	3.50	23	223	398	16.00	8.00	23	148	275	4.60	4.60	23	40	324
	48.10	3.21	23	165	420	15.70	7.85	94	137	317	4.10	4.10	94	213	241
	44.20	3.40	23	6	240	13.30	4.43	94	195	437	3.60	3.60	23	180	368
	38.20	4.24	94	78	364	13.02	6.51	94	27	411	3.10	3.10	23	232	383
	33.80	3.38	23	190	426	10.70	5.35	23	147	402	3.00	3.00	94	109	407
	25.60	5.12	23	187	353	10.70	10.70	23	201	376	2.50	2.50	94	145	320
	25.20	4.20	23	145	402	10.30	10.30	94	177	228	2.42	2.42	23	214	335
	22.30	5.58	94	184	466	9.50	4.75	94	158	318					
22.20	5.55	94	151	402	9.40	9.40	94	176	271						
Northern rock sole	1,199.70	0.51	23	197	88	124.80	0.60	94	60	88	91.30	0.25	94	235	124
	244.10	0.44	94	187	136	113.90	0.35	23	188	85	90.30	0.16	23	205	87
	240.20	0.33	23	182	122	110.00	0.23	23	163	98	85.60	0.54	23	27	89
	191.30	0.28	94	68	81	95.80	0.36	23	59	88	81.90	0.53	23	5	59
	151.75	0.27	94	148	100	95.80	0.31	23	192	154	80.80	0.54	23	171	211

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight		Individual weight		Gear depth (m)	Catch weight		Individual weight		Gear depth (m)	Catch weight		Individual weight		Gear depth (m)
	(kg/km ²)	(kg)	Vessel	Haul		(kg/km ²)	(kg)	Vessel	Haul		(kg/km ²)	(kg)	Vessel	Haul	
Northern rock sole	72.80	0.33	23	24	82	36.60	0.39	94	1	134	18.30	0.52	23	104	164
	71.40	0.48	94	10	77	36.40	0.43	94	54	143	18.20	0.47	23	1	121
	70.10	0.26	23	120	94	36.30	0.32	23	235	181	17.50	0.39	23	118	87
	69.50	0.23	23	191	93	34.82	0.31	23	196	193	17.50	0.53	23	189	242
	69.50	0.50	94	207	163	34.50	0.32	23	29	91	17.40	0.73	23	68	163
	62.90	0.39	23	193	164	34.00	0.22	94	234	111	17.40	0.20	94	222	120
	60.90	0.22	94	221	89	33.90	0.18	23	206	78	17.20	0.61	94	159	173
	58.30	0.53	94	171	154	33.20	0.55	23	230	227	17.15	0.40	94	143	95
	58.25	0.37	94	170	151	32.50	0.49	94	139	156	16.80	0.29	23	155	70
	55.20	0.51	94	141	159	32.40	0.53	94	11	148	16.51	0.64	23	111	281
	55.00	0.83	23	80	153	31.90	0.53	94	71	128	16.30	0.42	23	100	154
	53.00	0.91	23	240	149	31.60	0.18	23	66	92	16.30	0.29	23	107	103
	52.70	0.43	94	133	183	31.00	0.32	23	204	92	16.00	0.27	23	162	116
	51.60	0.24	94	188	112	30.90	0.39	23	231	86	15.80	0.14	94	191	87
	48.90	0.36	94	230	121	29.60	0.60	23	14	44	15.60	0.71	23	57	128
	48.30	0.37	23	183	89	29.40	0.27	23	130	135	15.60	0.52	94	105	261
	47.80	0.48	23	2	91	28.10	0.21	94	101	111	15.40	0.38	23	213	120
	47.10	0.28	23	216	133	26.80	0.46	94	12	97	15.30	1.18	94	177	228
	46.60	0.43	23	35	38	26.60	0.28	23	96	145	15.20	0.16	94	232	92
	46.10	0.37	23	236	121	25.90	0.37	23	69	143	15.00	0.33	94	22	91
	46.00	0.46	94	15	115	25.20	0.25	23	13	22	15.00	0.50	94	120	115
	45.70	0.50	23	28	93	24.63	0.91	23	136	208	14.78	0.67	23	175	224
	45.50	0.36	94	227	143	24.20	0.56	23	108	109	14.70	0.28	23	141	90
	45.00	0.58	94	190	244	23.70	0.34	94	192	182	14.60	0.49	94	165	210
	44.40	0.40	23	233	154	23.70	0.49	94	228	181	14.40	0.51	23	115	210
	43.90	0.19	94	208	65	23.30	0.65	23	70	232	14.40	0.21	94	160	73
	43.20	0.42	23	26	90	22.67	0.48	23	110	190	13.52	0.38	23	89	99
	43.10	0.68	23	228	174	21.90	0.25	23	95	146	13.50	0.25	94	161	96
	42.90	0.38	94	56	93	21.90	0.76	94	59	121	13.40	0.79	23	72	160
	42.80	0.43	23	250	93	21.50	0.22	94	73	107	13.30	0.31	94	132	100
42.50	0.47	23	195	112	21.20	0.29	23	208	116	13.20	0.49	94	108	243	
41.40	0.45	23	194	161	20.70	0.50	94	210	137	13.00	0.76	94	115	89	
40.00	0.21	94	175	83	20.60	0.57	23	109	176	12.90	0.27	94	14	97	
39.60	0.50	94	209	172	20.60	0.47	94	4	140	12.90	0.52	94	69	93	
39.20	0.64	23	174	165	20.50	0.49	94	53	141	12.45	0.28	23	154	67	
38.20	0.68	94	57	171	19.20	0.51	94	189	269	12.30	1.23	94	46	240	
37.40	0.68	23	22	118	19.04	0.48	94	13	92	12.30	0.32	94	102	195	
37.30	0.47	23	221	146	19.00	0.28	94	2	126	12.20	0.81	94	79	236	
37.10	0.27	23	234	172	18.70	0.22	94	156	123	12.20	0.41	94	106	180	

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight			Individual weight			Gear depth			Species	Catch weight			Individual weight			Gear depth		
	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul		(m)	(kg/km ²)	(kg)	Vessel	Haul	(m)			
Northern rock sole	12.00	0.33	23	185	145	8.30	0.69	94	61	151	4.60	0.66	94	142	236				
	11.80	0.25	23	94	93	8.20	0.75	23	209	172	4.51	0.35	94	205	99				
sole	11.40	0.67	23	173	145	8.20	0.51	94	104	251	4.50	0.50	94	74	219				
	11.40	0.41	94	216	102	7.80	0.46	94	67	81	4.40	0.63	94	186	176				
	11.20	0.56	94	206	161	7.41	0.41	23	169	256	4.25	0.85	23	78	173				
	11.00	0.44	94	183	243	7.40	0.44	94	112	147	4.10	0.37	94	236	266				
	10.70	0.82	23	73	217	7.30	0.38	23	198	132	4.10	0.68	94	245	238				
	10.60	0.39	23	129	83	7.22	0.48	23	152	254	4.00	0.36	23	186	88				
	10.60	0.38	94	23	91	7.20	0.20	23	217	93	4.00	0.44	94	182	269				
	10.60	0.29	94	131	117	7.00	0.54	23	48	226	3.61	0.72	23	112	231				
	10.60	0.24	94	233	99	7.00	0.21	94	223	94	3.60	0.72	94	31	229				
	10.50	0.50	94	75	143	6.90	0.24	23	18	87	3.50	0.88	94	77	225				
	10.45	0.25	94	231	87	6.90	0.63	94	52	254	3.46	0.69	23	126	240				
	10.40	0.65	94	134	274	6.86	0.36	23	132	89	3.45	0.29	23	124	120				
	10.30	0.40	94	18	67	6.85	0.57	23	138	113	3.40	0.85	94	83	166				
	10.30	0.45	94	167	124	6.85	0.24	94	174	49	3.40	0.21	94	157	124				
	10.13	0.46	23	184	211	6.70	0.56	23	103	116	3.30	0.66	94	118	332				
	10.10	0.30	23	20	78	6.60	0.39	94	24	110	3.10	1.03	94	219	136				
	10.10	0.28	23	168	118	6.55	0.27	23	128	52	3.05	0.61	23	8	85				
	10.10	0.67	23	224	179	6.40	0.64	23	21	107	2.80	0.93	94	123	154				
	10.10	0.59	94	116	219	6.20	0.36	23	93	153	2.70	0.34	23	44	92				
	9.90	0.21	94	72	94	6.12	0.56	23	106	144	2.70	0.68	94	117	204				
	9.90	0.45	94	111	146	6.00	0.43	23	10	90	2.70	0.45	94	194	102				
	9.70	0.46	94	180	152	5.90	0.49	23	64	143	2.67	0.89	94	82	175				
	9.70	0.29	94	113	96	5.80	0.83	23	144	145	2.64	0.44	23	127	222				
	9.60	0.33	94	3	93	5.80	1.16	94	91	262	2.61	0.44	23	116	87				
	9.50	0.22	94	119	96	5.80	0.41	94	129	238	2.60	0.22	23	17	91				
	9.47	0.30	23	131	126	5.80	0.48	94	168	96	2.54	0.85	23	150	139				
	9.40	0.72	23	226	211	5.50	0.50	94	9	86	2.53	0.84	94	43	287				
	9.21	0.71	94	21	109	5.40	0.90	23	179	215	2.39	0.80	94	44	283				
	9.20	0.48	23	249	168	5.40	0.45	94	164	96	2.36	0.59	94	146	148				
	9.10	0.43	23	32	113	5.35	0.54	23	58	122	2.11	0.42	94	114	95				
	9.03	0.82	23	135	164	5.30	0.23	94	16	94	2.07	0.69	23	98	315				
	9.00	0.69	94	81	357	5.10	0.73	94	26	71	2.01	0.50	94	179	98				
	8.90	0.45	23	140	103	5.00	0.24	23	19	75	1.97	0.25	23	153	115				
	8.90	0.64	94	211	154	5.00	0.63	23	67	237	1.90	0.48	23	207	139				
	8.80	0.28	94	100	95	4.90	0.70	23	227	156	1.90	0.09	94	94	89				
	8.70	0.36	94	215	117	4.90	0.26	94	173	123	1.88	0.63	23	203	114				
	8.60	0.72	94	162	158	4.80	0.80	23	77	148	1.70	0.85	23	3	246				

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight		Individual weight		Gear depth (m)	Catch weight		Individual weight		Gear depth (m)	Catch weight		Individual weight		Gear depth (m)
	(kg/km ²)	(kg)	Vessel	Haul		(kg/km ²)	(kg)	Vessel	Haul		(kg/km ²)	(kg)	Vessel	Haul	
Southern rock sole	255.10	0.69	23	5	59	29.00	0.52	94	16	94	7.60	1.27	23	26	90
	141.00	0.73	23	14	44	26.83	0.62	94	13	92	5.70	0.48	94	21	109
	127.60	0.49	94	18	67	24.80	0.73	23	10	90	5.40	0.90	94	26	71
	121.20	0.61	94	10	77	21.80	1.21	23	27	89	4.78	0.80	23	89	99
	89.50	0.44	23	19	75	20.40	0.97	23	29	91	4.50	0.75	23	21	107
	71.50	0.58	23	20	78	18.80	0.90	23	28	93	4.20	0.53	94	24	110
	56.50	0.57	94	15	115	12.50	0.60	94	23	91	3.40	0.85	94	8	97
	46.80	0.44	23	18	87	12.40	0.54	23	35	38	3.20	0.64	94	108	243
	38.00	0.43	94	14	97	10.20	0.78	94	9	86	3.14	0.79	23	129	83
	37.50	0.47	23	17	91	10.00	0.71	94	12	97	2.56	1.28	23	107	103
	33.90	0.49	94	22	91	9.90	1.41	23	24	82	1.40	0.70	94	67	81
	30.00	0.63	23	13	22	8.60	0.72	23	32	113	1.30	1.30	94	69	93
	Flathead sole	457.60	0.14	94	20	95	21.40	0.40	23	228	174	6.60	0.29	94	68
255.20		0.17	23	12	190	20.00	0.17	94	8	97	6.15	0.29	94	227	143
192.20		0.21	94	19	191	19.93	0.83	94	13	92	5.90	0.45	23	20	78
162.30		0.20	23	102	151	19.90	0.30	94	1	134	5.90	0.35	94	206	161
127.20		0.39	94	4	140	19.80	0.27	23	58	122	5.88	0.18	94	75	143
95.60		0.30	23	9	129	17.20	0.41	23	18	87	5.80	0.36	94	17	167
68.90		0.17	23	60	168	17.00	0.31	23	104	164	5.60	0.16	94	9	86
67.80		0.17	23	236	121	16.50	0.47	94	2	126	5.60	0.35	94	16	94
66.00		0.71	23	10	90	16.40	0.43	94	215	117	5.40	0.60	94	70	256
55.18		0.34	23	196	193	15.30	0.73	23	1	121	5.20	0.40	23	230	227
51.30		0.16	23	207	139	14.70	0.59	23	5	59	5.10	0.23	23	234	172
43.50		0.65	94	15	115	13.80	0.26	23	121	119	4.90	0.49	23	65	271
42.50		0.13	94	210	137	13.10	0.19	23	208	116	4.60	0.58	94	118	332
40.48		0.18	94	121	156	11.60	0.37	23	16	116	4.41	0.55	94	108	243
39.40		0.51	94	6	444	11.40	0.19	23	226	211	4.30	0.72	23	66	92
39.20		0.24	23	227	156	10.70	0.47	94	22	91	3.80	0.76	94	208	65
37.90		0.22	23	59	88	10.60	0.30	23	205	87	3.70	0.41	23	15	112
34.40		0.16	94	21	109	10.00	0.28	94	235	124	3.65	0.61	94	129	238
30.60		0.13	94	209	172	9.90	0.41	23	17	91	3.50	0.58	23	56	241
27.70		0.17	94	237	231	9.90	0.35	23	213	120	3.18	1.06	23	251	182
26.60		0.48	23	19	75	8.95	0.47	94	11	148	3.08	0.34	23	216	133
24.50		0.28	94	207	163	8.70	0.51	23	11	326	2.90	0.41	23	224	179
23.50		0.23	23	221	146	7.80	0.65	94	12	97	2.72	0.68	23	148	275
22.70	0.29	23	172	122	7.70	0.25	94	65	147	2.60	0.65	94	7	90	
22.40	0.48	94	3	93	7.10	0.55	23	249	168	2.54	0.63	23	126	240	

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight			Individual weight			Gear depth			Catch weight (kg/km ²)	Individual weight (kg)	Gear depth			
	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul			(m)	(kg/km ²)	(kg)	Vessel
Flathead	2.46	0.62	23	67	237	2.40	1.20	94	223	94	2.03	0.34	94	228	181
sole	2.40	0.48	94	5	292	2.25	0.45	94	90	284	2.00	0.33	23	21	107
Rex	172.40	0.66	23	3	246	10.70	0.63	94	17	167	4.70	0.67	23	63	356
sole	66.90	0.61	23	4	164	10.50	0.70	94	130	370	4.50	0.90	23	149	326
	61.10	0.55	23	227	156	10.00	0.67	94	117	204	4.25	0.47	94	158	318
	58.40	0.74	94	207	163	9.90	0.58	94	51	414	4.13	1.03	23	170	330
	50.00	0.76	23	148	275	9.60	0.64	94	151	402	4.10	0.41	23	236	121
	46.30	0.54	94	237	231	9.30	0.62	94	110	343	4.00	0.40	94	210	137
	37.60	0.82	94	137	317	9.20	0.77	23	99	374	3.95	0.49	23	166	375
	36.60	0.61	23	65	271	9.00	0.50	23	60	168	3.80	0.38	23	215	169
	33.90	0.55	94	206	161	8.90	0.56	94	104	251	3.80	0.27	94	227	143
	31.90	0.63	23	6	240	8.20	0.55	23	121	119	3.55	0.30	94	68	81
	30.30	0.72	23	9	129	8.00	1.00	23	250	93	3.50	0.70	94	108	243
	30.10	0.84	94	5	292	8.00	0.67	23	234	172	3.30	0.37	23	59	88
	30.10	0.64	94	105	261	7.90	0.66	23	21	107	3.20	0.53	94	209	172
	21.70	0.59	23	11	326	7.50	0.63	94	21	109	3.20	0.64	94	229	401
	21.70	0.49	23	169	256	7.50	0.34	23	182	122	3.10	0.52	94	235	124
	20.00	0.56	94	216	102	7.00	0.54	23	171	211	3.09	0.51	23	187	353
	19.90	0.69	94	181	392	6.80	0.28	23	196	193	2.90	0.32	23	216	133
	19.80	0.62	23	98	315	6.49	0.65	23	223	398	2.89	0.72	94	202	192
	19.00	0.59	23	158	278	6.30	0.53	23	249	168	2.86	0.95	94	127	306
	18.80	0.48	23	213	120	6.00	0.46	94	52	254	2.82	0.56	23	165	420
	18.30	0.54	94	64	413	6.00	0.55	94	103	325	2.80	0.40	23	26	90
	16.90	0.16	94	19	191	5.90	0.66	94	189	269	2.76	0.92	23	110	190
	15.35	0.70	94	11	148	5.88	0.65	23	123	346	2.72	0.91	94	170	151
	14.50	0.58	94	118	332	5.80	0.83	23	58	122	2.63	0.29	23	127	222
	13.40	0.67	94	55	291	5.80	0.58	23	97	319	2.60	0.12	23	12	190
	13.00	0.57	23	232	383	5.70	0.47	23	16	116	2.60	0.43	94	238	389
	12.83	0.71	23	111	281	5.40	0.42	23	226	211	2.55	0.13	94	8	97
	12.50	0.74	94	22	91	5.00	0.56	94	70	256	2.50	0.28	94	129	238
	12.40	0.54	94	90	284	4.90	0.70	94	1	134	2.49	0.36	94	203	190
	11.60	0.64	94	183	243	4.90	0.49	94	15	115	2.20	1.10	94	6	444
	10.90	0.50	94	215	117	4.80	0.53	23	62	359	2.20	0.73	94	25	174
Butter	65.45	0.69	23	13	22										
sole	1.40	0.70	23	14	44										

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight		Individual weight		Gear depth (m)	Catch weight		Individual weight		Gear depth (m)	Catch weight		Individual weight		Gear depth (m)
	(kg/km ²)	(kg)	Vessel	Haul		(kg/km ²)	(kg)	Vessel	Haul		(kg/km ²)	(kg)	Vessel	Haul	
Dover sole	11.30	1.88	23	211	219	4.10	0.82	23	215	169	2.98	2.98	23	212	185
	7.30	3.65	94	213	241	4.00	1.33	94	55	291	2.66	0.89	23	166	375
	7.20	1.03	23	11	326	3.70	1.85	23	165	420	2.14	2.14	23	148	275
	4.20	2.10	94	6	444	2.99	1.50	94	218	258					
Pacific herring	1,804.30	0.33	23	5	59	1.08	0.36	94	19	191	0.34	0.34	94	8	97
	26.10	0.34	23	13	22	0.64	0.32	94	2	126	0.28	0.28	94	10	77
	4.90	0.35	23	1	121	0.45	0.45	94	21	109	0.23	0.23	94	3	93
	1.70	0.34	23	2	91	0.44	0.44	94	22	91					
	1.50	0.30	23	14	44	0.35	0.35	94	7	90					
Golden king crab	8.88	1.27	94	63	228	3.20	1.60	94	137	317	1.25	1.25	23	99	374
	8.80	1.47	94	46	240	2.99	0.75	94	88	211	1.21	1.21	23	166	375
	8.40	0.84	23	55	213	2.90	1.45	23	223	398	1.21	1.21	23	148	275
	6.57	1.09	94	64	413	2.88	2.88	94	49	273	1.20	1.20	94	130	370
	6.30	3.15	23	212	185	2.70	1.35	23	67	237	1.20	1.20	23	81	305
	6.30	1.05	94	190	244	2.64	0.88	94	78	364	1.17	1.17	23	165	420
	6.10	2.03	94	182	269	2.60	2.60	23	66	92	1.16	1.16	23	63	356
	5.46	1.37	23	242	255	2.30	2.30	94	206	161	1.15	0.23	94	220	465
	4.73	0.95	94	51	414	2.26	0.75	94	42	316	1.12	0.01	23	167	222
	4.70	1.57	23	52	329	2.20	1.10	23	202	272	1.04	0.35	94	77	225
	4.70	1.57	23	222	251	2.20	2.20	23	74	397	1.02	1.02	23	244	248
	4.69	1.17	94	118	332	2.17	1.08	94	238	389	1.00	1.00	94	70	256
	4.60	0.77	23	50	216	2.03	1.02	94	62	249	1.00	0.50	94	184	466
	4.50	0.64	23	73	217	1.88	0.94	94	195	437	0.93	0.93	23	53	338
	4.50	2.25	23	92	323	1.88	0.94	94	245	238	0.90	0.90	94	28	250
	4.40	0.88	94	80	278	1.84	0.92	23	151	417	0.90	0.90	94	31	229
	4.07	1.02	94	40	170	1.80	0.90	23	237	318	0.88	0.44	94	229	401
	3.65	0.91	23	190	426	1.80	0.90	94	153	211	0.87	0.87	23	146	404
	3.65	1.22	94	76	212	1.80	1.80	94	240	276	0.86	0.22	94	103	325
	3.65	1.82	94	81	357	1.70	0.57	94	39	323	0.84	0.84	23	83	205
3.60	1.20	23	170	330	1.70	1.70	23	82	203	0.84	0.84	23	187	353	
3.49	0.70	23	147	402	1.59	1.59	94	44	283	0.76	0.76	23	169	256	
3.40	1.70	23	49	384	1.53	0.77	23	145	402	0.66	0.66	23	62	359	
3.40	1.13	23	134	377	1.44	0.48	94	241	237	0.62	0.62	23	65	271	
3.33	0.67	94	58	455	1.42	1.42	94	32	264	0.50	0.50	94	87	216	
3.20	1.60	23	211	219	1.38	1.38	23	123	346	0.29	0.29	94	135	394	

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight		Individual weight		Gear depth (m)	Catch weight		Individual weight		Gear depth (m)	Catch weight		Individual weight		Gear depth (m)
	(kg/km ²)	(kg)	Vessel	Haul		(kg/km ²)	(kg)	Vessel	Haul		(kg/km ²)	(kg)	Vessel	Haul	
Red king crab	10.50	2.63	94	191	87	3.80	3.80	94	167	124	1.22	1.22	23	23	272
	6.50	1.08	23	48	226	3.60	1.80	94	177	228	0.00	0.00	23	37	181
	4.60	4.60	94	22	91	2.10	2.10	94	206	161					
Horsehair crab	0.66	0.66	23	212	185	0.28	0.09	23	194	161	0.13	0.13	94	182	269
	0.54	0.54	94	63	228	0.27	0.27	23	195	112	0.12	0.06	23	156	144
Broad tanner crab	10.70	0.15	94	121	156	0.41	0.20	23	207	139	0.21	0.11	23	103	116
	6.70	0.26	23	102	151	0.40	0.20	23	9	129	0.18	0.18	94	75	143
	3.42	0.26	94	19	191	0.36	0.36	94	8	97	0.18	0.18	94	21	109
	2.16	0.24	23	60	168	0.30	0.04	94	65	147	0.12	0.06	94	71	128
	1.78	0.25	94	20	95	0.28	0.28	94	17	167	0.08	0.08	94	2	126
	1.70	0.34	23	12	190	0.27	0.05	94	4	140	0.07	0.07	23	221	146
	0.88	0.15	94	51	414	0.25	0.25	23	59	88	0.04	0.04	23	6	240
	0.61	0.15	94	122	156	0.23	0.05	94	1	134	0.03	0.03	94	12	97
Oplio tanner crab	1.33	0.15	94	4	140	0.15	0.15	94	2	126					
	0.15	0.07	94	1	134	0.02	0.02	94	15	115					
Chlamys sp.	76.20	0.03	94	131	117	0.20	0.02	94	172	166	0.04	0.02	94	173	123
	5.18	0.05	94	102	195	0.15	0.05	94	13	92	0.04	0.02	94	201	131
	2.86	0.04	94	171	154	0.13	0.04	94	105	261	0.04	0.01	94	198	164
	2.47	0.06	94	156	123	0.12	0.02	94	188	112	0.04	0.01	94	199	160
	2.38	0.04	94	95	136	0.11	0.03	94	29	113	0.03	0.01	94	99	149
	1.01	0.04	94	128	141	0.11	0.01	94	204	94	0.03	0.03	94	161	96
	0.88	0.06	94	175	83	0.09	0.02	94	193	126	0.03	0.01	94	190	244
	0.87	0.05	94	121	156	0.08	0.03	94	111	146	0.03	0.03	94	97	317
	0.83	0.03	94	96	137	0.08	0.02	94	192	182	0.03	0.01	94	191	87
	0.73	0.03	94	139	156	0.08	0.02	23	193	164	0.02	0.02	94	113	96
	0.69	0.01	94	197	175	0.08	0.02	94	194	102	0.02	0.01	94	200	154
	0.37	0.02	94	187	136	0.08	0.04	94	222	120	0.02	0.02	94	230	121
	0.36	0.03	94	167	124	0.06	0.01	94	101	111	0.02	0.02	94	123	154
	0.32	0.02	94	157	124	0.06	0.01	94	154	185	0.02	0.01	94	162	158
	0.21	0.11	94	115	89	0.05	0.05	94	148	100	0.01	0.01	94	94	89
	0.20	0.03	94	112	147	0.05	0.05	94	232	92	0.01	0.01	94	179	98

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight		Individual weight		Gear depth (m)	Catch weight		Individual weight		Gear depth (m)	Catch weight		Individual weight		Gear depth (m)
	(kg/km ²)	(kg)	Vessel	Haul		(kg/km ²)	(kg)	Vessel	Haul		(kg/km ²)	(kg)	Vessel	Haul	
Iceland scallop	22.58	0.08	23	168	118	1.13	0.08	94	30	130	0.16	0.03	23	109	176
	20.29	0.07	23	131	126	1.03	0.08	23	138	113	0.15	0.08	23	132	89
	4.70	0.09	23	162	116	0.82	0.03	23	101	153	0.10	0.10	23	157	93
	3.22	0.08	23	169	256	0.43	0.11	23	156	144					
	1.68	0.11	23	153	115	0.16	0.08	23	108	109					
Reddish scallop	1.89	0.05	94	59	121	0.23	0.06	23	24	82	0.05	0.02	94	73	107
	1.51	0.11	23	46	127	0.18	0.09	23	48	226	0.05	0.03	23	93	153
	1.16	0.11	23	47	131	0.18	0.05	94	24	110	0.05	0.05	23	120	94
	0.94	0.04	23	19	75	0.17	0.03	23	124	120	0.04	0.02	23	16	116
	0.74	0.05	94	12	97	0.16	0.03	94	18	67	0.04	0.04	23	121	119
	0.73	0.03	23	109	176	0.16	0.03	94	22	91	0.03	0.02	23	62	359
	0.71	0.03	23	101	153	0.15	0.04	23	7	91	0.03	0.03	94	75	143
	0.46	0.04	23	66	92	0.15	0.07	23	108	109	0.03	0.03	23	195	112
	0.45	0.03	23	217	93	0.14	0.05	23	28	93	0.03	0.02	23	216	133
	0.44	0.04	94	60	88	0.14	0.03	94	26	71	0.03	0.03	94	29	113
	0.41	0.04	23	17	91	0.12	0.02	23	30	209	0.03	0.03	94	25	174
	0.41	0.04	23	32	113	0.11	0.02	23	105	201	0.03	0.03	23	15	112
	0.39	0.02	94	69	93	0.11	0.02	94	11	148	0.03	0.03	23	89	99
	0.34	0.03	94	71	128	0.10	0.05	23	20	78	0.03	0.01	23	173	145
	0.33	0.03	94	15	115	0.09	0.05	23	29	91	0.02	0.02	23	31	250
	0.32	0.03	23	61	107	0.09	0.09	94	62	249	0.02	0.02	23	129	83
	0.29	0.03	23	2	91	0.08	0.04	94	14	97	0.02	0.02	94	9	86
	0.26	0.04	94	16	94	0.07	0.07	94	67	81	0.02	0.02	94	85	189
	0.24	0.03	23	64	143	0.06	0.02	94	27	411	0.01	0.01	23	103	116
	0.24	0.03	94	53	141	0.06	0.06	23	18	87	0.01	0.01	23	23	272
0.23	0.03	94	21	109	0.06	0.03	23	8	85						
Weathervane scallop	0.91	0.09	23	29	91	0.13	0.13	23	27	89					
	0.16	0.16	23	30	209	0.04	0.04	23	28	93					
Greenland cockle	9.45	0.04	94	121	156	0.04	0.02	94	19	191					
	0.17	0.09	23	12	190	0.04	0.02	23	102	151					

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight			Individual weight			Gear depth			Catch weight (kg/km ²)	Individual weight (kg)	Gear depth			
	(kg/km ²)	(kg)	Vessel	Haul	(m)	(kg/km ²)	(kg)	Vessel	Haul			(m)	(kg/km ²)	(kg)	Vessel
Alaska false jingle	6.81	0.15	94	115	89	0.19	0.10	94	96	137	0.06	0.06	23	67	237
	3.00	0.14	94	116	219	0.17	0.09	23	30	209	0.06	0.06	23	150	139
	1.39	0.09	23	140	103	0.17	0.17	23	142	217	0.05	0.05	23	251	182
	1.23	0.12	23	141	90	0.16	0.05	23	155	70	0.05	0.05	94	102	195
	0.78	0.11	23	138	113	0.16	0.08	23	2	91	0.05	0.05	23	200	160
	0.61	0.08	23	172	122	0.15	0.15	23	153	115	0.05	0.05	94	41	236
	0.51	0.08	94	121	156	0.14	0.07	94	179	98	0.05	0.05	94	162	158
	0.40	0.05	23	250	93	0.14	0.14	23	11	326	0.04	0.04	23	196	193
	0.40	0.07	94	120	115	0.13	0.04	94	188	112	0.03	0.03	23	37	181
	0.39	0.08	23	133	109	0.12	0.04	94	194	102	0.03	0.03	23	164	159
	0.35	0.06	23	66	92	0.12	0.12	23	47	131	0.03	0.03	23	48	226
	0.33	0.04	94	204	94	0.11	0.11	23	154	67	0.03	0.03	94	175	83
	0.31	0.08	23	132	89	0.11	0.11	94	118	332	0.03	0.03	23	199	93
	0.31	0.06	23	162	116	0.10	0.10	94	122	156	0.03	0.03	94	53	141
	0.30	0.04	23	157	93	0.09	0.04	94	117	204	0.02	0.02	94	92	119
	0.24	0.02	94	95	136	0.08	0.08	23	124	120	0.02	0.02	23	193	164
	0.23	0.08	94	192	182	0.07	0.04	23	80	153	0.01	0.01	94	233	99
	0.22	0.04	94	205	99	0.07	0.07	94	170	151	0.01	0.01	94	196	453
	0.20	0.05	94	94	89	0.07	0.07	23	139	179					
False jingles unidentified	1.13	0.38	94	25	174	0.15	0.05	94	67	81	0.04	0.04	94	33	182
	0.98	0.05	94	38	96	0.13	0.07	94	39	323	0.02	0.02	94	74	219
	0.32	0.05	94	71	128	0.12	0.03	94	68	81	0.01	0.01	94	30	130
	0.30	0.06	94	7	90	0.11	0.03	94	69	93					
	0.27	0.07	94	24	110	0.07	0.07	94	90	284					
Ocean pink shrimp	1.43	0.01	23	161	252	0.15	0.01	23	111	281	0.04	0.01	23	121	119
	1.24	0.01	23	160	173	0.09	0.01	23	164	159	0.03	0.00	23	110	190
	0.58	0.00	23	102	151	0.05	0.00	23	127	222	0.02	0.01	23	211	219
Yellowleg shrimp	1.49	0.00	23	220	146	0.07	0.01	94	197	175	0.02	0.01	23	241	226
	1.02	0.00	23	172	122	0.06	0.00	94	86	327	0.02	0.01	94	198	164
	0.22	0.01	94	74	219	0.05	0.00	23	126	240	0.02	0.01	94	186	176
	0.14	0.00	94	103	325	0.05	0.01	94	116	219	0.02	0.00	23	194	161
	0.12	0.00	94	123	154	0.03	0.01	94	134	274	0.02	0.01	94	203	190
	0.08	0.01	23	171	211	0.03	0.01	94	202	192	0.02	0.01	94	105	261

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight		Individual weight		Gear depth (m)	Vessel	Haul	Gear depth (m)	Catch weight (kg/km ²)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	Catch weight (kg/km ²)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
	(kg/km ²)	(kg)	(kg)	(kg)														
Northern pink shrimp	1.91	0.00	23	172	122				0.77	0.00	94	65	147	0.35	0.01	23	222	251
	1.89	0.01	94	6	444				0.77	0.01	23	12	190	0.32	0.01	94	52	254
	1.62	0.01	94	19	191				0.68	0.00	94	66	116	0.32	0.00	23	64	143
	1.51	0.01	23	159	170				0.62	0.01	23	60	168	0.31	0.00	23	180	368
	1.40	0.01	94	155	175				0.46	0.00	23	58	122	0.25	0.01	94	153	211
	1.11	0.01	23	224	179				0.43	0.00	23	226	211	0.24	0.01	94	156	123
	1.04	0.01	23	219	222				0.42	0.01	23	65	271	0.24	0.00	23	209	172
	0.98	0.00	94	17	167				0.39	0.00	94	121	156	0.23	0.00	94	69	93
	0.81	0.00	94	75	143				0.38	0.01	94	226	176	0.22	0.00	23	220	146
Coonstripe shrimp	0.10	0.02	23	12	190				0.02	0.02	94	8	97					
	0.10	0.01	94	67	81				0.01	0.01	94	19	191					
Sidestripe shrimp	3.05	0.01	23	167	222				0.11	0.01	94	19	191	0.08	0.01	23	11	326
	0.16	0.02	94	90	284				0.10	0.10	23	172	122	0.03	0.01	23	113	366
Octopus unidentified	16.90	8.45	94	136	124				3.60	1.80	94	187	136	1.50	1.50	23	169	256
	14.40	14.40	94	120	115				3.60	1.20	94	186	176	1.44	0.48	94	149	227
	13.90	6.95	94	69	93				3.11	0.78	94	99	149	1.41	1.41	94	80	278
	10.10	5.05	23	61	107				2.86	1.43	23	175	224	1.21	1.21	23	177	218
	8.90	1.78	23	194	161				2.80	1.40	94	162	158	1.18	1.18	94	100	95
	7.18	1.03	23	167	222				2.40	2.40	23	230	227	1.13	1.13	94	28	250
	7.10	7.10	94	71	128				2.40	2.40	94	159	173	1.00	1.00	23	62	359
	5.80	1.16	23	251	182				2.19	2.19	94	157	124	0.59	0.59	23	146	404
	5.60	5.60	94	95	136				1.98	0.99	94	246	230	0.58	0.58	94	97	317
	4.00	0.80	23	173	145				1.89	0.63	23	114	177	0.54	0.54	23	30	209
	3.67	3.67	94	125	147				1.65	0.55	23	241	226	0.54	0.27	94	241	237
	3.65	3.65	94	127	306				1.52	0.76	23	180	368	0.53	0.53	94	229	401
Giant octopus	27.10	6.78	23	93	153				4.80	4.80	23	125	150	2.70	2.70	23	95	146
	11.85	11.85	23	96	145				4.40	4.40	23	89	99	2.08	2.08	23	92	323
	10.50	10.50	23	127	222				2.78	2.78	23	103	116					

Principal species catch weight and average individual weight by vessel, haul and depth during the NMFS 1997 Triennial Aleutian Islands Bottom Trawl Survey.

Species	Catch weight			Individual weight			Gear depth (m)	Vessel	Haul	Gear depth (m)	Catch weight			Individual weight			Gear depth (m)
	(kg/km ²)	(kg)	(kg)	(kg/km ²)	(kg)	(kg)					(kg/km ²)	(kg)	(kg)				
Red squid	103.80	0.51	94	213	241	2.12	0.42	23	180	368	0.76	0.38	23	148	275		
	83.50	0.45	23	212	185	2.03	0.34	94	151	402	0.74	0.74	94	134	274		
	21.20	0.37	23	40	324	2.00	0.33	94	52	254	0.74	0.37	94	135	394		
	14.90	0.32	94	27	411	1.98	0.28	94	181	392	0.69	0.35	23	67	237		
	12.90	0.28	23	4	164	1.90	0.38	23	98	315	0.68	0.68	94	195	437		
	9.04	0.50	23	201	376	1.74	0.44	94	189	269	0.68	0.34	94	78	364		
	9.00	0.38	94	42	316	1.73	0.58	94	116	219	0.67	0.67	23	123	346		
	7.00	0.24	23	166	375	1.69	0.28	23	23	272	0.65	0.16	23	99	374		
	6.90	0.58	23	214	335	1.67	0.28	94	5	292	0.60	0.30	23	161	252		
	6.66	0.48	23	158	278	1.62	0.27	23	113	366	0.59	0.59	94	197	175		
	6.17	0.28	23	3	246	1.60	0.27	23	5	59	0.57	0.29	94	71	128		
	5.78	0.41	23	6	240	1.57	0.26	94	238	389	0.57	0.57	94	66	116		
	5.20	0.47	94	229	401	1.54	0.51	94	150	276	0.55	0.55	94	170	151		
	4.80	0.34	23	41	122	1.54	0.51	94	182	269	0.53	0.13	23	233	154		
	4.66	0.33	94	6	444	1.46	0.37	23	222	251	0.52	0.26	94	11	148		
	4.58	0.46	23	223	398	1.44	0.36	23	215	169	0.51	0.51	94	203	190		
	4.49	0.45	94	58	455	1.38	0.28	94	36	238	0.50	0.50	94	17	167		
	4.41	0.21	23	11	326	1.37	0.34	23	202	272	0.48	0.48	94	154	185		
	4.25	0.42	94	158	318	1.36	0.68	94	108	243	0.47	0.47	94	166	348		
	4.11	0.37	94	35	346	1.30	0.19	23	63	356	0.47	0.23	23	168	118		
	3.64	0.33	23	146	404	1.30	0.32	94	184	466	0.46	0.46	94	59	121		
	3.50	0.23	94	28	250	1.25	0.42	23	190	426	0.42	0.42	23	151	417		
	3.30	0.55	23	62	359	1.17	0.29	94	145	320	0.41	0.41	94	40	170		
	3.19	0.40	23	237	318	1.10	0.37	94	64	413	0.40	0.40	23	211	219		
	3.06	0.26	23	232	383	1.10	0.37	23	7	91	0.40	0.40	94	65	147		
	3.06	0.38	94	144	287	1.08	0.14	23	12	190	0.40	0.40	23	92	323		
	2.94	0.29	94	74	219	1.06	0.35	94	110	343	0.40	0.40	23	191	93		
	2.91	0.36	94	130	370	1.00	0.50	23	165	420	0.38	0.38	23	42	67		
	2.61	0.52	94	51	414	0.99	0.33	94	118	332	0.38	0.38	94	217	282		
	2.57	0.51	94	169	390	0.91	0.46	94	137	317	0.36	0.36	94	62	249		
	2.35	0.39	94	218	258	0.87	0.44	23	74	397	0.36	0.36	23	177	218		
	2.24	0.32	23	86	275	0.86	0.86	23	100	154	0.35	0.18	94	131	117		
	2.15	0.43	23	65	271	0.81	0.40	23	149	326	0.32	0.32	94	220	465		
	2.12	0.42	94	81	357	0.76	0.15	23	145	402	0.32	0.32	23	179	215		

APPENDIX

Trawl Specifications and Diagrams

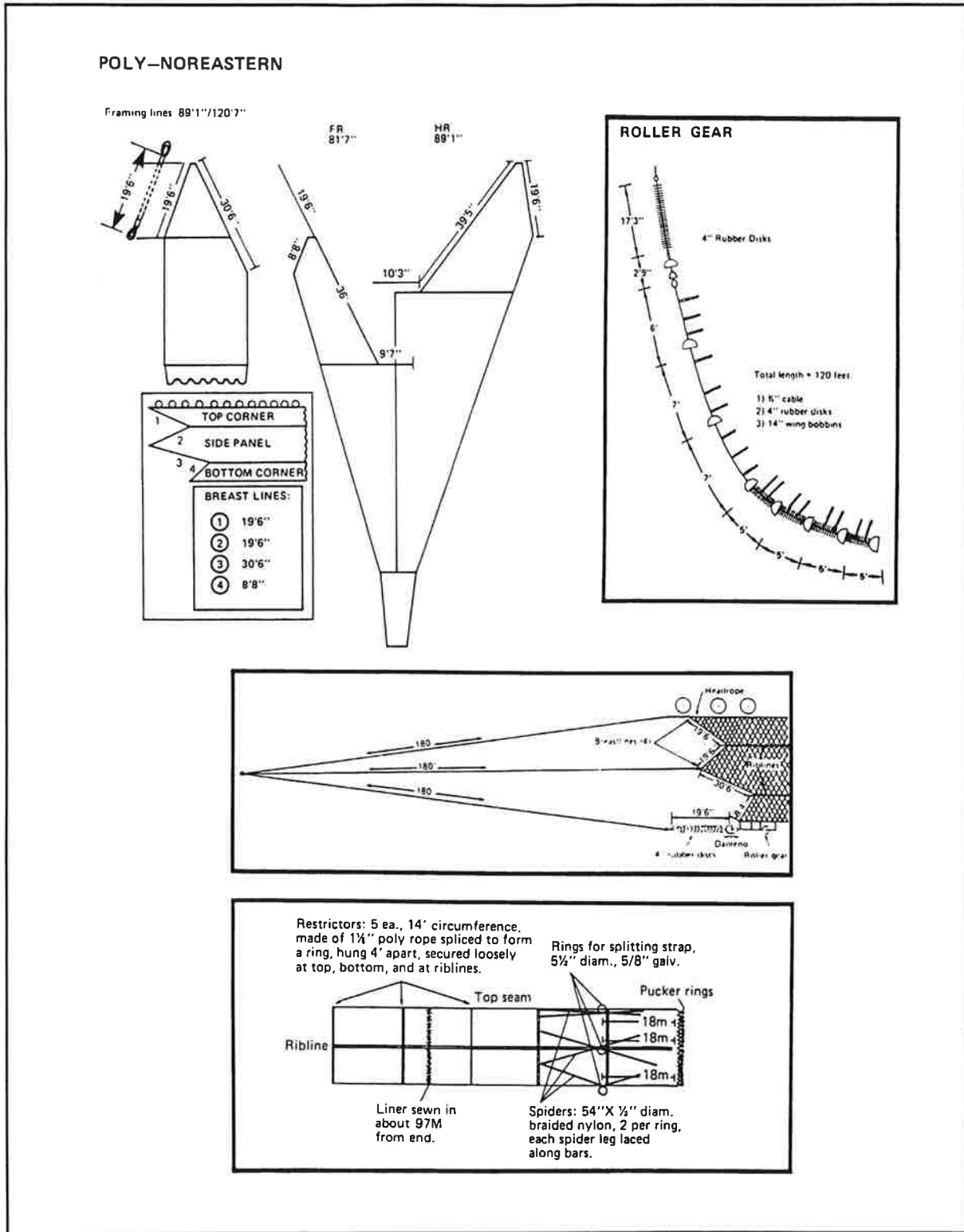


Figure A.--Schematic diagram of the 90-105' polyethylene Nor'eastern bottom trawl, roller gear and accessory gear used during the NMFS Triennial Aleutian Islands bottom trawl survey from 7 June to 15 August 1997.