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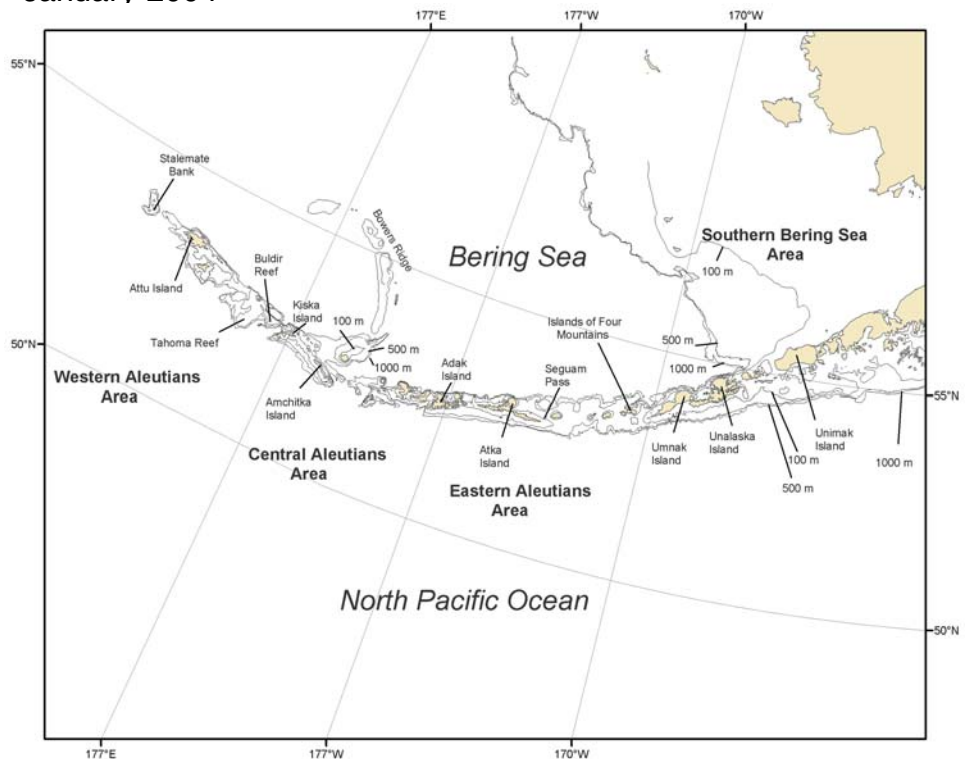
National Marine  
Fisheries Service

U.S. DEPARTMENT OF COMMERCE

# AFSC PROCESSED REPORT 2004-03

## Report to Industry: Fishing Log for the 2000 Bottom Trawl Survey of the Aleutian Islands

January 2004



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REPORT TO INDUSTRY: FISHING LOG FOR THE 2000 ALEUTIAN ISLANDS  
BIENNIAL GROUND FISH SURVEY

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## Contents

INTRODUCTION . . . . .	1
METHODS . . . . .	2
Vessels and Gear Characteristics . . . . .	3
Survey Design and Operations . . . . .	5
RESULTS . . . . .	7
ORGANIZATION OF REPORT AND DATA STANDARDIZATION . . . . .	9
Section 1. Fishing Log for the FV <i>Vesteraalen</i> . . . . .	13
Summary listings of species catches by haul . . . . .	21
Section 2. Fishing Log for the FV <i>Dominator</i> . . . . .	57
Summary listings of species catches by haul . . . . .	65
Section 3. Ranked Catch Per Unit Effort by Species or Species Group . . . . .	101
Section 4. Trawl and Accessories Specifications and Diagrams . . . . .	121



## INTRODUCTION

The seventh comprehensive bottom trawl survey of the Aleutian Islands and southern Bering Sea region was completed during the summer of 2000 by the Resource Assessment and Conservation Engineering (RACE) Division of the Alaska Fisheries Science Center (AFSC), National Marine Fisheries Service (NMFS). The 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, 1994, and 1997. The purpose of this report is to provide pertinent catch information from the survey to the fishing industry.

Historically, the Aleutian Islands have been important fishing grounds for a variety of groundfish species including Pacific ocean perch, Atka mackerel, northern rockfish, walleye pollock, Pacific cod, Pacific halibut, sablefish, rockfishes, 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 and Tahoma Reef (176°E long.), and Stalemate Bank (170°E long.). Sea floor bathymetry of the Aleutian region reflects a volcanic origin characterized by irregular bottom, a narrow continental shelf, and a steep continental slope. The Aleutian Trench, lying approximately 120 km south of the chain and 4,000 - 7,000 m deep, defines the southern limit of the continental shelf and slope. The northern continental shelf and slope vary 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 deep.

## METHODS

The survey was conducted aboard two chartered commercial trawlers, the *FV Vesteraalen* and the *FV Dominator* from 17 May to 25 July 2000. As this was the first government charter of the year for each of the two vessels, a cruise number of 2000-01 was assigned to the survey component of each vessel. The *Vesteraalen* and the *Dominator* completed 213 and 216 successful hauls, respectively. The survey area covered the southern Bering Sea from Unimak Pass (165°W long) to the Islands of Four Mountains

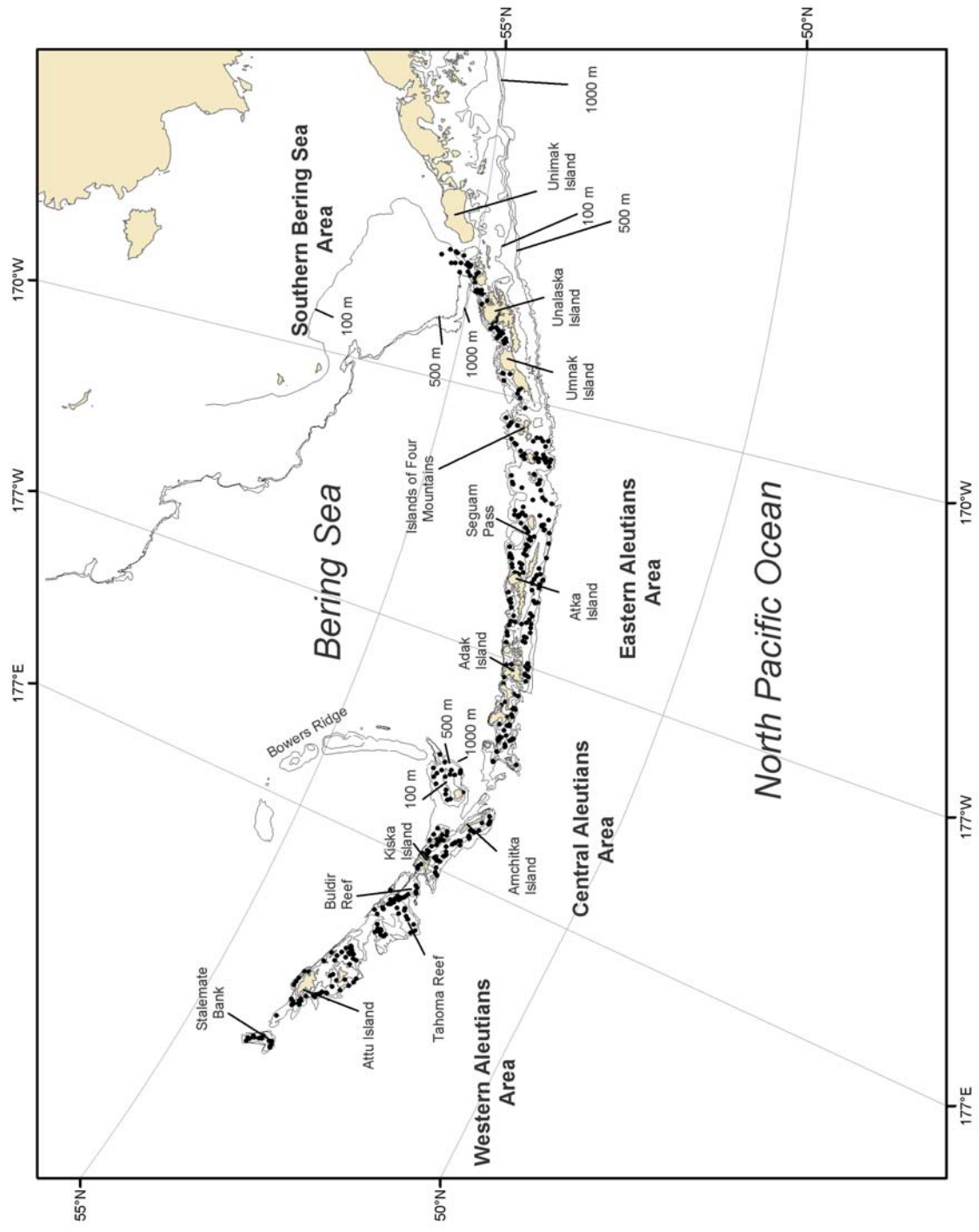


(170°W long.) and the Aleutian Islands from 170°W long. to Stalemate Bank (170°E long., Fig. 1).

### Vessels and Gear Characteristics

Both vessels are house-forward trawlers equipped with stern ramps, two hydraulic net reels, an articulating hydraulic crane used for handling catches and gear 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 single main engines with continuous horsepower ratings of 1,700 (*Vesteraalen*) and 2,000 (*Dominator*) and propeller nozzles. Both vessels employ global positioning systems (GPS) integrated with radar, computerized mapping, and steering controls for navigation. Other electronics essential to the survey include color video fish finders, paper recording depth sounders, VHF and single sideband radios and trawl warp measuring systems.

Both vessels used standard RACE Division Poly Nor'Eastern high-opening bottom trawls rigged with roller gear. See Section 4 for a detailed description and diagrams of gear.



**Figure 1.** Survey stations attempted during the 2000 NMFS biennial Aleutian Islands bottom trawl survey. Meridians shown define INPFC Management Area boundaries. Parallel lines shown are for reference only.

A SCANMAR<sup>1</sup> net mensuration system, consisting of net-mounted sensors acoustically linked to the vessel's data recording system, was used to monitor the net's wingtip opening and the distance between the headrope and footrope during trawling at most stations. After each haul was completed, data from a bottom contact sensor was downloaded and used to determine the actual time the trawl was on bottom. The trawl opening tended to increase horizontally and decrease vertically with increasing depth and wire paid out. The average net opening was 16.0 m wide and 7.0 m high. Duration of tows averaged 16 minutes, distance fished averaged 1.47 km, and towing speed averaged 5.5 km (3.0 nautical miles) per hour over the bottom.

## Survey Design and Operations

For survey purposes, the Aleutian region was divided into four major sections based on geographic features and International North Pacific Fisheries Commission (INPFC) regulatory areas (Fig. 1). Those sections were further divided into 45 area-depth strata to a depth of 500 m as follows: 0-100,

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

101-200, 201-300, and 301-500 m. A Neyman optimum allocation strategy drawing on data from previous surveys was used to develop a stratified random sampling distribution among the strata. Most tow locations were pre-selected, but to satisfy the sampling requirements some new and previously unsampled stations were added.

During survey operations, the first trawlable location encountered near the pre-selected station was sampled. In choosing the exact location, only the bottom conditions indicated by the echosounder were considered; the presence or absence of fish sign was ignored. The duration of the trawl sample at each station was intended to be 15 minutes. Shorter tows were made where towable bottom was scarce. Tows followed depth contours as closely as possible, maintaining a constant speed of 5.5 km/hr (3 knots). However, on some occasions tidal currents slowed tow speed somewhat.

Catches were sorted by species and the number and weight of each species was determined. Other biological data collected included individual length and weight measurements from representative samples of important species, age structures, sexual maturities and special collections of stomach, tissue, whole fish and invertebrates.

Water temperature and depth profile data were collected at each station using a Richard Branker XL-200 data logger attached to the net. Sea surface temperatures were also observed at each station using calibrated bucket thermometers.

## RESULTS

Sampling proceeded from east to west at previously selected stations between 20 m to 622 m deep. Some strata were poorly sampled, due primarily to untrawlable bottom or presence of commercial fishing gear. Successful samples were obtained at 429 of the 457 stations attempted. These data provided the information used to estimate species distribution and abundance. Minimal survey time was lost to bad weather, strong currents and gear repair.

The dominant fish species are ranked by catch per unit effort (CPUE) in Table 1, expressed as kilograms of catch per hectare trawled (kg/ha) for the three Aleutian management areas and the Southern Bering Sea area and for the three Aleutian areas combined. Atka mackerel was the dominant species over the entire area (79.62 kg/ha) due mainly to very high CPUE in the Western and Central Aleutian areas (118.29 and 199.64 kg/ha,

respectively). Pacific ocean perch was either the first or second most abundant species in every management area, as well as overall. Its highest abundance was also in the western and central Aleutian areas (146.53 and 78.43 kg/ha, respectively). Pacific cod abundance declined progressively from 28.5 kg/ha in the Western Aleutian area to 12.24 kg/ha in the Southern Bering Sea. This trend was also observed for several rockfish species including northern, shortraker, and shortspine thornyhead. Walleye pollock was one of the few species that increased in abundance toward the east, ranging from 4.28 kg/ha in the Western Aleutian area to 30.02 kg/ha in the Southern Bering Sea.

Sea surface temperatures were collected at most survey stations and ranged from 3.7° to 8.5°C. Bottom temperatures sampled at 441 stations ranged from 3.0° to 5.4°C. The minimum and maximum surface and bottom temperatures were all lower than those that occurred during the 1997 survey by 0.2° to 1.9°C.

## ORGANIZATION OF REPORT AND DATA STANDARDIZATION

This report focuses on the catch and effort data collected at individual stations and includes information for the principal species encountered during the survey. The results are presented in Section 1 for the FV *Vesteraalen* and Section 2 for the FV *Dominator*. Each section includes station charts with haul numbers plotted adjacent to their locations and listings of species catches by haul. Section 3 is a combined summary listing catch rates for selected commercially important species in descending order of magnitude. Standard survey hauls with catches are reported. Hauls without catches are summarized at the end of the catch listings. Explanations of the gear performance codes appearing in the fishing logs are summarized in Table 2.

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**Table 1.** Mean CPUE in kilograms per hectare (kg/ha) for the 20 most abundant groundfish and total sampling effort in each North Pacific Fishery Management Council regulatory area during the Alaska Fisheries Science Center biennial Aleutian Islands bottom trawl survey.

<u>Western Aleutian Area</u>	<u>CPUE</u>	<u>Central Aleutian Area</u>	<u>CPUE</u>	<u>Eastern Aleutian Area</u>	<u>CPUE</u>
Pacific ocean perch	146.53	Atka mackerel	199.64	Giant grenadier	80.84
Atka mackerel	118.29	Pacific ocean perch	78.43	Pacific ocean perch	55.76
Northern rockfish	93.74	Walleye pollock	25.97	Walleye pollock	22.25
Pacific cod	28.50	Northern rockfish	22.94	Pacific cod	18.72
Shortraker rockfish	11.67	Pacific cod	22.04	Arrowtooth flounder	12.74
Arrowtooth flounder	8.38	Northern rock sole	10.91	Pacific halibut	10.52
Northern rock sole	7.01	Kamchatka flounder	9.00	Northern rockfish	9.90
Pacific halibut	6.95	Shortraker rockfish	8.19	Kamchatka flounder	3.30
Walleye pollock	4.28	Giant grenadier	7.45	Northern rock sole	3.24
Alaska skate	3.70	Rougeye rockfish	5.64	Whiteblotched skate	2.99
Shortspine thornyhead	3.60	Arrowtooth flounder	5.44	Shortraker rockfish	2.33
Whiteblotched skate	2.84	Sablefish	5.19	Greenland turbot	2.26
Prowfish	2.73	Pacific halibut	3.60	Sculpins	1.95
Kamchatka flounder	2.71	Sculpins	2.49	Rougeye rockfish	1.68
Giant grenadier	2.40	Shortspine thornyhead	2.31	Flathead sole	1.00
Flathead sole	1.40	Greenland turbot	1.42	Alaska skate	0.80
Sculpins	1.02	Alaska skate	1.15	Rex sole	0.70
Rex sole	0.97	Prowfish	1.12	Sablefish	0.61
Squid	0.65	Rex sole	0.88	Squid	0.39
Aleutian skate	0.61	Aleutian skate	0.72	Sharks	0.37
<b>Number of hauls</b>	<b>113</b>	<b>Number of hauls</b>	<b>110</b>	<b>Number of hauls</b>	<b>138</b>

<u>All Aleutian Areas</u>	<u>CPUE</u>	<u>Southern Bering Sea Area</u>	<u>CPUE</u>	<u>All Areas</u>	<u>CPUE</u>
Atka mackerel	89.73	Walleye pollock	30.02	Atka mackerel	79.62
Pacific ocean perch	86.56	Pacific ocean perch	25.22	Pacific ocean perch	79.44
Giant grenadier	38.59	Arrowtooth flounder	14.21	Giant grenadier	34.11
Northern rockfish	36.06	Pacific cod	12.24	Northern rockfish	31.88
Pacific cod	22.29	Northern rock sole	9.65	Pacific cod	21.12
Walleye pollock	18.54	Pacific halibut	8.83	Walleye pollock	19.87
Arrowtooth flounder	9.46	Southern rock sole	6.99	Arrowtooth flounder	10.01
Pacific halibut	7.55	Flathead sole	5.38	Pacific halibut	7.70
Shortraker rockfish	6.52	Sculpins	3.28	Northern rock sole	6.84
Northern rock sole	6.47	Atka mackerel	2.73	Shortraker rockfish	5.87
Kamchatka flounder	4.80	Rex sole	2.43	Kamchatka flounder	4.42
Rougeye rockfish	2.50	Sharks	2.33	Rougeye rockfish	2.37
Whiteblotched skate	2.29	Kamchatka flounder	1.56	Whiteblotched skate	2.11
Sculpins	1.86	Smelts (unident.)	1.45	Sculpins	2.02
Sablefish	1.81	Rougeye rockfish	1.41	Shortspine thornyhead	1.69
Shortspine thornyhead	1.72	Shortspine thornyhead	1.41	Sablefish	1.62
Alaska skate	1.68	Unidentified skate	1.35	Alaska skate	1.52
Greenland turbot	1.56	Shortraker rockfish	0.86	Greenland turbot	1.45
Prowfish	1.11	Whiteblotched skate	0.81	Flathead sole	1.37
Flathead sole	0.84	Starry flounder	0.79	Rex sole	1.01
<b>Number of hauls</b>	<b>361</b>	<b>Number of hauls</b>	<b>58</b>	<b>Number of hauls</b>	<b>419</b>



**Table 2.** Performance codes used during the 2000 Aleutian Island Groundfish Survey.

Codes	Performance
0	Good performance
1	Satisfactory performance, hung up
1.1	Satisfactory performance, minor hang(s)
1.11	Satisfactory performance, completed tow
1.12	Satisfactory performance, hauled back early due to hang(s)
1.2	Satisfactory performance, major hang, stopped forward progress of vessel.
2	Satisfactory performance, unspecified gear damage
2.1	Satisfactory performance, wing damaged
2.4	Satisfactory performance, belly damaged
3.1	Satisfactory performance, caught pot, unspecified type
3.13	Satisfactory performance, Alaskan crab pot
4	Satisfactory performance, caught unspecified object
4.1	Satisfactory performance, caught large rock
4.4	Satisfactory performance, large fish catch affected net performance
4.5	Satisfactory performance, large invertebrate catch affected net performance
5	Satisfactory performance, unspecified gear performance problem
5.1	Satisfactory performance, net came off bottom
5.3	Satisfactory performance, weather affected trawl performance
5.4	Satisfactory performance, unspecified door problem
5.41	Satisfactory performance, door digging or falling over
5.5	Satisfactory performance, net crabbing severely
6.1	Satisfactory performance, depth change over tow exceeds survey defined limits
-1	Unsatisfactory performance, hung up
-1.12	Unsatisfactory performance, hauled back early due to hang(s)
-1.2	Unsatisfactory performance, major hang, stopped forward progress of vessel
-2.1	Unsatisfactory performance, wing damaged
-2.2	Unsatisfactory performance, breastline damaged
-2.4	Unsatisfactory performance, belly damaged
-4	Unsatisfactory performance, caught unspecified object
-5.1	Unsatisfactory performance, net came off bottom
-5.23	Unsatisfactory performance headrope/footrope tangled
-5.41	Unsatisfactory performance, door digging or falling over
-5.42	Unsatisfactory performance, doors crossed

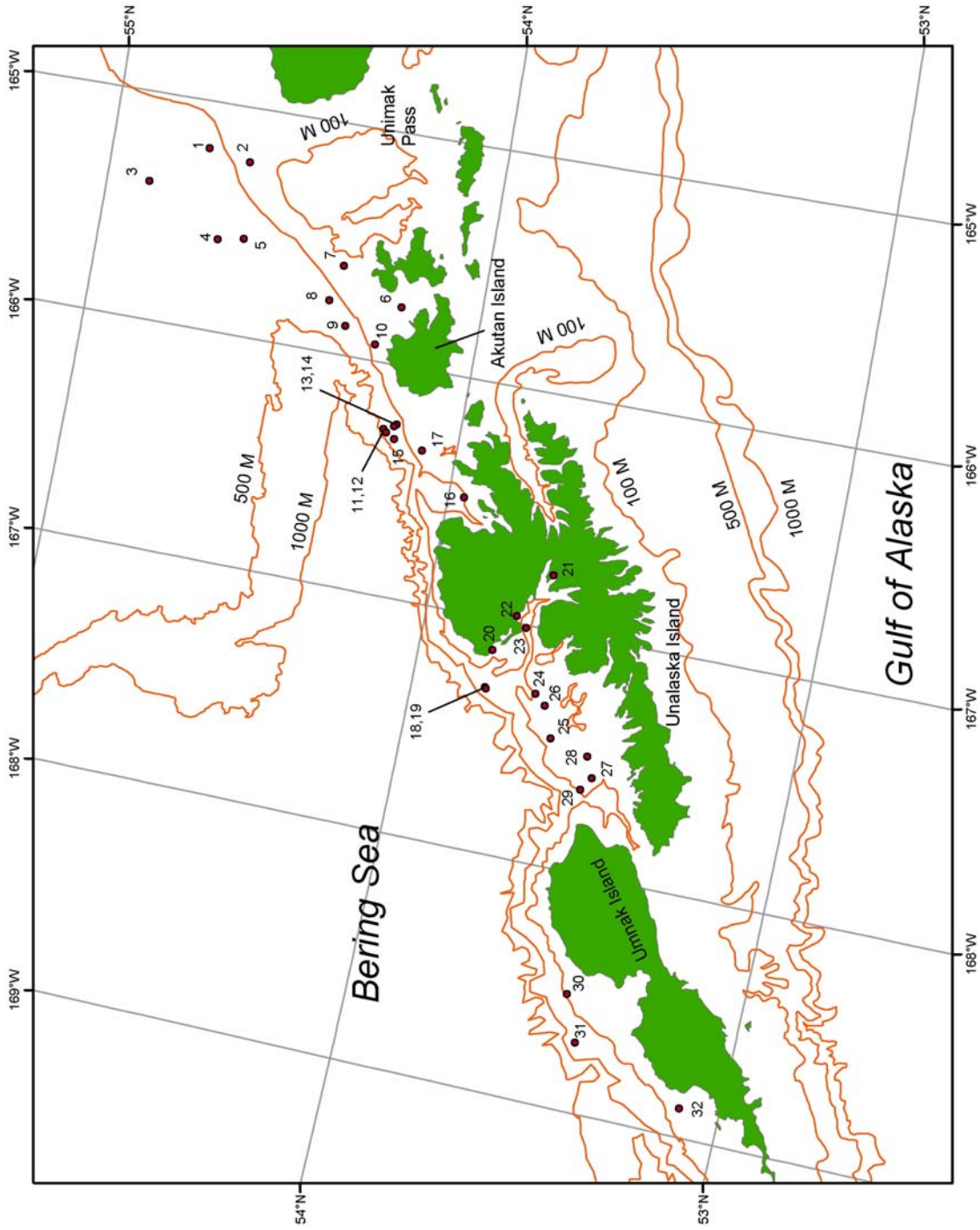


## Section 1

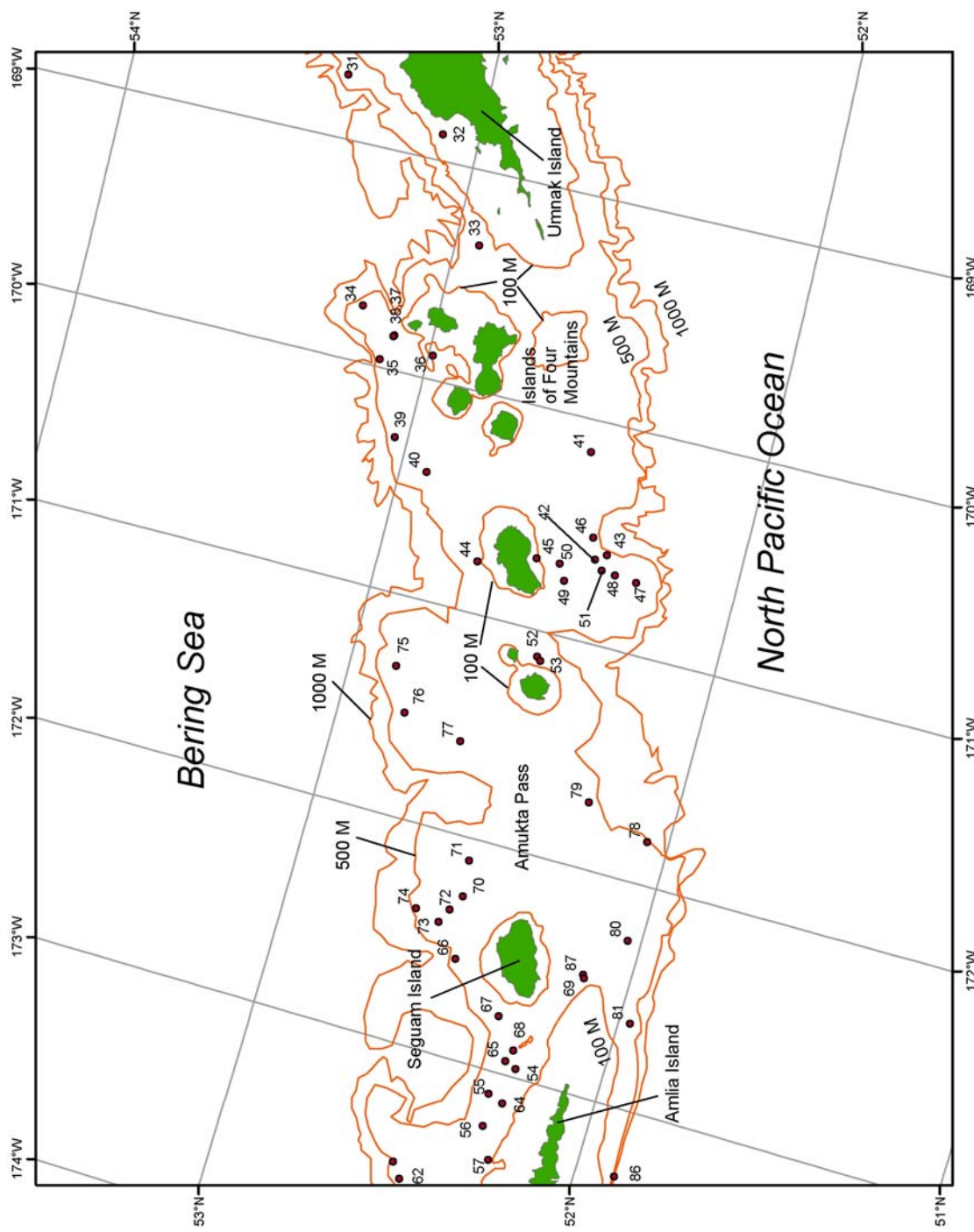
# Fishing Log for the FV *Vesteraalen*

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

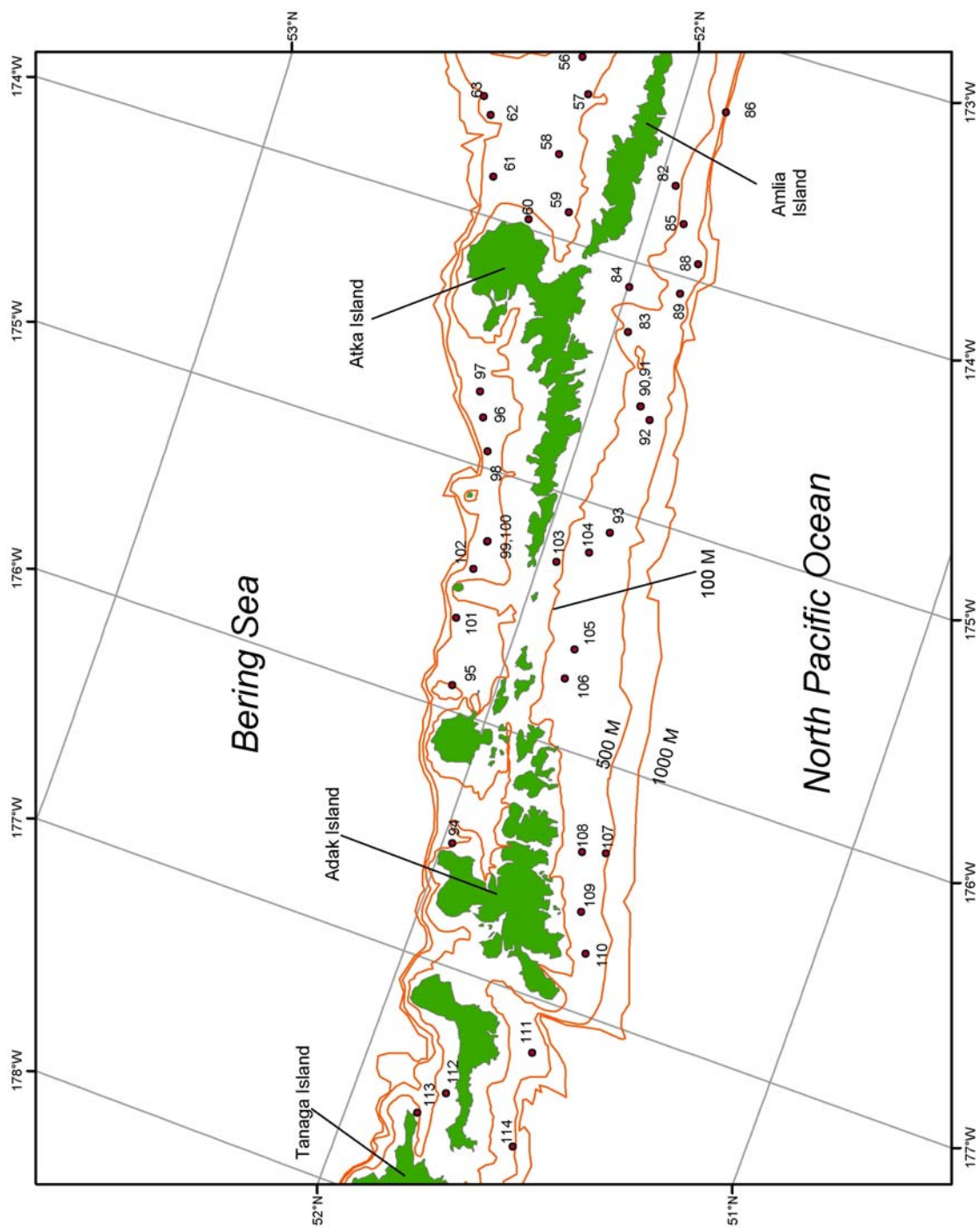




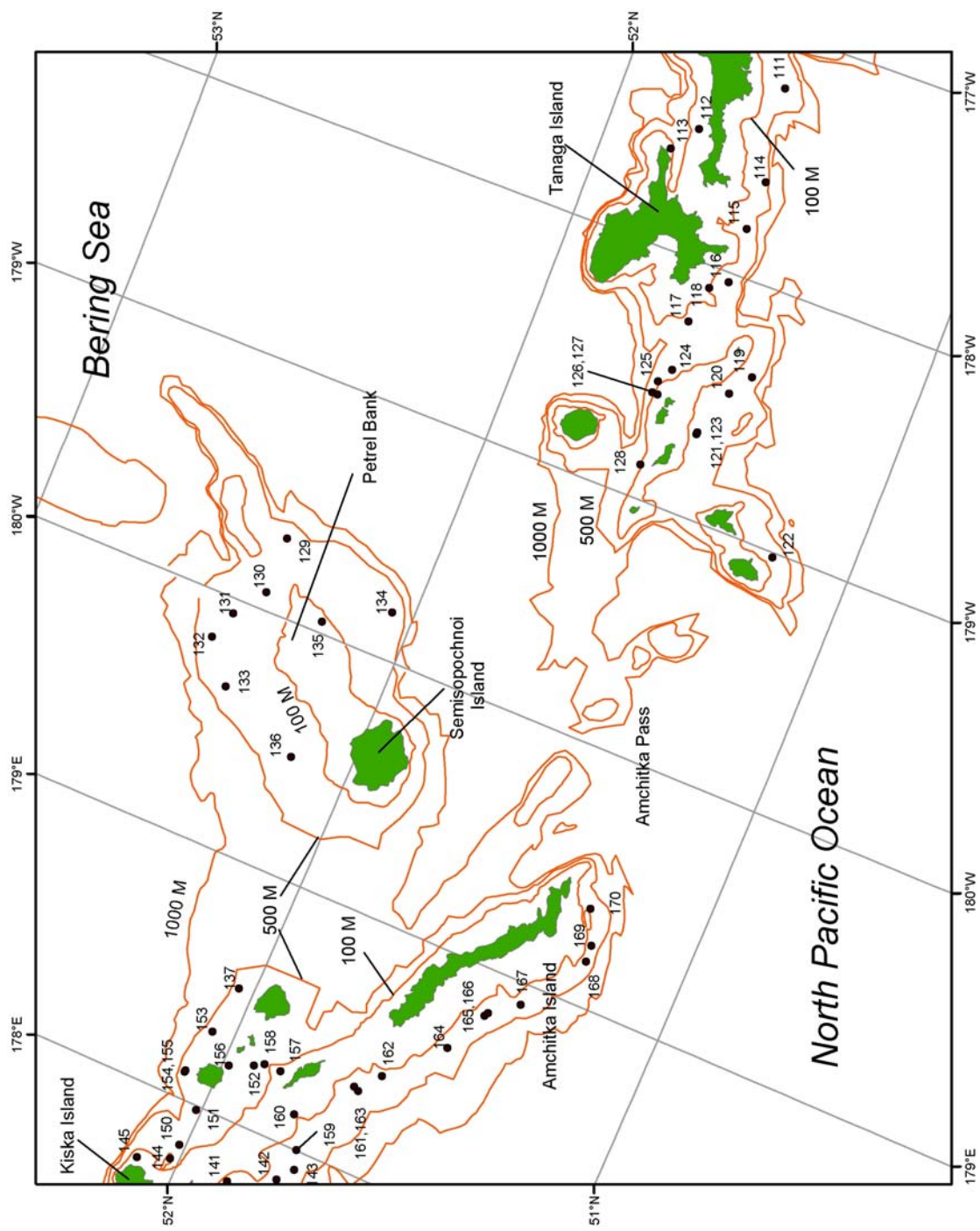
**Figure 2.** Stations surveyed by the chartered trawler FV Vesteraaalen from Unimak Island to Unimak Island.



**Figure 3.** Stations surveyed by the chartered trawler FV Vesteraalen from Umnak Island to Amalia Island.

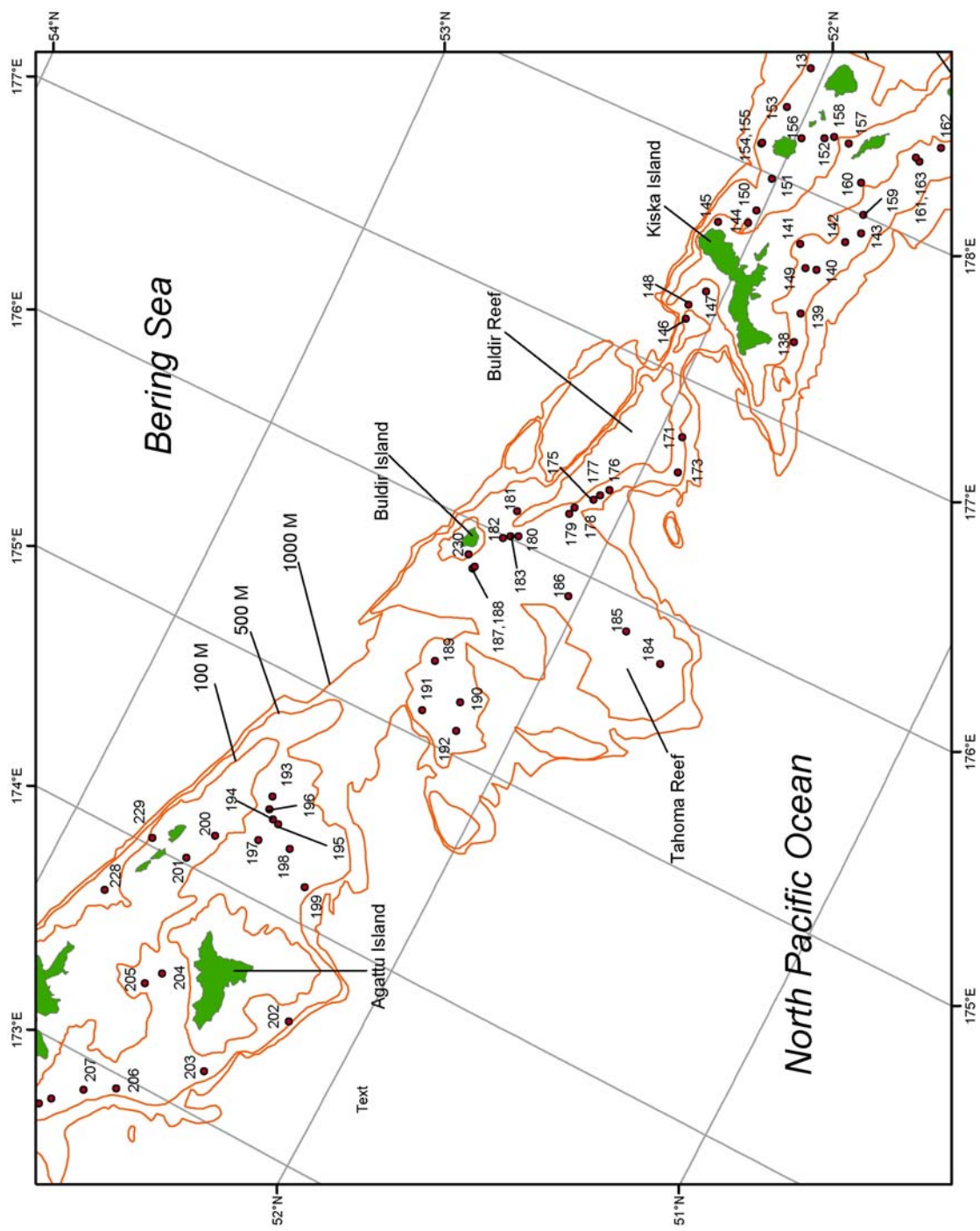


**Figure 4.** Stations surveyed by the chartered trawler FV Vesteraalen from Amliia Island to Tanaga Island.

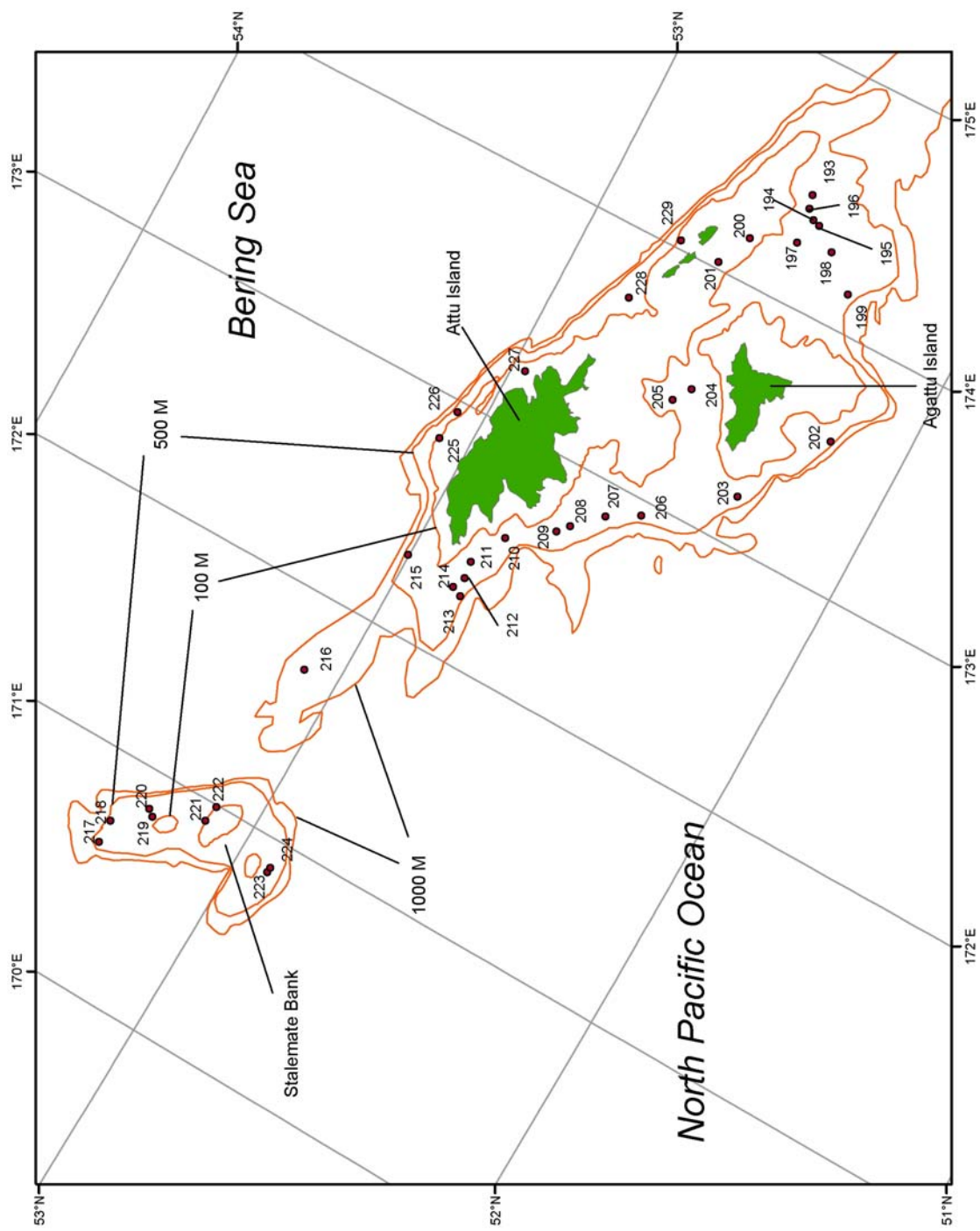


**Figure 5.** Stations surveyed by the chartered trawler FV Vesteraalen from Tanaga Island to Kiska Island.





**Figure 6.** Stations surveyed by the chartered trawler FV Vesteraalen from Kiska Island to Agattu Island.



**Figure 7.** Stations surveyed by the chartered trawler FV Vesteraalen from Agattu Island to Stalemate Bank.

Section 1 (continued)

**Fishing Log for the FV *Vesteraalen***

- Summary listings of species catches by haul
- Haul start/end latitude and longitude in degrees, minutes, and decimal minutes
- 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



Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	1	2	3	4	5	6	7
Start date & time	05/20/00 07	05/20/00 10	05/20/00 13	05/20/00 15	05/20/00 17	05/21/00 07	05/21/00 10
Start latitude	N 5445.33	N 5438.87	N 5453.52	N 5441.77	N 5437.85	N 5412.28	N 5422.05
Start longitude	W 16512.33	W 16514.33	W 16523.59	W 16535.75	W 16534.39	W 16544.86	W 16536.88
End latitude	N 5444.63	N 5439.63	N 5453.37	N 5441.48	N 5438.65	N 5413.02	N 5422.78
End longitude	W 16512.80	W 16514.06	W 16522.21	W 16534.37	W 16533.83	W 16545.32	W 16536.02
Gear depth (m)	116	82	123	273	271	86	78
Duration (minutes)	15.6	16.2	16.8	17.4	17.4	16.2	18
Distance fished (km)	1.421	1.466	1.534	1.589	1.647	1.491	1.677
Performance	0	0	0	0	0	0	5.4
Atka mackerel	0	0	0	0	0	0	2
Pacific cod	28	43	69	29	18	91	437
Walleye pollock	332	32	308	8	57	808	1229
Pacific ocean perch	0	0	0	4	6	< 1	3
Northern rockfish	0	0	0	0	0	0	< 1
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	4	< 1
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	3	0	0
Arrowtooth flounder	13	54	37	39	39	22	2
Pacific halibut	12	50	4	2	2	2	42
Northern rock sole	22	11	2	0	< 1	3	35
Southern rock sole	0	0	0	0	0	2	4
Kamchatka flounder	0	0	0	0	0	0	0
Greenland turbot	0	0	0	11	9	0	0
Flathead sole	11	23	4	38	16	38	< 1
Rex sole	< 1	< 1	1	9	9	13	0
Dover sole	0	0	0	0	< 1	< 1	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	12	0	26	0	7	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	1	< 1	0	0	0	2	24
Other sculpins	0	< 1	0	< 1	3	7	0
Eelpout unident.	0	0	0	0	0	0	0
Other fish	3	0	0	< 1	3	< 1	6
Bairdi tanner crab	0	0	0	< 1	< 1	12	< 1
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	< 1	< 1	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	< 1
Magistrate armhook squid	< 1	0	0	1	1	< 1	0
Sponge	0	0	0	0	0	< 1	310
Starfish	0	0	0	< 1	0	2	< 1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	0	0	< 1	< 1	< 1	< 1	< 1
Other invertebrate	< 1	0	1	8	1	< 1	5
Total catch (kg)	425	225	426	177	169	1014	2102

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	8	9	10	11	12	13	14
Start date & time	05/21/00 14	05/21/00 17	05/22/00 07	05/22/00 10	05/22/00 11	05/22/00 13	05/22/00 16
Start latitude	N 5423.33	N 5420.21	N 5415.25	N 5411.63	N 5411.16	N 5409.80	N 5410.10
Start longitude	W 16546.46	W 16552.28	W 16555.70	W 16616.90	W 16617.73	W 16615.18	W 16615.73
End latitude	N 5422.83	N 5419.67	N 5414.98	N 5411.85	N 5411.51	N 5410.16	N 5409.94
End longitude	W 16547.45	W 16553.33	W 16557.02	W 16615.55	W 16616.48	W 16614.04	W 16617.04
Gear depth (m)	233	155	85	262	201	116	141
Duration (minutes)	16.2	16.2	16.8	16.8	16.2	16.2	16.8
Distance fished (km)	1.463	1.549	1.537	1.567	1.532	1.462	1.513
Performance	0	0	0	-2.4	0	0	0
Atka mackerel	0	< 1	0	0	0	< 1	0
Pacific cod	1	8	29	3	19	14	12
Walleye pollock	76	361	2	79	186	186	348
Pacific ocean perch	80	6	0	112	751	21	0
Northern rockfish	0	0	0	0	3	0	0
Shortraker rockfish	0	0	0	11	0	0	0
Rougheye rockfish	2	0	0	0	2	0	0
Shortspine thornyhead	0	0	0	2	0	0	0
Light dusky rockfish	1	1	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	586	16	44	10	18	184	86
Pacific halibut	0	0	13	0	0	18	10
Northern rock sole	3	0	23	5	0	46	18
Southern rock sole	0	0	28	1	0	0	0
Kamchatka flounder	2	0	0	1	0	0	< 1
Greenland turbot	0	0	0	104	3	0	0
Flathead sole	2	< 1	< 1	0	2	15	1
Rex sole	67	6	< 1	5	6	2	7
Dover sole	0	< 1	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	13	0	0	< 1	2	< 1	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	97	4	0	0	0	11	15
Other sculpins	5	2	< 1	< 1	< 1	0	< 1
Eelpout unident.	0	0	0	0	0	0	0
Other fish	3	1	< 1	< 1	2	< 1	< 1
Bairdi tanner crab	0	< 1	0	0	0	0	0
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	< 1	0	0	< 1	0	0	0
Sidestripe shrimp	0	0	0	< 1	0	0	0
Scallop unident.	0	0	0	0	< 1	< 1	< 1
Magistrate armhook squid	5	2	< 1	4	2	< 1	0
Sponge	0	< 1	0	< 1	< 1	< 1	< 1
Starfish	1	< 1	0	< 1	< 1	< 1	< 1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	< 1	0	0	0	< 1	1	< 1
Other invertebrate	< 1	0	< 1	< 1	< 1	2	< 1
Total catch (kg)	946	409	141	338	997	503	499

## Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	15	16	17	18	19	20	21
Start date & time	05/22/00 17	05/23/00 07	05/23/00 09	05/23/00 15	05/23/00 17	05/23/00 19	05/24/00 07
Start latitude	N 5409.75	N 5357.61	N 5405.23	N 5348.84	N 5348.63	N 5348.84	N 5341.87
Start longitude	W 16618.100	W 16630.55	W 16620.62	W 16717.64	W 16717.97	W 16707.85	W 16645.92
End latitude	N 5409.40	N 5358.30	N 5405.52	N 5348.11	N 5348.01	N 5348.14	N 5341.85
End longitude	W 16620.22	W 16629.95	W 16621.87	W 16718.64	W 16718.76	W 16707.22	W 16647.00
Gear depth (m)	152	125	81	331	313	30	82
Duration (minutes)	16.8	16.8	16.2	19.8	18	16.8	14.4
Distance fished (km)	1.513	1.483	1.488	1.816	1.5	1.52	1.279
Performance	0	0	0	-2.4	5.1	0	3.1
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	16	44	< 1	3	7	16	52
Walleye pollock	1,285	79	< 1	101	27	0	27
Pacific ocean perch	< 1	0	0	31	20	0	0
Northern rockfish	0	< 1	0	0	0	0	0
Shortraker rockfish	0	0	0	4	19	0	0
Rougheye rockfish	0	0	< 1	51	26	0	0
Shortspine thornyhead	0	0	0	28	19	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	< 1	0	0	0
Sablefish	0	0	0	2	0	0	0
Arrowtooth flounder	44	27	18	32	24	2	9
Pacific halibut	4	0	55	6	8	50	6
Northern rock sole	7	0	19	< 1	0	45	4
Southern rock sole	0	0	18	< 1	0	106	4
Kamchatka flounder	0	0	0	3	0	0	0
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	1	68	8	17	13	2	244
Rex sole	5	18	0	9	18	< 1	< 1
Dover sole	0	0	0	6	4	0	0
Yellowfin sole	0	0	0	0	0	0	17
English sole	0	0	0	0	0	0	< 1
Other flatfish	0	0	0	0	0	< 1	45
Skate unident.	0	0	24	< 1	3	< 1	0
Shark unident.	0	0	0	14	0	0	0
Yellow Irish Lord	< 1	0	3	0	0	0	2
Other sculpins	< 1	< 1	0	1	1	9	4
Eelpout unident.	0	0	0	< 1	< 1	0	< 1
Other fish	0	< 1	0	3	< 1	0	2
Bairdi tanner crab	0	< 1	0	0	0	0	9
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	< 1	< 1	0	0
Sidestripe shrimp	0	0	0	< 1	< 1	0	0
Scallop unident.	0	0	< 1	0	0	0	0
Magistrate armhook squid	< 1	< 1	0	8	3	1	2
Sponge	0	0	< 1	4	< 1	< 1	< 1
Starfish	< 1	0	< 1	< 1	< 1	< 1	2
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	0	1	0	0	0
Snail	0	< 1	0	< 1	0	0	2
Other invertebrate	< 1	3	2	< 1	< 1	< 1	50
Total catch (kg)	1,366	240	148	327	195	233	481

## Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	22	23	24	25	26	27	28
Start date & time	05/24/00 09	05/24/00 11	05/24/00 13	05/24/00 15	05/24/00 17	05/25/00 07	05/25/00 09
Start latitude	N 5346.18	N 5344.44	N 5341.08	N 5337.44	N 5339.29	N 5330.01	N 5331.35
Start longitude	W 16658.07	W 16700.63	W 16716.78	W 16727.26	W 16719.22	W 16735.06	W 16729.87
End latitude	N 5345.70	N 5343.97	N 5341.89	N 5338.20	N 5338.83	N 5330.74	N 5330.96
End longitude	W 16656.96	W 16701.61	W 16716.93	W 16726.78	W 16720.38	W 16734.57	W 16731.04
Gear depth (m)	12	180	108	86	78	67	68
Duration (minutes)	16.8	16.2	17.4	16.8	16.8	16.2	16.8
Distance fished (km)	1.555	1.463	1.543	1.545	1.557	1.482	1.514
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	< 1	10	61	9	5	0	3
Walleye pollock	< 1	9	4	0	1	0	1
Pacific ocean perch	0	0	0	0	0	0	0
Northern rockfish	0	0	0	0	0	< 1	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	< 1	0	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	< 1	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	< 1	23	18	4	2	10	8
Pacific halibut	59	0	0	18	0	0	1
Northern rock sole	44	0	0	21	2	23	13
Southern rock sole	< 1	0	2	7	37	62	38
Kamchatka flounder	0	0	0	0	0	0	0
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	18	147	14	3	0	1	2
Rex sole	0	28	3	1	< 1	< 1	1
Dover sole	0	< 1	0	0	0	0	0
Yellowfin sole	18	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	153	< 1	0	0	0	0	0
Skate unident.	0	9	0	0	2	0	0
Shark unident.	0	281	0	0	0	0	0
Yellow Irish Lord	2	0	0	0	0	0	0
Other sculpins	0	5	< 1	0	0	0	0
Eelpout unident.	< 1	< 1	< 1	0	0	0	0
Other fish	237	11	0	< 1	0	< 1	< 1
Bairdi tanner crab	< 1	2	< 1	0	0	< 1	0
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	< 1	< 1	0	0	0	0
Sidestripe shrimp	0	< 1	0	0	0	0	0
Scallop unident.	0	< 1	0	0	< 1	< 1	< 1
Magistrate armhook squid	0	< 1	0	0	0	0	0
Sponge	< 1	0	< 1	< 1	< 1	0	0
Starfish	7	1	2	0	< 1	< 1	0
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	0	0	0	< 1	0
Snail	0	0	0	< 1	< 1	< 1	< 1
Other invertebrate	4	< 1	< 1	2	< 1	< 1	1
Total catch (kg)	543	531	106	65	51	99	69



## Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	29	30	31	32	33	34	35
Start date & time	05/25/00 10	05/25/00 15	05/25/00 17	05/26/00 07	05/26/00 10	05/26/00 15	05/26/00 18
Start latitude	N 5331.41	N 5326.79	N 5323.94	N 5306.17	N 5255.99	N 5312.70	N 5307.82
Start longitude	W 16738.61	W 16830.41	W 16842.09	W 16852.60	W 16920.48	W 16944.27	W 16957.70
End latitude	N 5331.32	N 5327.33	N 5324.53	N 5305.62	N 5256.58	N 5313.49	N 5308.21
End longitude	W 16739.93	W 16829.47	W 16841.41	W 16853.54	W 16919.28	W 16944.57	W 16956.65
Gear depth (m)	99	109	268	106	401	316	433
Duration (minutes)	16.2	16.2	14.4	16.8	18	16.2	16.8
Distance fished (km)	1.488	1.492	1.363	1.515	1.766	1.563	1.424
Performance	0	0	3.13	0	0	0	-2.4
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	36	18	18	3	0	5	0
Walleye pollock	2	58	1	3	< 1	78	9
Pacific ocean perch	0	< 1	1163	0	9	74	1
Northern rockfish	0	0	1	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	57
Rougheye rockfish	0	0	25	0	4	37	15
Shortspine thornyhead	0	0	7	0	0	68	8
Light dusky rockfish	0	0	2	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	5	5	0
Arrowtooth flounder	39	9	20	< 1	40	70	27
Pacific halibut	7	10	4	7	0	3	0
Northern rock sole	2	44	< 1	12	0	0	0
Southern rock sole	0	0	0	5	0	0	0
Kamchatka flounder	0	0	0	0	144	13	19
Greenland turbot	0	0	0	0	36	3	21
Flathead sole	< 1	4	0	0	0	< 1	0
Rex sole	20	< 1	< 1	< 1	2	5	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	28	0	0	20	17	14
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	7	0	2	0	0	0
Other sculpins	< 1	< 1	3	< 1	1	11	4
Eelpout unident.	0	0	0	0	0	0	2
Other fish	0	0	3	0	< 1	0	8
Bairdi tanner crab	< 1	0	0	0	< 1	0	0
Golden king crab	0	0	< 1	0	8	5	2
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	< 1	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	0	< 1	< 1	< 1	0	0
Magistrate armhook squid	0	< 1	< 1	0	< 1	7	4
Sponge	< 1	0	1	3	2	21	28
Starfish	0	< 1	< 1	< 1	< 1	< 1	< 1
Soft coral	0	0	0	0	0	< 1	< 1
Stony coral unident.	0	0	0	0	< 1	0	< 1
Octopus	0	0	2	0	0	0	0
Snail	0	< 1	< 1	0	< 1	< 1	0
Other invertebrate	< 1	2	< 1	< 1	2	1	< 1
Total catch (kg)	106	181	1254	37	276	423	219

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	36	37	38	39	40	41	42
Start date & time	05/27/00 07	05/27/00 10	05/27/00 11	05/27/00 16	05/27/00 19	05/29/00 12	05/29/00 16
Start latitude	N 5259.27	N 5306.35	N 5306.50	N 5302.18	N 5255.52	N 5229.46	N 5224.39
Start longitude	W 16953.29	W 16950.28	W 16950.59	W 17017.92	W 17025.04	W 17008.83	W 17037.24
End latitude	N 5258.35	N 5306.93	N 5306.90	N 5302.50	N 5254.95	N 5228.65	N 5223.57
End longitude	W 16952.96	W 16950.94	W 16951.49	W 17017.44	W 17024.46	W 17008.82	W 17037.48
Gear depth (m)	120	336	321	210	218	183	313
Duration (minutes)	18.6	14.4	15	10.8	15	16.8	18
Distance fished (km)	1.795	1.345	1.295	0.888	1.275	1.525	1.592
Performance	5.5	-2.1	0	-1.2	1.12	0	0
Atka mackerel	21	5	0	0	0	1	0
Pacific cod	16	9	0	53	6	5	0
Walleye pollock	< 1	6	1	0	0	0	6
Pacific ocean perch	0	20	8	40	572	4	36
Northern rockfish	0	1	< 1	0	< 1	< 1	3
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	1	6	0	0	0	9
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	1	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	3	30	23	18	54	34	7
Pacific halibut	176	0	3	0	11	74	16
Northern rock sole	6	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	0	6	< 1	< 1	0	< 1
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	< 1	0	0	0	0	0	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	7	8	18	7	13	0	< 1
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	< 1	0	0	0
Other sculpins	7	1	< 1	6	4	2	< 1
Eelpout unident.	0	0	0	0	0	0	< 1
Other fish	< 1	< 1	< 1	< 1	< 1	< 1	0
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	0	< 1	0	3
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	17	1	0	0	0	0	0
Magistrate armhook squid	0	0	0	< 1	1	< 1	< 1
Sponge	2	1	0	42	20	110	6
Starfish	1	< 1	< 1	< 1	1	1	< 1
Soft coral	0	0	0	< 1	< 1	< 1	0
Stony coral unident.	< 1	0	0	< 1	< 1	< 1	0
Octopus	0	0	0	0	0	0	0
Snail	< 1	< 1	< 1	0	0	0	0
Other invertebrate	14	1	2	6	14	3	3
Total catch (kg)	272	84	67	176	699	236	92

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	43	44	45	46	47	48	49
Start date & time	05/29/00 18	05/30/00 07	05/30/00 10	05/30/00 12	05/30/00 14	05/30/00 18	05/31/00 07
Start latitude	N 5222.62	N 5243.46	N 5233.91	N 5225.57	N 5216.65	N 5220.45	N 5228.54
Start longitude	W 17035.15	W 17045.65	W 17040.82	W 17031.46	W 17040.55	W 17040.09	W 17044.96
End latitude	N 5223.43	N 5243.92	N 5234.27	N 5224.89	N 5216.76	N 5220.21	N 5228.66
End longitude	W 17034.81	W 17044.39	W 17039.58	W 17032.29	W 17039.28	W 17038.78	W 17046.25
Gear depth (m)	362	254	84	397	148	224	254
Duration (minutes)	16.8	17.4	17.4	16.8	16.2	16.2	17.4
Distance fished (km)	1.598	1.686	1.6	1.612	1.484	1.604	1.545
Performance	0	0	0	0	3.13	2	0
Atka mackerel	0	0	0	0	2	0	0
Pacific cod	0	125	20	0	63	8	65
Walleye pollock	10	44	< 1	< 1	< 1	0	3
Pacific ocean perch	19	7	2	41	2319	15	17
Northern rockfish	0	0	0	0	1749	0	4
Shortraker rockfish	0	0	0	14	0	0	0
Rougheye rockfish	5	0	0	69	0	0	0
Shortspine thornyhead	0	0	0	2	0	0	0
Light dusky rockfish	1	0	0	0	23	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	5	0	0	0
Arrowtooth flounder	23	16	0	42	9	31	9
Pacific halibut	26	40	23	74	52	0	0
Northern rock sole	0	0	5	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	6	0	0	0	8	0
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	0	0	0	0	0	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	40	15	10	6	0	9
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	2	9	0	0	0	3
Other sculpins	2	2	< 1	< 1	< 1	22	6
Eelpout unident.	0	0	0	< 1	0	0	0
Other fish	< 1	< 1	< 1	< 1	3	< 1	< 1
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	4	0	0	8	0	2	2
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	< 1	< 1	0	0	0	0
Magistrate armhook squid	< 1	1	1	3	< 1	0	2
Sponge	< 1	2	223	< 1	32	11	10
Starfish	< 1	0	< 1	< 1	< 1	< 1	< 1
Soft coral	0	0	< 1	0	< 1	< 1	< 1
Stony coral unident.	< 1	0	13	0	1	< 1	< 1
Octopus	0	0	0	0	0	0	< 1
Snail	0	0	3	0	0	< 1	< 1
Other invertebrate	< 1	< 1	12	2	8	3	10
Total catch (kg)	91	286	326	273	4270	101	142

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	50	51	52	53	54	55	56
Start date & time	05/31/00 09	05/31/00 10	05/31/00 13	05/31/00 16	06/01/00 08	06/01/00 10	06/01/00 12
Start latitude	N 5229.96	N 5222.78	N 5229.68	N 5228.97	N 5214.52	N 5217.65	N 5217.06
Start longitude	W 17040.65	W 17039.67	W 17106.94	W 17107.90	W 17257.49	W 17305.98	W 17314.88
End latitude	N 5229.61	N 5222.02	N 5228.88	N 5228.33	N 5214.90	N 5217.60	N 5217.30
End longitude	W 17042.05	W 17039.04	W 17107.22	W 17107.94	W 17258.66	W 17306.95	W 17316.08
Gear depth (m)	208	278	303	247	131	394	343
Duration (minutes)	17.4	16.8	16.8	16.2	16.2	11.4	16.8
Distance fished (km)	1.734	1.615	1.544	1.235	1.54	1.122	1.516
Performance	0	0	0	5.3	0	0	0
Atka mackerel	1	0	1	0	0	0	0
Pacific cod	81	4	0	162	73	0	3
Walleye pollock	3	4	< 1	< 1	0	16	72
Pacific ocean perch	5	20	188	512	0	8	15
Northern rockfish	< 1	1	5	18	0	0	0
Shortraker rockfish	0	0	0	0	0	9	8
Rougheye rockfish	0	17	3	2	0	14	14
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	4	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	14	2	0	20	0
Arrowtooth flounder	1	16	148	18	< 1	17	21
Pacific halibut	28	0	47	81	23	3	0
Northern rock sole	3	0	0	0	26	< 1	0
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	1	61	4	0	4	5
Greenland turbot	0	0	0	0	0	40	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	0	16	0	0	5	3
Dover sole	0	0	0	0	0	0	< 1
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	12	11	19	43	10	3	1
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	4	6	0	0	0
Other sculpins	13	17	2	14	0	< 1	2
Eelpout unident.	0	0	0	0	0	0	< 1
Other fish	< 1	< 1	2	< 1	0	0	< 1
Bairdi tanner crab	0	0	0	0	0	< 1	0
Golden king crab	3	3	1	0	0	0	3
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	0	0	0	0	0	0
Magistrate armhook squid	< 1	< 1	< 1	0	0	2	3
Sponge	12	36	5	2	< 1	< 1	< 1
Starfish	< 1	< 1	< 1	< 1	< 1	0	0
Soft coral	0	< 1	0	< 1	0	0	0
Stony coral unident.	< 1	< 1	1	< 1	< 1	< 1	< 1
Octopus	0	< 1	0	0	0	0	0
Snail	< 1	< 1	< 1	0	0	0	0
Other invertebrate	5	6	3	2	< 1	0	< 1
Total catch (kg)	168	137	522	871	132	141	152

## Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	57	58	59	60	61	62	63
Start date & time	06/01/00 14	06/01/00 16	06/02/00 07	06/02/00 10	06/02/00 12	06/02/00 14	06/02/00 18
Start latitude	N 5214.55	N 5216.17	N 5212.09	N 5217.65	N 5224.84	N 5227.99	N 5229.78
Start longitude	W 17323.44	W 17339.80	W 17352.94	W 17357.54	W 17350.02	W 17335.43	W 17331.36
End latitude	N 5213.87	N 5215.42	N 5212.11	N 5216.98	N 5224.80	N 5228.38	N 5230.17
End longitude	W 17324.15	W 17340.31	W 17354.23	W 17358.34	W 17348.71	W 17334.26	W 17330.16
Gear depth (m)	103	134	164	71	123	192	202
Duration (minutes)	16.8	16.8	16.8	16.8	16.8	16.2	16.8
Distance fished (km)	1.552	1.539	1.486	1.595	1.501	1.555	1.583
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	4	10	27	71	4	0
Walleye pollock	< 1	0	149	20	93	1	0
Pacific ocean perch	< 1	0	0	0	0	285	96
Northern rockfish	0	0	0	0	0	970	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	0	4	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	5	0
Other rockfish	0	0	0	0	0	1	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	6	30	19	141	18	6	4
Pacific halibut	4	94	19	1	16	0	0
Northern rock sole	0	5	0	106	3	< 1	0
Southern rock sole	0	0	0	6	0	0	0
Kamchatka flounder	2	9	14	4	< 1	< 1	0
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	6	58	5	0	< 1	0
Rex sole	< 1	11	7	0	0	0	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	8	< 1	0	0	6	< 1	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	< 1	0	0	0
Other sculpins	< 1	0	< 1	8	1	2	1
Eelpout unident.	0	0	0	0	0	0	0
Other fish	< 1	0	0	< 1	< 1	37	< 1
Bairdi tanner crab	0	0	1	< 1	0	0	0
Golden king crab	0	0	0	0	0	23	4
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	< 1	0	< 1
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	< 1	0	0	< 1	0	0
Magistrate armhook squid	< 1	0	0	0	0	0	0
Sponge	2	< 1	0	< 1	< 1	297	575
Starfish	< 1	< 1	2	< 1	< 1	3	30
Soft coral	< 1	0	0	0	< 1	< 1	< 1
Stony coral unident.	0	0	0	0	0	4	4
Octopus	0	9	0	0	0	1	< 1
Snail	< 1	0	0	< 1	1	< 1	0
Other invertebrate	< 1	< 1	< 1	2	1	4	52
Total catch (kg)	24	169	279	320	212	1651	767

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	64	65	66	67	68	69	70
Start date & time	06/03/00 13	06/03/00 16	06/04/00 07	06/04/00 10	06/04/00 12	06/04/00 15	06/05/00 07
Start latitude	N 5214.97	N 5216.49	N 5229.43	N 5219.69	N 5215.75	N 5207.63	N 5231.12
Start longitude	W 17307.50	W 17256.15	W 17233.11	W 17244.81	W 17252.83	W 17228.46	W 17215.92
End latitude	N 5215.12	N 5216.77	N 5229.12	N 5220.53	N 5215.46	N 5207.94	N 5230.31
End longitude	W 17308.80	W 17254.85	W 17234.35	W 17244.84	W 17251.53	W 17227.67	W 17215.87
Gear depth (m)	129	291	392	444	159	156	215
Duration (minutes)	16.8	16.2	18.6	16.8	16.8	16.2	16.8
Distance fished (km)	1.53	1.63	1.57	1.581	1.594	1.106	1.536
Performance	0	0	0	0	0	5	0
Atka mackerel	0	0	6	0	1	0	0
Pacific cod	0	3	0	0	55	0	148
Walleye pollock	1	58	3	3	0	0	7
Pacific ocean perch	0	1139	0	0	0	5	11
Northern rockfish	0	< 1	0	0	0	0	1
Shortraker rockfish	0	0	13	7	0	0	0
Rougheye rockfish	0	0	3	11	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	51	0	0	0
Arrowtooth flounder	12	37	3	10	0	0	0
Pacific halibut	3	0	0	18	163	57	0
Northern rock sole	2	< 1	0	0	35	0	< 1
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	1	3	25	15	0	0	0
Greenland turbot	0	0	51	408	0	0	0
Flathead sole	0	2	0	0	0	0	0
Rex sole	0	3	0	0	0	0	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	0	7	106	117	0	15
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	0	8	1	0
Other sculpins	< 1	9	4	< 1	59	< 1	3
Eelpout unident.	0	0	0	< 1	0	0	0
Other fish	< 1	< 1	3424	< 1	0	< 1	< 1
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	2	7	0	0	13
Red king crab	0	0	0	0	0	0	0
Northern shrimp	< 1	< 1	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	< 1	0	0	< 1	0	0
Magistrate armhook squid	0	0	2	6	< 1	< 1	0
Sponge	1	< 1	< 1	< 1	< 1	97	96
Starfish	< 1	< 1	< 1	< 1	< 1	< 1	1
Soft coral	0	< 1	2	< 1	< 1	< 1	14
Stony coral unident.	< 1	< 1	< 1	0	0	< 1	5
Octopus	9	0	0	0	0	0	< 1
Snail	0	0	0	< 1	< 1	0	< 1
Other invertebrate	< 1	< 1	< 1	2	2	3	17
Total catch (kg)	31	1256	3548	645	443	164	333

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	71	72	73	74	75	76	77
Start date & time	06/05/00 09	06/05/00 12	06/05/00 15	06/05/00 18	06/11/00 07	06/11/00 09	06/11/00 12
Start latitude	N 5231.74	N 5232.66	N 5233.85	N 5238.15	N 5252.28	N 5248.89	N 5238.50
Start longitude	W 17206.00	W 17220.47	W 17224.49	W 17222.62	W 17119.34	W 17131.30	W 17134.88
End latitude	N 5231.58	N 5232.09	N 5233.70	N 5238.00	N 5252.51	N 5249.39	N 5237.68
End longitude	W 17204.95	W 17219.35	W 17223.24	W 17223.96	W 17118.05	W 17130.29	W 17134.25
Gear depth (m)	355	196	199	425	200	195	454
Duration (minutes)	13.2	17.4	18.6	16.8	15.6	16.2	22.8
Distance fished (km)	1.256	1.747	1.457	1.631	1.561	1.506	1.811
Performance	1.12	3.13	0	0	0	0	0
Atka mackerel	< 1	0	0	0	0	0	0
Pacific cod	0	76	29	0	18	46	0
Walleye pollock	0	5	4	2	0	0	2
Pacific ocean perch	3	746	8	0	0	0	3
Northern rockfish	0	349	0	0	0	0	0
Shortraker rockfish	82	0	0	0	0	0	0
Rougheye rockfish	9	4	0	1	0	0	4
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	3	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	2	0	0	8
Arrowtooth flounder	< 1	0	1	5	68	58	24
Pacific halibut	0	25	4	0	46	5	39
Northern rock sole	0	< 1	< 1	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	159	0	< 1	63	0	0	9
Greenland turbot	3	0	0	31	0	0	3
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	0	0	8	0	0	0
Dover sole	0	0	0	4	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	17	34	0	< 1	18	0	4
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	0	0	0	0
Other sculpins	1	< 1	1	< 1	5	< 1	0
Eelpout unident.	0	0	0	0	0	0	1
Other fish	14,935	14	0	157	< 1	1	4
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	3	< 1	4	0	3	2	1
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	< 1	0	0	< 1	0	0	1
Sponge	4	102	158	3	75	40	12
Starfish	< 1	< 1	2	< 1	< 1	< 1	< 1
Soft coral	< 1	< 1	< 1	< 1	< 1	< 1	0
Stony coral unident.	1	1	< 1	< 1	< 1	< 1	0
Octopus	0	0	< 1	0	< 1	< 1	0
Snail	0	< 1	0	0	< 1	< 1	0
Other invertebrate	< 1	24	20	5	< 1	< 1	< 1
Total catch (kg)	15,221	1,386	233	283	236	155	114

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	78	79	80	81	82	83	84
Start date & time	06/11/00 17	06/11/00 20	06/12/00 10	06/12/00 14	06/12/00 19	06/13/00 07	06/13/00 09
Start latitude	N 5203.62	N 5214.91	N 5202.31	N 5158.08	N 5157.55	N 5157.89	N 5159.76
Start longitude	W 17148.21	W 17141.88	W 17215.42	W 17236.87	W 17338.94	W 17417.03	W 17406.26
End latitude	N 5204.26	N 5214.01	N 5201.69	N 5157.83	N 5157.64	N 5157.85	N 5159.06
End longitude	W 17147.91	W 17142.49	W 17214.61	W 17238.12	W 17337.72	W 17415.73	W 17405.48
Gear depth (m)	324	406	166	198	92	102	85
Duration (minutes)	15	21.6	16.2	16.8	15.6	16.2	17.4
Distance fished (km)	1.355	1.887	1.542	1.533	1.428	1.506	1.624
Performance	-2.4	0	0	0	0	0	0
Atka mackerel	0	0	0	0	< 1	< 1	0
Pacific cod	10	0	7	20	11	3	3
Walleye pollock	7	0	< 1	0	0	< 1	0
Pacific ocean perch	24	6	35	111	0	0	0
Northern rockfish	0	0	1	0	0	0	0
Shortraker rockfish	3	89	0	0	0	0	0
Rougheye rockfish	38	28	0	0	0	0	0
Shortspine thornyhead	0	< 1	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	3	0	0	0	0	0
Arrowtooth flounder	10	14	0	0	< 1	6	3
Pacific halibut	0	31	12	24	13	7	44
Northern rock sole	0	0	3	3	2	17	8
Southern rock sole	0	0	0	0	0	0	2
Kamchatka flounder	0	18	0	0	0	0	0
Greenland turbot	0	59	0	0	0	0	0
Flathead sole	0	0	0	0	0	1	< 1
Rex sole	0	0	0	0	0	0	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	< 1	29	6	31	0	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	1	2	0	2	0
Other sculpins	8	14	< 1	< 1	0	< 1	0
Eelpout unident.	0	< 1	0	0	0	0	0
Other fish	0	2848	4	< 1	0	0	0
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	5	< 1	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	< 1
Magistrate armhook squid	3	< 1	0	0	0	0	0
Sponge	79	< 1	10	54	< 1	0	0
Starfish	< 1	< 1	< 1	< 1	0	< 1	0
Soft coral	6	< 1	< 1	< 1	0	0	0
Stony coral unident.	1	< 1	< 1	< 1	< 1	0	0
Octopus	0	0	0	0	0	0	0
Snail	< 1	< 1	0	0	0	0	0
Other invertebrate	8	< 1	1	8	1	< 1	< 1
Total catch (kg)	202	3143	83	255	28	38	61



Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	85	86	87	88	89	90	91
Start date & time	06/13/00 11	06/13/00 14	06/13/00 18	06/14/00 07	06/14/00 09	06/14/00 12	06/14/00 14
Start latitude	N 5154.65	N 5153.39	N 5207.98	N 5150.68	N 5151.99	N 5152.61	N 5152.55
Start longitude	W 17347.42	W 17317.96	W 17227.61	W 17355.76	W 17404.06	W 17433.56	W 17433.59
End latitude	N 5154.64	N 5153.39	N 5208.34	N 5150.68	N 5151.70	N 5152.47	N 5152.34
End longitude	W 17348.70	W 17317.96	W 17226.45	W 17354.52	W 17402.91	W 17432.30	W 17432.38
Gear depth (m)	116	349	158	257	139	137	139
Duration (minutes)	15.6	18.6	16.2	16.8	16.2	15.6	16.2
Distance fished (km)	1.463	NA	1.508	1.45	1.548	1.491	1.461
Performance	0	-1	0	0	0	3.13	0
Atka mackerel	0	0	< 1	0	0	0	0
Pacific cod	0	0	11	30	103	55	0
Walleye pollock	< 1	0	0	5	3	3	2
Pacific ocean perch	< 1	0	140	402	56	21	0
Northern rockfish	0	0	1	0	0	7	0
Shortraker rockfish	0	0	0	12	2	0	0
Rougheye rockfish	0	8	2	10	0	0	0
Shortspine thornyhead	0	0	0	2	0	0	0
Light dusky rockfish	0	0	0	0	0	2	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	0	0	0	8	0	2	2
Pacific halibut	28	0	159	0	11	5	19
Northern rock sole	< 1	0	0	0	< 1	7	6
Southern rock sole	3	0	0	0	0	0	0
Kamchatka flounder	0	0	0	0	0	< 1	0
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	0	0	< 1	0	< 1	< 1
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	11	46	0	0	0	12
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	1	0	0	0	1	3	2
Other sculpins	0	0	2	25	< 1	0	0
Eelpout unident.	0	0	0	0	0	0	0
Other fish	0	0	< 1	< 1	< 1	< 1	< 1
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	< 1	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	0	0	0	0	6	2
Magistrate armhook squid	0	0	0	1	< 1	< 1	0
Sponge	2	7	118	5	82	22	6
Starfish	0	0	< 1	< 1	< 1	1	< 1
Soft coral	0	< 1	< 1	< 1	0	0	0
Stony coral unident.	< 1	< 1	2	1	3	1	1
Octopus	0	0	< 1	0	4	0	7
Snail	< 1	0	0	< 1	< 1	< 1	< 1
Other invertebrate	7	1	6	< 1	6	7	1
Total catch (kg)	43	27	488	503	273	143	61

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	92	93	94	95	96	97	98
Start date & time	06/14/00 15	06/14/00 18	06/15/00 14	06/15/00 18	06/16/00 07	06/16/00 09	06/16/00 11
Start latitude	N 5150.61	N 5151.04	N 5158.58	N 5206.59	N 5215.010	N 5216.82	N 5212.87
Start longitude	W 17436.11	W 17505.58	W 17630.86	W 17553.81	W 17448.07	W 17442.24	W 17455.78
End latitude	N 5150.62	N 5151.05	N 5157.85	N 5206.00	N 5214.67	N 5216.53	N 5212.56
End longitude	W 17434.81	W 17504.26	W 17630.05	W 17554.12	W 17449.13	W 17443.39	W 17457.14
Gear depth (m)	180	169	169	81	133	116	212
Duration (minutes)	16.8	16.2	17.4	16.2	16.2	16.2	18
Distance fished (km)	1.507	1.526	1.69	1.207	1.476	1.433	1.705
Performance	0	0	0	1	-2.2	0	5.1
Atka mackerel	0	0	0	< 1	0	0	0
Pacific cod	2	6	0	80	106	0	78
Walleye pollock	2	< 1	0	0	0	0	0
Pacific ocean perch	605	1	0	< 1	0	0	0
Northern rockfish	0	0	0	< 1	0	0	0
Shortraker rockfish	0	0	0	0	0	0	6
Rougheye rockfish	0	0	0	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	107	26	7	< 1	9	4	384
Pacific halibut	14	0	31	0	15	6	0
Northern rock sole	7	22	10	6	9	18	< 1
Southern rock sole	0	0	1	0	0	0	0
Kamchatka flounder	5	0	< 1	0	< 1	0	56
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	< 1	< 1	1
Rex sole	< 1	0	< 1	0	0	0	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	0	0	0	0	6	5
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	6	< 1	0	0
Other sculpins	0	0	0	< 1	< 1	< 1	0
Eelpout unident.	0	0	0	0	0	0	0
Other fish	0	0	0	< 1	0	< 1	< 1
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	0	< 1	1	< 1	< 1	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	1	< 1	< 1	34	4	< 1	0
Starfish	< 1	< 1	0	2	< 1	0	0
Soft coral	0	0	0	< 1	0	0	0
Stony coral unident.	< 1	< 1	0	5	< 1	0	0
Octopus	8	0	0	0	0	0	0
Snail	0	0	0	< 1	< 1	< 1	0
Other invertebrate	< 1	< 1	5	5	2	< 1	< 1
Total catch (kg)	752	56	55	142	149	35	532

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	99	100	101	102	103	104	105
Start date & time	06/16/00 14	06/16/00 15	06/16/00 17	06/16/00 20	06/17/00 07	06/17/00 09	06/17/00 11
Start latitude	N 5208.52	N 5208.52	N 5209.33	N 5209.22	N 5157.41	N 5153.12	N 5150.52
Start longitude	W 17517.10	W 17517.21	W 17537.63	W 17524.66	W 17516.57	W 17511.90	W 17535.71
End latitude	N 5208.33	N 5208.22	N 5210.010	N 5209.29	N 5157.29	N 5153.01	N 5150.60
End longitude	W 17518.34	W 17518.40	W 17537.54	W 17525.88	W 17515.26	W 17513.42	W 17534.41
Gear depth (m)	208	209	200	139	84	147	148
Duration (minutes)	15.6	15.6	16.2	15.6	16.2	18.6	16.2
Distance fished (km)	1.475	1.504	1.601	1.442	1.532	1.767	1.517
Performance	3.13	0	0	0	6.1	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	98	247	9	35	0	9	0
Walleye pollock	< 1	< 1	< 1	0	0	< 1	0
Pacific ocean perch	558	398	0	11	0	0	0
Northern rockfish	< 1	< 1	0	18	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	< 1	0	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	15	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	27	16	100	5	0	13	3
Pacific halibut	0	0	113	68	6	2	14
Northern rock sole	68	18	0	12	18	3	13
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	2	0	15	< 1	0	1	0
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	< 1	0	0	0	0
Rex sole	0	0	< 1	0	0	0	< 1
Dover sole	3	2	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	0	< 1	14	< 1	15	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	41	3	4	4
Other sculpins	2	3	< 1	0	0	< 1	0
Eelpout unident.	0	0	0	0	0	0	0
Other fish	< 1	6	0	0	0	< 1	0
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	< 1	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	< 1	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	0	< 1	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	26	20	3	< 1	9	< 1	< 1
Starfish	< 1	< 1	< 1	< 1	0	< 1	0
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	< 1	0	< 1	0	< 1	0	0
Octopus	0	0	0	0	0	0	0
Snail	< 1	< 1	0	< 1	0	0	0
Other invertebrate	16	16	< 1	3	< 1	1	< 1
Total catch (kg)	803	727	243	222	35	50	33

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	106	107	108	109	110	111	112
Start date & time	06/17/00 12	06/17/00 16	06/17/00 18	06/18/00 12	06/18/00 14	06/18/00 18	06/19/00 07
Start latitude	N 5150.46	N 5135.73	N 5139.24	N 5136.30	N 5133.51	N 5136.04	N 5146.36
Start longitude	W 17543.26	W 17620.65	W 17622.22	W 17636.15	W 17645.54	W 17712.85	W 17729.44
End latitude	N 5150.46	N 5135.86	N 5139.49	N 5136.66	N 5133.77	N 5135.74	N 5146.66
End longitude	W 17541.95	W 17619.55	W 17621.05	W 17635.08	W 17644.32	W 17714.02	W 17728.19
Gear depth (m)	136	347	145	143	168	196	72
Duration (minutes)	15.6	14.4	16.2	16.2	16.8	16.8	16.8
Distance fished (km)	1.515	1.314	1.469	1.43	1.51	1.497	1.565
Performance	0	4	0	0	0	2.1	0
Atka mackerel	0	0	0	0	0	< 1	< 1
Pacific cod	0	0	0	0	42	0	0
Walleye pollock	< 1	5	3	2	0	0	0
Pacific ocean perch	0	35	< 1	7	< 1	4	0
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	33	0	0	0	0	0
Rougheye rockfish	0	18	0	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	10	0	0	0	0	0
Arrowtooth flounder	< 1	8	< 1	< 1	0	5	2
Pacific halibut	43	0	33	25	0	75	17
Northern rock sole	7	0	3	0	0	18	88
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	< 1	0	0	0	0	< 1	0
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	0	0	0	0	0	< 1
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	18	0	0	14	0	44	< 1
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	7	0	0	0	0	0	0
Other sculpins	< 1	< 1	0	0	< 1	< 1	< 1
Eelpout unident.	0	0	0	0	0	0	0
Other fish	< 1	0	< 1	< 1	0	< 1	0
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	0	0	< 1	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	< 1	0	0	0	0	0
Scallop unident.	0	0	< 1	0	0	< 1	< 1
Magistrate armhook squid	0	5	0	0	0	0	0
Sponge	< 1	3	3	1	2	92	1
Starfish	< 1	< 1	< 1	< 1	< 1	2	0
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	< 1	0	0	< 1	5	0
Octopus	0	0	0	0	0	0	0
Snail	0	0	0	0	0	< 1	< 1
Other invertebrate	< 1	< 1	< 1	< 1	< 1	6	1
Total catch (kg)	77	117	45	51	45	253	110

## Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	113	114	115	116	117	118	119
Start date & time	06/19/00 09	06/19/00 12	06/19/00 14	06/19/00 16	06/19/00 18	06/20/00 07	06/20/00 10
Start latitude	N 5149.43	N 5133.87	N 5134.08	N 5133.80	N 5137.43	N 5136.27	N 5125.20
Start longitude	W 17736.40	W 17736.04	W 17748.39	W 17802.17	W 17814.75	W 17805.19	W 17821.94
End latitude	N 5149.89	N 5133.58	N 5133.83	N 5133.39	N 5136.77	N 5136.29	N 5124.81
End longitude	W 17735.39	W 17737.18	W 17749.58	W 17801.06	W 17814.47	W 17803.86	W 17820.79
Gear depth (m)	41	359	213	207	122	85	389
Duration (minutes)	15	15.6	15.6	16.2	15.6	16.8	16.2
Distance fished (km)	1.462	1.469	1.48	1.565	1.356	1.548	1.546
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	1	12	202	0
Pacific cod	0	0	23	19	106	28	0
Walleye pollock	0	< 1	< 1	0	0	0	2
Pacific ocean perch	0	3	40	0	0	0	4
Northern rockfish	0	0	0	0	2009	0	0
Shortraker rockfish	0	159	0	0	0	0	285
Rougheye rockfish	0	104	< 1	0	0	0	28
Shortspine thornyhead	0	5	0	0	0	0	2
Light dusky rockfish	0	0	0	0	2	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	24	0	9	0	0	6
Arrowtooth flounder	0	10	64	258	3	0	20
Pacific halibut	5	0	6	11	4	< 1	0
Northern rock sole	26	0	9	46	0	14	0
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	0	3	4	0	0	6
Greenland turbot	0	0	0	0	0	0	15
Flathead sole	0	0	< 1	2	0	0	0
Rex sole	0	5	0	1	0	0	< 1
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	< 1	3	0	13	22	0	< 1
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	1	3	< 1	0	0
Other sculpins	0	< 1	4	< 1	0	0	0
Eelpout unident.	0	0	0	0	0	0	0
Other fish	0	23	0	0	3	0	0
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	0	0	0	1
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	< 1	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	< 1	0	0	0
Magistrate armhook squid	0	< 1	0	0	0	0	< 1
Sponge	< 1	0	6	1	9	< 1	0
Starfish	< 1	0	< 1	0	< 1	< 1	0
Soft coral	0	0	0	< 1	< 1	0	0
Stony coral unident.	< 1	0	0	0	0	< 1	< 1
Octopus	0	0	0	0	0	0	0
Snail	0	0	< 1	< 1	0	0	0
Other invertebrate	2	0	< 1	< 1	1	< 1	0
Total catch (kg)	34	336	158	369	2173	245	371

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	120	121	122	123	124	125	126
Start date & time	06/20/00 13	06/20/00 15	06/20/00 18	06/21/00 08	06/21/00 10	06/21/00 13	06/21/00 14
Start latitude	N 5127.56	N 5130.06	N 5112.15	N 5130.01	N 5137.010	N 5138.52	N 5138.69
Start longitude	W 17827.67	W 17839.76	W 17901.06	W 17839.31	W 17827.28	W 17831.11	W 17834.17
End latitude	N 5127.31	N 5129.97	N 5112.79	N 5129.87	N 5136.72	N 5138.64	N 5138.66
End longitude	W 17826.41	W 17838.62	W 17900.38	W 17838.11	W 17826.28	W 17829.84	W 17835.43
Gear depth (m)	278	233	165	232	147	190	111
Duration (minutes)	15.6	15.6	15.6	15.6	15.6	16.2	15.6
Distance fished (km)	1.557	1.353	1.479	1.456	1.385	1.547	1.499
Performance	0	-5.1	0	5.1	0	0	0
Atka mackerel	< 1	0	5292	0	15737	16	2860
Pacific cod	6	0	0	0	169	159	12
Walleye pollock	17	0	0	0	0	0	0
Pacific ocean perch	1,652	8	3	0	0	0	0
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	10	0	0	0	0	0	0
Rougheye rockfish	12	0	0	0	0	0	0
Shortspine thornyhead	< 1	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	4	74	0	0	0	0	0
Arrowtooth flounder	57	91	4	22	3	26	< 1
Pacific halibut	9	33	0	0	9	44	13
Northern rock sole	< 1	12	8	0	0	74	10
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	3	3	< 1	2	5	0	< 1
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	1	0	< 1	0	0	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	< 1	0	0	0	2	12	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	1	0	< 1	10	24	4
Other sculpins	3	< 1	0	< 1	0	0	0
Eelpout unident.	0	0	0	0	0	0	0
Other fish	0	0	0	0	0	< 1	0
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	2	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	< 1	< 1	< 1
Magistrate armhook squid	0	0	0	0	0	< 1	0
Sponge	4	< 1	0	0	4	2	< 1
Starfish	< 1	< 1	0	0	< 1	2	< 1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	< 1	< 1	0	0	< 1	0	0
Octopus	0	0	0	0	0	0	0
Snail	< 1	0	0	0	0	< 1	0
Other invertebrate	< 1	< 1	0	< 1	< 1	< 1	< 1
Total catch (kg)	1,782	226	5,308	24	15,940	361	2,900

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	127	128	129	130	131	132	133
Start date & time	06/21/00 16	06/21/00 17	06/22/00 08	06/22/00 10	06/22/00 12	06/22/00 15	06/22/00 18
Start latitude	N 5137.83	N 5136.34	N 5222.63	N 5222.47	N 5225.89	N 5227.55	N 5222.61
Start longitude	W 17834.12	W 17851.67	W 17941.12	W 17955.56	E 17956.42	E 17948.99	E 17938.83
End latitude	N 5137.84	N 5136.53	N 5222.13	N 5221.82	N 5226.38	N 5227.48	N 5221.92
End longitude	W 17835.65	W 17850.51	W 17942.13	W 17954.68	E 17955.44	E 17948.02	E 17938.26
Gear depth (m)	76	244	205	166	164	213	245
Duration (minutes)	18.6	15.6	15.6	16.8	16.2	12	16.2
Distance fished (km)	1.818	1.403	1.532	1.614	1.474	1.128	1.484
Performance	0	0	0	0	0	4.5	0
Atka mackerel	3	7	5	0	0	0	0
Pacific cod	60	78	4	0	0	0	0
Walleye pollock	0	0	2	100	5	0	< 1
Pacific ocean perch	0	84	1172	26	18	208	623
Northern rockfish	0	0	0	0	8	3	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	13	0	0	0	52	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	0	219	6	24	36	0	7
Pacific halibut	11	0	0	15	22	0	0
Northern rock sole	186	18	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	5	0	< 1	2	0	1
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	1	0	0	0	0	0
Dover sole	0	0	0	< 1	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	< 1	0	0
Skate unident.	7	9	0	12	16	0	< 1
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	7	2	0	0	0	0	0
Other sculpins	0	0	8	3	2	1	6
Eelpout unident.	0	0	0	0	0	0	0
Other fish	1	< 1	< 1	2	< 1	< 1	1
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	1	3	0	2	0	0
Red king crab	0	0	0	19	0	0	0
Northern shrimp	0	0	< 1	< 1	< 1	0	1
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	< 1	0	< 1	< 1	0	< 1
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	40	223	71	15	82	2053	4
Starfish	0	1	< 1	< 1	1	< 1	< 1
Soft coral	2	4	0	0	0	0	0
Stony coral unident.	< 1	31	< 1	0	< 1	0	0
Octopus	0	< 1	0	0	4	10	0
Snail	< 1	< 1	< 1	< 1	< 1	0	< 1
Other invertebrate	8	16	5	< 1	2	14	6
Total catch (kg)	325	715	1278	219	203	2342	651

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	134	135	136	137	138	139	140
Start date & time	06/23/00 08	06/23/00 10	06/23/00 13	06/23/00 19	06/24/00 08	06/24/00 10	06/24/00 11
Start latitude	N 5203.34	N 5212.78	N 5209.14	N 5202.36	N 5145.95	N 5146.90	N 5147.55
Start longitude	W 17948.31	W 17957.07	E 17928.91	E 17830.97	E 17721.31	E 17729.11	E 17741.50
End latitude	N 5202.82	N 5211.97	N 5209.86	N 5202.41	N 5145.64	N 5146.52	N 5147.86
End longitude	W 17949.34	W 17956.75	E 17929.28	E 17829.71	E 17720.05	E 17728.15	E 17740.35
Gear depth (m)	242	90	242	366	147	254	154
Duration (minutes)	16.2	16.2	15.6	15.6	16.2	13.8	15.6
Distance fished (km)	1.575	1.682	1.443	1.519	1.329	1.346	1.464
Performance	0	0	0	0	0	0	0
Atka mackerel	0	20	3	0	0	0	0
Pacific cod	0	5	0	0	16	3	48
Walleye pollock	27	< 1	0	2	97	109	0
Pacific ocean perch	558	5	0	3	0	50	1
Northern rockfish	0	0	0	0	2	0	0
Shortraker rockfish	0	0	0	33	0	0	0
Rougheye rockfish	0	0	0	44	0	0	0
Shortspine thornyhead	0	0	0	47	0	10	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	33	< 1	31	8	2	12	17
Pacific halibut	0	0	0	0	0	0	0
Northern rock sole	4	351	16	0	18	8	78
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	8	< 1	0	25	3	5	2
Greenland turbot	8	0	0	10	0	0	0
Flathead sole	0	0	0	0	0	0	< 1
Rex sole	12	< 1	0	3	0	4	0
Dover sole	3	0	< 1	0	0	< 1	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	26	< 1	0	3	15	16	< 1
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	9	0	0	< 1	0	< 1
Other sculpins	53	6	12	< 1	3	8	< 1
Eelpout unident.	0	0	0	< 1	0	< 1	0
Other fish	< 1	< 1	< 1	< 1	2	1	< 1
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	3	0	4	< 1	0	< 1	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	< 1	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	< 1	0	0	0	0	0
Magistrate armhook squid	0	0	0	< 1	< 1	0	0
Sponge	3	251	4	< 1	1	5	< 1
Starfish	< 1	< 1	2	< 1	< 1	< 1	< 1
Soft coral	0	< 1	0	0	0	0	0
Stony coral unident.	0	0	0	< 1	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	< 1	< 1	< 1	< 1	< 1	0	< 1
Other invertebrate	< 1	9	2	< 1	< 1	< 1	< 1
Total catch (kg)	740	658	76	181	161	233	150



Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	141	142	143	144	145	146	147
Start date & time	06/24/00 13	06/24/00 15	06/24/00 18	06/26/00 08	06/26/00 10	06/26/00 13	06/27/00 08
Start latitude	N 5151.90	N 5145.08	N 5143.23	N 5201.38	N 5206.09	N 5204.18	N 5202.99
Start longitude	E 17746.15	E 17751.54	E 17755.48	E 17745.50	E 17742.43	E 17714.78	E 17723.87
End latitude	N 5151.99	N 5145.28	N 5143.47	N 5201.58	N 5205.32	N 5204.37	N 5202.21
End longitude	E 17744.84	E 17750.26	E 17754.31	E 17744.31	E 17742.73	E 17715.89	E 17723.74
Gear depth (m)	101	151	238	190	82	86	131
Duration (minutes)	16.2	15.6	16.2	15.6	16.8	16.2	16.2
Distance fished (km)	1.53	1.541	1.449	1.43	1.533	1.359	1.485
Performance	-2.4	0	0	0	0	5.3	0
Atka mackerel	4	3332	0	0	0	1084	0
Pacific cod	32	67	0	20	0	298	11
Walleye pollock	0	337	357	1	0	< 1	0
Pacific ocean perch	0	0	26	0	0	2	< 1
Northern rockfish	73	1106	0	0	0	1620	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	2	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	4	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	3	4	7	0	0	0	3
Pacific halibut	19	0	0	0	11	0	0
Northern rock sole	33	59	5	0	15	0	< 1
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	< 1	< 1	3	< 1	0	0	0
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	< 1	0	0	0	0
Rex sole	0	< 1	73	0	0	0	0
Dover sole	0	0	< 1	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	0	< 1	0	14	22	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	< 1	0	0	0	0	5	0
Other sculpins	0	0	< 1	< 1	0	< 1	< 1
Eelpout unident.	0	0	0	0	0	0	0
Other fish	0	3	< 1	< 1	< 1	30	0
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	5	0	0	0
Northern shrimp	0	0	0	< 1	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	2	0	< 1	< 1
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	42	0	0	1	0	247	< 1
Starfish	< 1	< 1	0	< 1	< 1	2	< 1
Soft coral	0	0	0	0	0	< 1	0
Stony coral unident.	< 1	1	0	0	0	98	0
Octopus	0	0	1	0	0	0	0
Snail	0	0	0	0	0	< 1	< 1
Other invertebrate	4	< 1	0	< 1	< 1	84	< 1
Total catch (kg)	212	4910	477	31	41	3496	16

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	148	149	150	151	152	153	154
Start date & time	06/27/00 09	06/27/00 19	06/28/00 08	06/28/00 11	06/28/00 13	06/29/00 08	06/29/00 10
Start latitude	N 5204.80	N 5149.33	N 5200.93	N 5200.76	N 5155.45	N 5203.41	N 5204.85
Start longitude	E 17718.56	E 17740.74	E 17749.55	E 17759.17	E 17814.99	E 17818.58	E 17806.68
End latitude	N 5204.11	N 5149.09	N 5200.16	N 5200.13	N 5155.89	N 5203.76	N 5204.85
End longitude	E 17719.16	E 17741.74	E 17749.73	E 17758.41	E 17814.23	E 17817.49	E 17806.53
Gear depth (m)	164	126	105	324	232	335	448
Duration (minutes)	15.6	13.8	16.2	16.2	12.6	16.2	13.2
Distance fished (km)	1.536	1.279	1.47	1.585	1.215	1.539	0.458
Performance	0	1.12	0	0	0	0	-1
Atka mackerel	8	0	0	0	0	0	0
Pacific cod	200	28	50	30	63	0	0
Walleye pollock	7	0	0	13	658	8	0
Pacific ocean perch	1,724	100	0	15	12,851	2	0
Northern rockfish	7	734	0	0	2	0	0
Shortraker rockfish	0	0	0	2	23	0	0
Rougheye rockfish	5	0	0	277	191	30	0
Shortspine thornyhead	0	0	0	0	0	2	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	2	0	0	0
Arrowtooth flounder	10	2	0	0	52	2	0
Pacific halibut	20	12	12	0	56	0	0
Northern rock sole	< 1	32	17	< 1	38	< 1	0
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	< 1	0	15	2	< 1	0
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	< 1	0	0	0	0	0
Rex sole	0	0	0	20	0	7	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	12	< 1	0	2	0	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	1	5	0	0	0	0
Other sculpins	1	< 1	< 1	< 1	1	1	0
Eelpout unident.	0	0	0	3	0	0	0
Other fish	8	1	2	< 1	< 1	3	0
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	0	5	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	< 1	< 1	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	< 1	< 1	< 1	0	0	0
Magistrate armhook squid	0	0	0	< 1	0	< 1	0
Sponge	34	39	32	< 1	< 1	< 1	0
Starfish	1	< 1	1	1	< 1	0	0
Soft coral	0	0	0	< 1	< 1	0	0
Stony coral unident.	< 1	< 1	1	< 1	1	0	0
Octopus	0	0	2	0	0	0	0
Snail	< 1	< 1	< 1	0	0	0	0
Other invertebrate	5	5	4	< 1	< 1	1	0
Total catch (kg)	2,041	960	128	384	13,945	59	0

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	155	156	157	158	159	160	161
Start date & time	06/29/00 11	06/29/00 13	06/29/00 15	06/29/00 17	06/30/00 08	06/30/00 10	06/30/00 11
Start latitude	N 5204.81	N 5159.02	N 5151.38	N 5154.03	N 5144.15	N 5146.73	N 5140.04
Start longitude	E 17807.04	E 17812.51	E 17816.36	E 17816.36	E 17800.28	E 17808.03	E 17820.21
End latitude	N 5204.93	N 5158.44	N 5151.78	N 5153.77	N 5144.48	N 5146.70	N 5140.27
End longitude	E 17808.21	E 17813.41	E 17815.31	E 17815.23	E 17759.06	E 17806.77	E 17819.04
Gear depth (m)	464	84	85	203	141	85	140
Duration (minutes)	16.2	16.8	16.2	15	16.8	16.8	16.2
Distance fished (km)	1.385	1.56	1.454	1.412	1.578	1.454	1.431
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	1456	0	0	0	0
Pacific cod	0	0	0	495	50	75	23
Walleye pollock	0	0	< 1	366	2	0	< 1
Pacific ocean perch	0	0	0	753	0	0	0
Northern rockfish	0	0	0	< 1	75	0	10
Shortraker rockfish	29	0	0	15	0	0	0
Rougheye rockfish	6	0	0	40	2	0	0
Shortspine thornyhead	40	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	1	0	0	144	2	< 1	5
Pacific halibut	0	14	12	10	0	< 1	28
Northern rock sole	0	20	10	132	108	27	236
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	34	0	< 1	< 1	< 1	0	0
Greenland turbot	21	0	0	0	0	0	0
Flathead sole	0	0	0	0	< 1	< 1	0
Rex sole	0	0	0	< 1	< 1	0	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	19	21	14	7	0	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	< 1	0	0	0	10
Other sculpins	0	< 1	< 1	< 1	< 1	0	< 1
Eelpout unident.	< 1	0	0	0	0	0	0
Other fish	992	0	< 1	0	4	0	3
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	< 1	0	0	< 1	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	< 1	0	0	0	1
Magistrate armhook squid	0	0	< 1	< 1	0	0	0
Sponge	2	0	9	< 1	7	< 1	1
Starfish	0	0	2	< 1	< 1	< 1	< 1
Soft coral	0	0	0	0	< 1	0	0
Stony coral unident.	0	< 1	0	< 1	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	0	0	1	0	< 1	0	< 1
Other invertebrate	< 1	< 1	22	< 1	1	< 1	5
Total catch (kg)	1,146	56	1,528	1,967	251	103	323

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	162	163	164	165	166	167	168
Start date & time	06/30/00 13	06/30/00 15	06/30/00 17	06/30/00 19	07/01/00 08	07/01/00 10	07/01/00 12
Start latitude	N 5136.75	N 5139.15	N 5129.28	N 5125.71	N 5126.02	N 5121.59	N 5114.93
Start longitude	E 17825.34	E 17819.63	E 17838.06	E 17849.90	E 17848.95	E 17854.92	E 17910.82
End latitude	N 5137.24	N 5138.93	N 5129.69	N 5126.11	N 5125.65	N 5121.93	N 5114.78
End longitude	E 17824.72	E 17820.86	E 17837.00	E 17848.66	E 17850.11	E 17853.84	E 17909.39
Gear depth (m)	171	205	210	209	210	170	199
Duration (minutes)	15.6	15.6	15.6	16.8	16.2	15.6	16.2
Distance fished (km)	1.402	1.509	1.502	1.67	1.538	1.449	1.704
Performance	1.1	0	0	-2.1	0	0	4.4
Atka mackerel	0	0	0	2	0	2346	324
Pacific cod	86	12	32	25	16	63	35
Walleye pollock	0	1	4	9	17	8	2542
Pacific ocean perch	54	0	719	919	438	7	8794
Northern rockfish	1	0	< 1	0	0	167	1
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	3	2	1	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	0	6
Other rockfish	0	0	< 1	0	0	0	< 1
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	0	35	9	14	1	0	33
Pacific halibut	0	0	0	0	0	0	0
Northern rock sole	3	67	1	< 1	0	0	7
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	< 1	16	6	< 1	0	0	7
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	6	< 1	0	0	0	2
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	15	0	11	< 1	20	16	6
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	5	< 1	0	0	0	0	0
Other sculpins	< 1	< 1	< 1	1	11	1	2
Eelpout unident.	0	0	0	0	0	0	0
Other fish	18	< 1	< 1	3	< 1	0	37
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	< 1	0	< 1	0	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	17	1	42	85	148	5	3
Starfish	1	< 1	< 1	< 1	< 1	< 1	< 1
Soft coral	0	0	0	0	0	< 1	0
Stony coral unident.	0	< 1	0	< 1	< 1	0	0
Octopus	0	0	0	2	0	0	2
Snail	< 1	< 1	< 1	< 1	< 1	0	0
Other invertebrate	4	3	2	3	5	< 1	< 1
Total catch (kg)	207	143	833	1067	659	2613	11801

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	169	170	171	173	174	175	176
Start date & time	07/01/00 17	07/01/00 19	07/05/00 09	07/05/00 13	07/05/00 18	07/05/00 21	07/06/00 08
Start latitude	N 5115.14	N 5117.51	N 5156.27	N 5154.33	N 5203.53	N 5205.24	N 5203.55
Start longitude	E 17914.92	E 17923.09	E 17645.19	E 17636.02	E 17623.72	E 17619.39	E 17623.71
End latitude	N 5115.19	N 5117.00	N 5156.29	N 5154.38	N 5203.25	N 5204.87	N 5203.20
End longitude	E 17915.54	E 17922.06	E 17646.46	E 17634.86	E 17624.62	E 17620.38	E 17624.83
Gear depth (m)	157	132	451	264	154	145	155
Duration (minutes)	11.4	15.6	16.8	14.4	15	15.6	15.6
Distance fished (km)	0.757	1.582	1.557	1.352	1.171	1.413	1.472
Performance	4.4	0	5.1	1.12	-5.1	-2.4	0
Atka mackerel	14,387	1,998	0	0	0	0	0
Pacific cod	97	1162	0	3	16	0	159
Walleye pollock	0	34	0	6	0	0	43
Pacific ocean perch	17	1001	0	767	91	0	1030
Northern rockfish	0	484	0	0	78	0	18
Shortraker rockfish	0	0	40	0	0	0	0
Rougheye rockfish	0	4	4	14	0	0	21
Shortspine thornyhead	0	0	23	11	0	0	0
Light dusky rockfish	0	122	0	0	0	0	< 1
Other rockfish	0	5	0	0	0	0	0
Sablefish	0	0	3	0	0	0	0
Arrowtooth flounder	0	6	5	< 1	0	0	0
Pacific halibut	0	0	0	0	24	0	11
Northern rock sole	2	40	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	0	0	0	0	0	0
Greenland turbot	0	0	6	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	0	4	0	0	0	0
Dover sole	0	0	12	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	38	0	< 1	< 1	0	< 1
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	5	0	0	0	0	0
Other sculpins	0	0	0	2	0	0	4
Eelpout unident.	0	0	< 1	0	0	0	0
Other fish	3	400	31	< 1	0	0	34
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	< 1
Magistrate armhook squid	0	0	< 1	0	0	0	0
Sponge	0	< 1	1	191	2	0	3
Starfish	0	< 1	0	< 1	< 1	0	< 1
Soft coral	0	0	0	< 1	0	0	0
Stony coral unident.	0	0	0	0	< 1	0	0
Octopus	< 1	0	0	1	0	0	0
Snail	0	< 1	0	< 1	0	0	< 1
Other invertebrate	0	7	< 1	6	< 1	0	1
<b>Total catch (kg)</b>	<b>14,507</b>	<b>5,306</b>	<b>131</b>	<b>1,001</b>	<b>212</b>	<b>0</b>	<b>1,325</b>

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	177	178	179	180	181	182	183
Start date & time	07/06/00 10	07/06/00 13	07/06/00 17	07/06/00 20	07/07/00 09	07/07/00 14	07/07/00 19
Start latitude	N 5204.53	N 5207.55	N 5207.86	N 5213.98	N 5216.02	N 5216.17	N 5215.15
Start longitude	E 17621.29	E 17615.29	E 17613.11	E 17601.56	E 17607.58	E 17559.38	E 17600.73
End latitude	N 5204.92	N 5207.23	N 5207.72	N 5213.60	N 5216.18	N 5216.50	N 5214.60
End longitude	E 17620.26	E 17616.27	E 17613.55	E 17602.39	E 17606.76	E 17558.82	E 17600.96
Gear depth (m)	149	123	229	144	217	138	138
Duration (minutes)	16.2	15	10.8	17.4	10.8	10.8	16.2
Distance fished (km)	1.417	1.303	0.622	1.226	1.045	0.911	1.027
Performance	0	-2.4	5.1	1.11	0	1.1	0
Atka mackerel	0	0	0	0	< 1	6	< 1
Pacific cod	106	0	3	146	59	169	177
Walleye pollock	0	0	48	0	476	0	1
Pacific ocean perch	167	0	728	333	3407	144	4
Northern rockfish	7	0	2	37	< 1	5754	23
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	4	0	0	0	38	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	0	0	0	0	0	0	0
Pacific halibut	0	0	0	0	0	0	0
Northern rock sole	0	0	0	0	2	0	0
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	0	0	0	32	0	0
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	0	0	0	0	0	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	< 1	0	0	0	96	0	16
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	< 1	0	0	0
Other sculpins	1	0	< 1	< 1	< 1	< 1	< 1
Eelpout unident.	0	0	0	0	0	0	0
Other fish	6	0	< 1	9	5	1	< 1
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	< 1	0	0	< 1	0	13	< 1
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	32	0	1	63	< 1	50	12
Starfish	1	0	< 1	< 1	0	2	< 1
Soft coral	0	0	0	< 1	< 1	< 1	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	0	0	0	1	0
Snail	< 1	0	0	< 1	0	0	0
Other invertebrate	4	0	2	3	0	3	< 1
Total catch (kg)	329	0	784	592	4118	6144	237

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	184	185	186	187	188	189	190
Start date & time	07/08/00 08	07/08/00 13	07/08/00 16	07/08/00 20	07/09/00 08	07/09/00 16	07/09/00 18
Start latitude	N 5142.95	N 5150.52	N 5201.96	N 5218.53	N 5218.38	N 5217.29	N 5210.37
Start longitude	E 17547.19	E 17551.13	E 17552.77	E 17548.17	E 17548.91	E 17520.90	E 17513.88
End latitude	N 5142.98	N 5150.80	N 5201.34	N 5217.94	N 5217.76	N 5217.09	N 5210.01
End longitude	E 17548.03	E 17551.85	E 17553.37	E 17548.73	E 17549.24	E 17522.14	E 17513.21
Gear depth (m)	85	77	146	247	235	243	215
Duration (minutes)	11.4	10.2	15.6	15	13.8	16.2	10.2
Distance fished (km)	0.993	0.977	1.433	1.354	1.252	1.502	1.05
Performance	0	0	0	-2.4	0	0	5.41
Atka mackerel	278	41	6	0	< 1	0	1
Pacific cod	4	0	0	0	10	0	0
Walleye pollock	0	< 1	111	0	58	2	0
Pacific ocean perch	26	< 1	2120	0	199	643	57
Northern rockfish	1,681	580	201	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	1	4	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	6	4	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	< 1	0	62	0	0	6	17
Pacific halibut	0	90	0	0	0	0	0
Northern rock sole	25	1	4	0	0	0	3
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	0	5	0	0	20	< 1
Greenland turbot	0	0	0	0	8	0	0
Flathead sole	1	0	10	0	0	0	0
Rex sole	16	1	21	0	0	0	< 1
Dover sole	0	0	< 1	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	25	0	0	0	< 1	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	12	4	0	0	0	0	0
Other sculpins	< 1	< 1	3	0	4	3	< 1
Eelpout unident.	0	0	0	0	0	0	0
Other fish	60	19	285	0	< 1	< 1	0
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	0	0	1	0
Red king crab	< 1	0	2	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	0	< 1
Sponge	16	155	5	0	1	67	0
Starfish	< 1	< 1	< 1	0	0	< 1	0
Soft coral	0	1	< 1	0	< 1	< 1	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	0	0	< 1	0	0	0	0
Other invertebrate	1	9	2	0	< 1	< 1	0
Total catch (kg)	2,152	906	2,839	0	283	748	80

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	191	192	193	194	195	196	197
Start date & time	07/10/00 08	07/10/00 13	07/10/00 18	07/11/00 08	07/11/00 10	07/12/00 06	07/12/00 11
Start latitude	N 5215.50	N 5208.85	N 5231.47	N 5229.56	N 5228.40	N 5230.95	N 5230.19
Start longitude	E 17507.36	E 17506.44	E 17427.64	E 17422.08	E 17421.52	E 17424.12	E 17415.22
End latitude	N 5215.75	N 5209.010	N 5231.010	N 5229.03	N 5228.92	N 5230.51	N 5230.27
End longitude	E 17508.23	E 17507.12	E 17426.35	E 17421.04	E 17422.54	E 17423.06	E 17413.73
Gear depth (m)	262	202	175	177	216	123	102
Duration (minutes)	12.6	10.8	19.2	18.6	17.4	15	18
Distance fished (km)	1.103	0.926	1.669	1.59	1.561	1.355	1.719
Performance	1.1	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	< 1	0
Pacific cod	0	0	13	65	11	0	< 1
Walleye pollock	1	< 1	0	0	< 1	< 1	2
Pacific ocean perch	6,105	0	0	0	0	0	0
Northern rockfish	0	0	0	0	< 1	< 1	< 1
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	< 1	0	0	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	12	4	18	56	194	16	2
Pacific halibut	0	0	16	27	0	0	0
Northern rock sole	0	< 1	3	2	1	22	39
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	9	1	2	3	4	4	< 1
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	< 1	2	31	< 1	0
Rex sole	0	0	3	0	44	1	0
Dover sole	0	0	0	0	< 1	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	0	23	< 1	0	< 1	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	0	0	0	< 1
Other sculpins	1	< 1	0	< 1	0	0	< 1
Eelpout unident.	0	0	0	0	0	0	0
Other fish	< 1	0	0	< 1	< 1	0	10
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	< 1	0	0	0	0	0	0
Sponge	22	1	0	< 1	0	0	< 1
Starfish	0	0	0	0	0	< 1	0
Soft coral	< 1	0	0	0	0	0	30
Stony coral unident.	0	0	0	0	0	0	0
Octopus	< 1	< 1	0	0	0	0	0
Snail	0	0	0	0	0	0	0
Other invertebrate	< 1	< 1	0	< 1	< 1	< 1	< 1
Total catch (kg)	6,153	8	78	156	287	45	87



## Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	198	199	200	201	202	203	204
Start date & time	07/12/00 13	07/12/00 14	07/12/00 17	07/12/00 20	07/13/00 09	07/13/00 12	07/13/00 15
Start latitude	N 5224.83	N 5219.58	N 5236.97	N 5239.59	N 5211.38	N 5220.01	N 5234.08
Start longitude	E 17417.00	E 17409.50	E 17410.73	E 17401.78	E 17334.99	E 17312.02	E 17330.34
End latitude	N 5224.35	N 5219.63	N 5236.87	N 5239.70	N 5211.66	N 5220.52	N 5233.36
End longitude	E 17415.74	E 17410.72	E 17412.05	E 17400.56	E 17333.72	E 17311.09	E 17329.83
Gear depth (m)	254	374	83	76	225	151	134
Duration (minutes)	18	15.6	16.2	15	18	16.2	15.6
Distance fished (km)	1.726	0.743	1.52	1.412	1.562	1.604	1.507
Performance	0	0	0	0	5.1	0	0
Atka mackerel	0	0	231	0	< 1	0	0
Pacific cod	104	0	18	0	29	153	0
Walleye pollock	8	5	0	0	0	0	4
Pacific ocean perch	0	5	0	0	6818	0	0
Northern rockfish	0	0	0	0	< 1	0	0
Shortraker rockfish	0	2	0	0	0	0	0
Rougheye rockfish	0	1	0	0	0	0	0
Shortspine thornyhead	0	89	0	0	0	0	0
Light dusky rockfish	0	0	0	0	1	0	0
Other rockfish	< 1	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	71	20	5	2	12	80	102
Pacific halibut	0	0	6	2	0	0	8
Northern rock sole	2	0	42	47	8	< 1	10
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	6	3	< 1	< 1	4	7	12
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	5	< 1	< 1	< 1	2	9	53
Rex sole	0	7	0	0	4	6	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	0	34	9	16	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	0	< 1	0	1
Other sculpins	< 1	< 1	5	9	0	< 1	4
Eelpout unident.	0	< 1	0	0	0	0	0
Other fish	< 1	< 1	0	0	< 1	0	< 1
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	2	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	9	< 1	0	< 1	0	0
Sponge	2	< 1	0	0	0	0	< 1
Starfish	< 1	< 1	0	< 1	0	0	1
Soft coral	0	0	< 1	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	< 1	0	0	0	0	0	0
Snail	< 1	0	0	0	0	< 1	< 1
Other invertebrate	< 1	< 1	< 1	0	0	< 1	< 1
Total catch (kg)	201	142	343	69	6897	256	197

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	205	206	207	208	209	210	211
Start date & time	07/13/00 17	07/13/00 20	07/14/00 08	07/14/00 11	07/14/00 13	07/14/00 14	07/14/00 16
Start latitude	N 5235.87	N 5231.64	N 5236.43	N 5240.46	N 5241.92	N 5248.35	N 5251.22
Start longitude	E 17325.73	E 17256.44	E 17251.89	E 17245.47	E 17242.66	E 17234.97	E 17225.54
End latitude	N 5235.24	N 5232.39	N 5236.87	N 5240.85	N 5242.41	N 5248.81	N 5251.47
End longitude	E 17326.50	E 17256.21	E 17250.91	E 17244.41	E 17241.57	E 17233.92	E 17224.37
Gear depth (m)	128	203	206	178	169	136	175
Duration (minutes)	15.6	15.6	16.2	16.2	16.8	16.2	16.2
Distance fished (km)	1.49	1.451	1.417	1.543	1.573	1.497	1.441
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	7	168	51	97	275	0	27
Walleye pollock	15	< 1	8	0	0	0	0
Pacific ocean perch	0	1	2833	0	0	0	0
Northern rockfish	0	0	2	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	1	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	127	186	106	108	84	30	173
Pacific halibut	0	0	0	0	5	0	0
Northern rock sole	10	3	0	8	1	65	53
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	7	8	16	1	2	3	4
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	80	26	< 1	< 1	0	7	38
Rex sole	2	2	0	0	0	3	< 1
Dover sole	0	< 1	0	0	0	< 1	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	< 1	2	0	0	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	< 1	0	2	0
Other sculpins	3	0	< 1	0	< 1	0	4
Eelpout unident.	0	0	0	0	0	0	0
Other fish	< 1	< 1	< 1	0	< 1	< 1	0
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	0	4	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	< 1	0	< 1	< 1	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	< 1	< 1	24	3	2	< 1	0
Starfish	< 1	< 1	< 1	< 1	< 1	< 1	0
Soft coral	0	0	0	0	0	3	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	< 1	0	0	3	0
Snail	0	0	< 1	0	0	0	0
Other invertebrate	< 1	< 1	< 1	< 1	< 1	4	0
Total catch (kg)	251	397	3044	218	373	122	300

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	212	213	214	215	216	217	218
Start date & time	07/14/00 18	07/15/00 09	07/15/00 10	07/15/00 12	07/15/00 16	07/16/00 09	07/16/00 11
Start latitude	N 5250.82	N 5250.07	N 5251.70	N 5300.18	N 5305.42	N 5319.40	N 5319.56
Start longitude	E 17221.26	E 17216.72	E 17217.87	E 17219.43	E 17141.010	E 17036.80	E 17042.94
End latitude	N 5250.100	N 5250.14	N 5251.94	N 5300.00	N 5305.85	N 5318.65	N 5320.32
End longitude	E 17220.05	E 17215.43	E 17216.70	E 17218.67	E 17142.15	E 17036.54	E 17042.94
Gear depth (m)	241	361	207	209	446	323	395
Duration (minutes)	16.2	16.2	16.2	10.8	16.2	16.2	15
Distance fished (km)	1.453	1.484	1.408	1.023	1.501	1.504	1.444
Performance	0	0	0	0	1.12	0	5
Atka mackerel	0	0	5	< 1	0	0	0
Pacific cod	34	0	100	0	0	0	0
Walleye pollock	4	0	0	0	0	0	0
Pacific ocean perch	624	0	9	0	0	0	0
Northern rockfish	< 1	0	0	0	0	0	0
Shortraker rockfish	0	7	0	0	30	< 1	1783
Rougheye rockfish	0	5	0	0	0	2	0
Shortspine thornyhead	0	47	0	0	4	18	7
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	6	0	5
Arrowtooth flounder	99	12	128	1	0	0	0
Pacific halibut	0	0	0	17	0	0	0
Northern rock sole	< 1	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	11	0	3	< 1	0	0	24
Greenland turbot	0	3	0	0	0	3	7
Flathead sole	1	0	0	0	0	0	0
Rex sole	1	3	0	0	0	0	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	< 1	0	0	0	< 1	< 1	< 1
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	0	0	0	0
Other sculpins	1	0	< 1	< 1	0	0	0
Eelpout unident.	0	< 1	0	0	0	0	0
Other fish	0	9	< 1	0	70	< 1	138
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	4	< 1	0	< 1	2	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	< 1	0	< 1	< 1	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	< 1	0	0
Magistrate armhook squid	0	29	4	0	< 1	6	4
Sponge	114	1	4	29	157	21	81
Starfish	< 1	< 1	< 1	< 1	< 1	0	0
Soft coral	0	0	0	< 1	6	< 1	1
Stony coral unident.	0	0	0	0	1	< 1	< 1
Octopus	0	0	< 1	0	0	0	0
Snail	< 1	0	0	0	< 1	0	0
Other invertebrate	< 1	< 1	< 1	< 1	8	< 1	< 1
Total catch (kg)	895	116	253	50	287	51	2051

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	219	220	221	222	223	224	225
Start date & time	07/16/00 14	07/16/00 17	07/16/00 20	07/17/00 08	07/17/00 11	07/17/00 13	07/18/00 09
Start latitude	N 5314.27	N 5315.36	N 5306.98	N 5306.57	N 5254.74	N 5254.64	N 5304.66
Start longitude	E 17049.27	E 17050.62	E 17055.20	E 17059.65	E 17051.76	E 17053.13	E 17249.30
End latitude	N 5314.40	N 5315.14	N 5306.83	N 5306.98	N 5254.61	N 5254.53	N 5304.57
End longitude	E 17047.96	E 17051.53	E 17056.50	E 17058.51	E 17050.51	E 17052.23	E 17250.53
Gear depth (m)	129	163	100	107	205	230	90
Duration (minutes)	15.6	11.4	16.2	16.2	16.2	11.4	14.4
Distance fished (km)	1.494	1.151	1.497	1.507	1.477	1.04	1.419
Performance	0	1.12	0	0	2.4	0	1.1
Atka mackerel	2	< 1	< 1	73	1529	129	2
Pacific cod	0	0	0	0	0	0	137
Walleye pollock	0	< 1	6	< 1	0	0	4
Pacific ocean perch	115	32	0	28	311	35	< 1
Northern rockfish	331	175	11	390	0	0	< 1
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	0	0	0
Shortspine thornyhead	0	2	0	0	41	60	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	0	17	< 1	0	5	0	0
Pacific halibut	0	114	0	0	0	0	77
Northern rock sole	< 1	0	5	5	0	0	4
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	< 1	0	0	0	0	< 1
Greenland turbot	0	0	0	0	0	7	0
Flathead sole	0	3	7	10	0	0	0
Rex sole	0	6	6	15	0	0	0
Dover sole	< 1	< 1	0	0	2	< 1	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	75	81	183	148	41	201	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	0	0	0	2
Other sculpins	0	0	2	< 1	6	10	9
Eelpout unident.	0	0	0	0	1	< 1	0
Other fish	2	1	< 1	2	31	8	< 1
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	2	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	< 1
Magistrate armhook squid	< 1	0	< 1	< 1	0	21	0
Sponge	2	< 1	0	< 1	< 1	4	95
Starfish	0	0	0	0	0	< 1	6
Soft coral	< 1	< 1	< 1	< 1	< 1	0	121
Stony coral unident.	0	0	< 1	0	0	0	0
Octopus	0	0	0	0	0	0	< 1
Snail	0	< 1	0	< 1	0	< 1	< 1
Other invertebrate	< 1	< 1	0	0	< 1	< 1	30
Total catch (kg)	529	433	220	674	1970	477	487

Fishing Log: FV Vesteraalen, Cruise 2000-01.

Haul number	226	227	228	229	230
Start date & time	07/18/00 12	07/18/00 14	07/19/00 10	07/19/00 13	07/20/00 12
Start latitude	N 5304.13	N 5257.98	N 5249.26	N 5246.22	N 5220.22
Start longitude	E 17257.25	E 17314.60	E 17343.34	E 17402.26	E 17551.16
End latitude	N 5304.08	N 5258.70	N 5248.97	N 5246.21	N 5219.71
End longitude	E 17258.54	E 17315.18	E 17344.53	E 17401.00	E 17552.30
Gear depth (m)	111	79	110	69	72
Duration (minutes)	16.2	16.2	15.6	16.2	16.8
Distance fished (km)	1.468	1.557	1.498	1.516	1.658
<b>Performance</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Atka mackerel	0	0	0	0	0
Pacific cod	15	46	8	0	0
Walleye pollock	0	0	0	0	0
Pacific ocean perch	< 1	0	0	0	0
Northern rockfish	16	< 1	0	0	0
Shortraker rockfish	0	0	0	0	0
Rougheye rockfish	0	0	0	0	0
Shortspine thornyhead	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0
Other rockfish	0	0	0	0	0
Sablefish	0	0	0	0	0
Arrowtooth flounder	2	0	3	< 1	0
Pacific halibut	20	171	31	67	0
Northern rock sole	14	26	18	31	< 1
Southern rock sole	0	0	0	0	0
Kamchatka flounder	0	0	0	0	0
Greenland turbot	0	0	0	0	0
Flathead sole	0	0	0	0	0
Rex sole	0	0	0	0	0
Dover sole	0	0	0	0	0
Yellowfin sole	0	0	0	0	0
English sole	0	0	0	0	0
Other flatfish	0	0	0	0	0
Skate unident.	0	0	0	14	0
Shark unident.	0	0	0	0	0
Yellow Irish Lord	2	0	0	0	0
Other sculpins	4	0	< 1	< 1	0
Eelpout unident.	0	0	0	0	0
Other fish	< 1	122	< 1	0	< 1
Bairdi tanner crab	0	0	0	0	0
Golden king crab	0	0	0	0	0
Red king crab	0	0	0	0	0
Northern shrimp	0	0	< 1	0	0
Sidestripe shrimp	0	0	0	0	0
Scallop unident.	< 1	< 1	0	0	0
Magistrate armhook squid	0	0	0	0	0
Sponge	8	3	< 1	< 1	0
Starfish	2	1	< 1	< 1	0
Soft coral	51	< 1	0	< 1	0
Stony coral unident.	0	0	0	0	0
Octopus	0	0	0	0	0
Snail	< 1	0	< 1	0	0
Other invertebrate	11	2	1	< 1	< 1
Total catch (kg)	147	371	61	113	< 1

Fishing Log: FV Vesteraalen, Cruise 2000-01.

The following hauls had no catch:

Haul number	154	175	178	187
Start date & time	06/29/00 10	07/05/00 21	07/06/00 13	07/08/00 20
Start latitude	N 5204.85	N 5205.24	N 5207.55	N 5218.53
Start longitude	E 17806.68	E 17619.39	E 17615.29	E 17548.17
End latitude	N 5204.85	N 5204.87	N 5207.23	N 5217.94
End longitude	E 17806.53	E 17620.38	E 17616.27	E 17548.73
Gear depth (m)	448	145	123	247
Duration (minutes)	13.2	15.6	15	15
Distance fished (km)	0.458	1.413	1.303	1.354
Performance	-1	-2.4	-2.4	-2.4

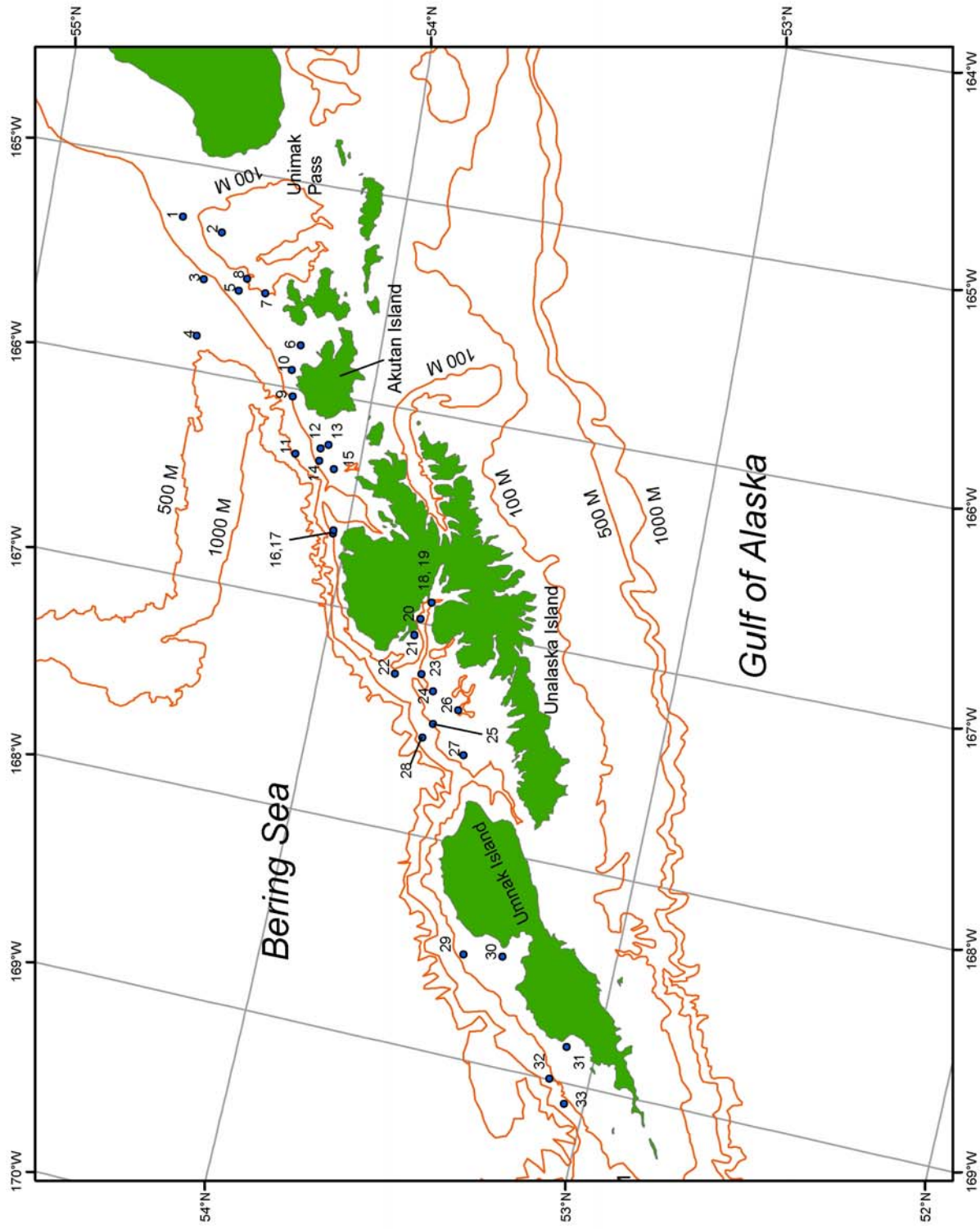
## Section 2

### Fishing Log for the FV *Dominator*

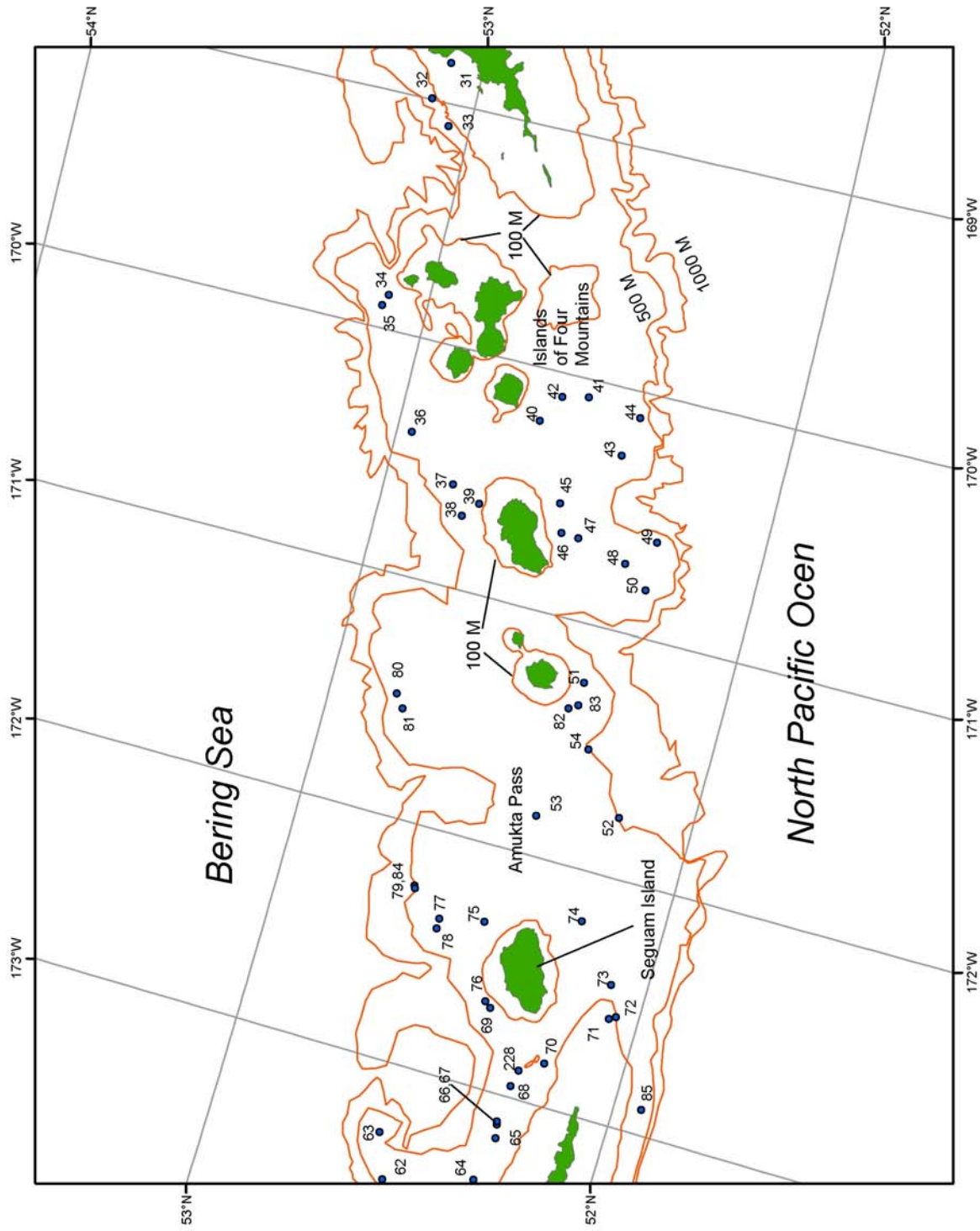
- Station charts of haul numbers plotted adjacent to their respective geographical positions



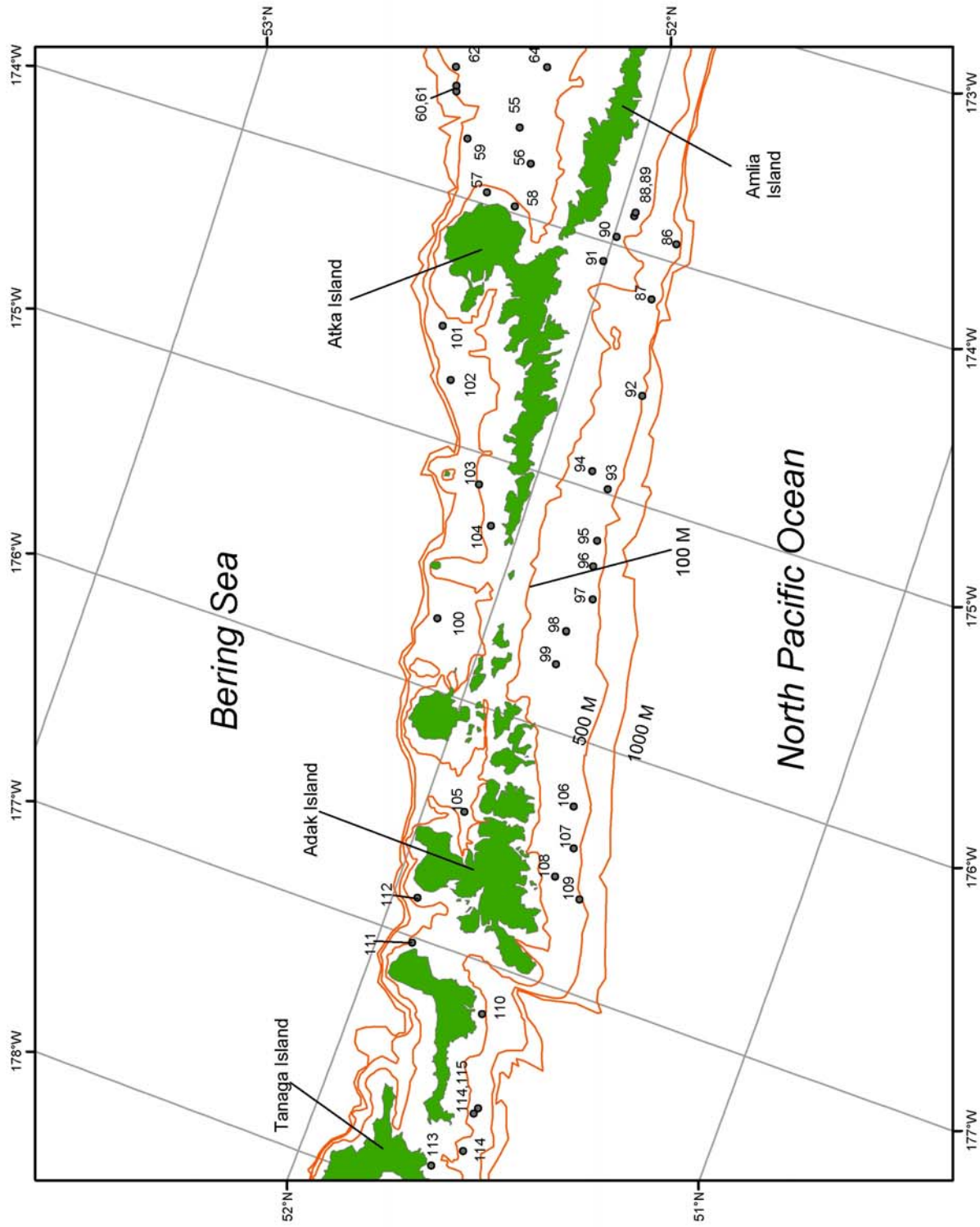




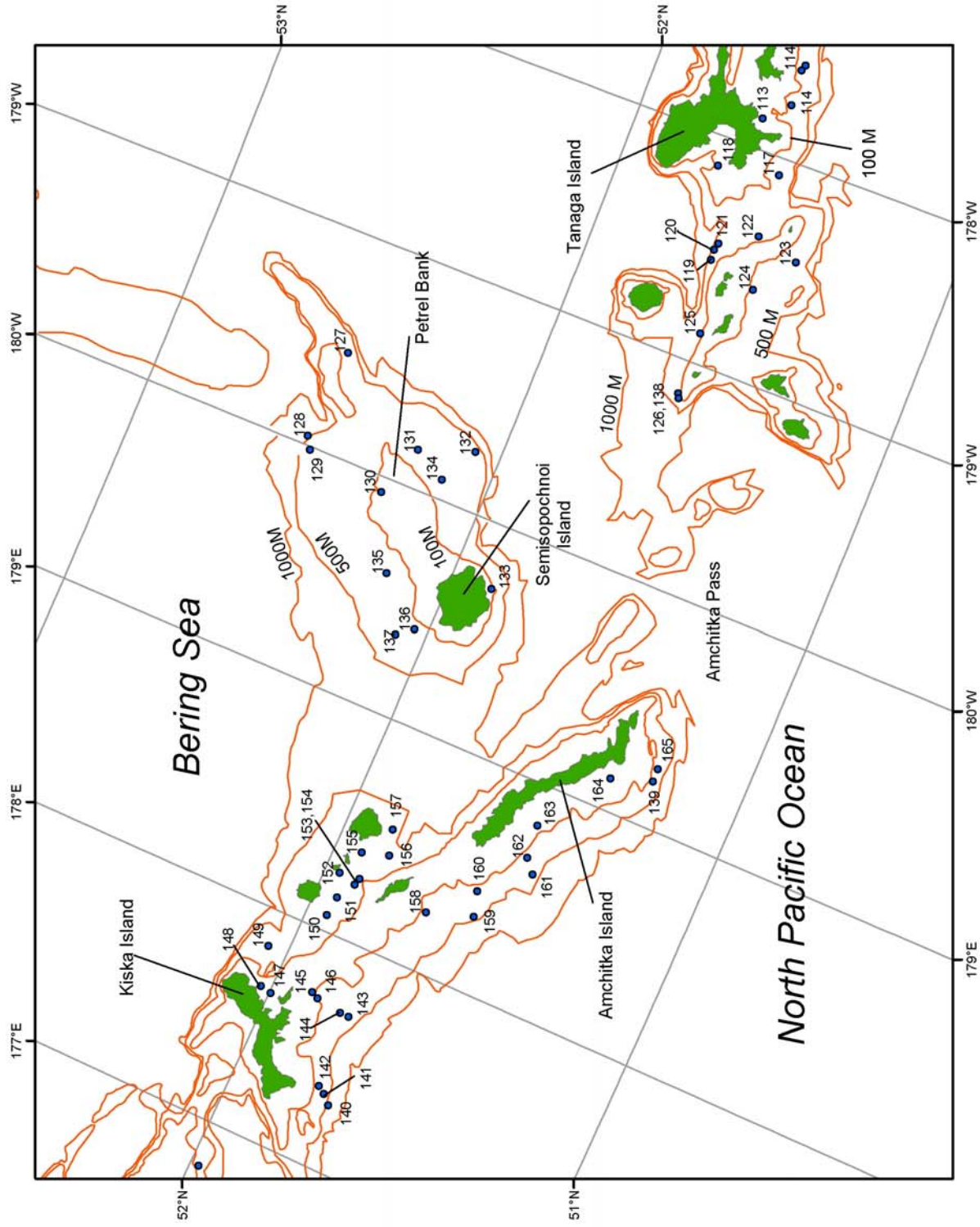
**Figure 8.** Stations surveyed by the chartered trawler FV Dominator from Umnak Island to Umnak Island.



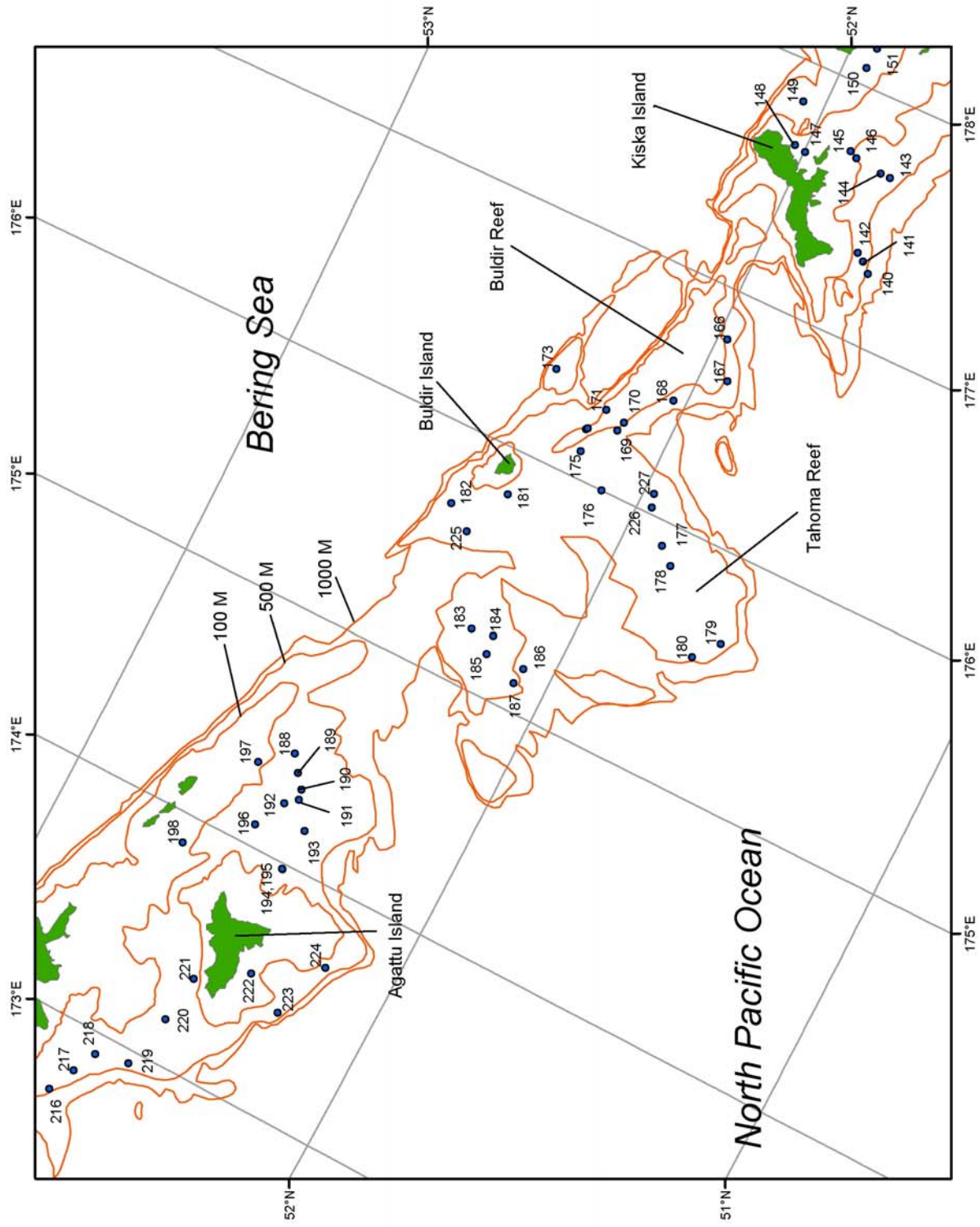
**Figure 9.** Stations surveyed by the chartered trawler FV Dominator from the Islands of Four Mountains to Segum Island.



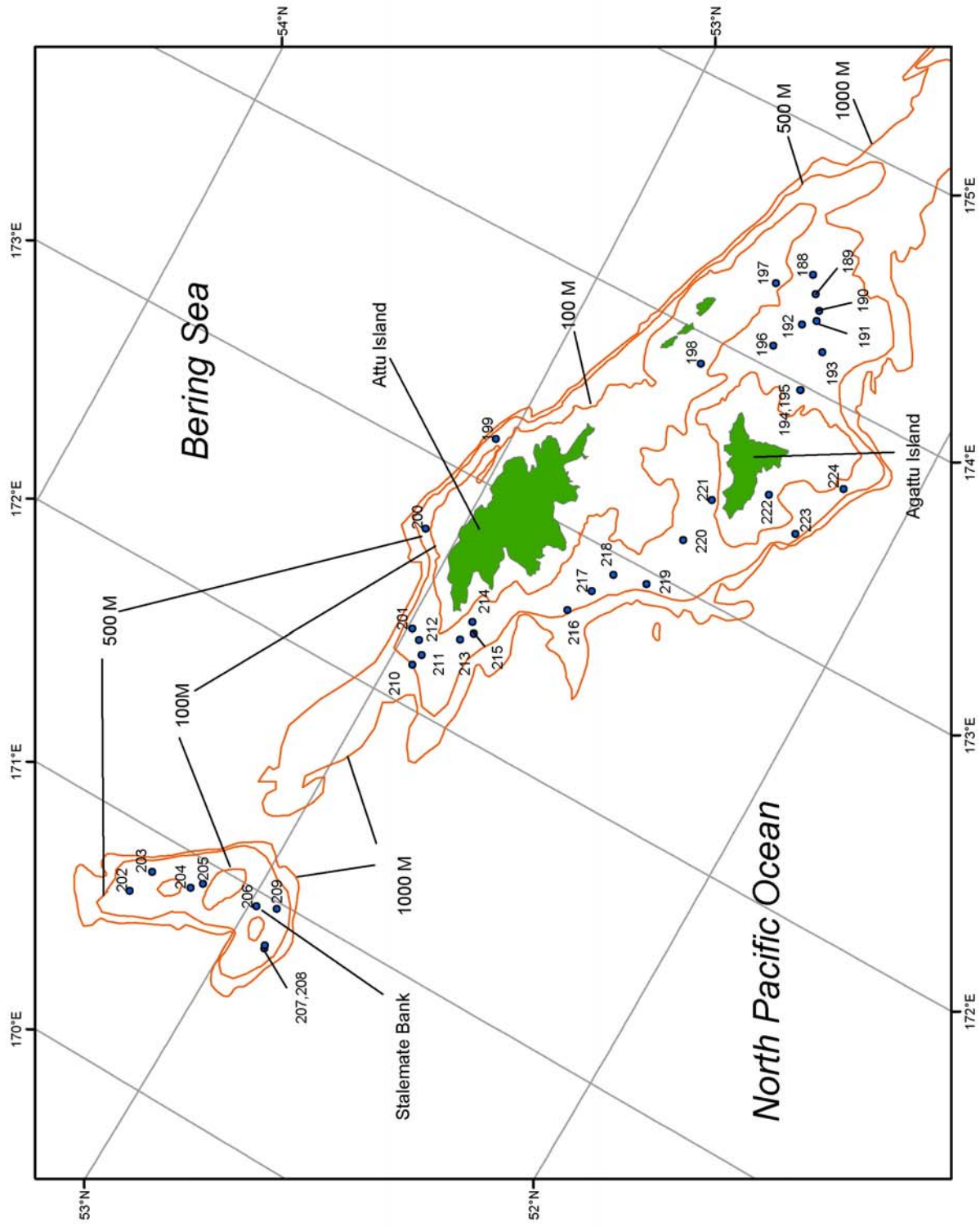
**Figure 10.** Stations surveyed by the chartered trawler FV Dominator from Amlia Island to Tanaga Island.



**Figure 11.** Stations surveyed by the chartered trawler FV Dominator from Tanaga Island to Kiska Island.



**Figure 12.** Stations surveyed by the chartered trawler FV Dominator from Kiska Island to Agattu Island.



**Figure 13.** Stations surveyed by the chartered trawler FV Dominator from Agattu Island to Stalemate Bank.

Section 2 (continued)

**Fishing Log for the FV *Dominator***

- Summary listings of species catches by haul
- Haul start/end latitude and longitude in degrees, minutes, and decimal minutes
- 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





Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	1	2	3	4	5	6	7
Start date & time	05/20/00 07	05/20/00 11	05/20/00 13	05/20/00 15	05/20/00 18	05/21/00 07	05/21/00 09
Start latitude	N 5437.21	N 5430.22	N 5431.86	N 5431.41	N 5425.63	N 5413.64	N 5421.12
Start longitude	W 16515.85	W 16518.58	W 16532.96	W 16549.69	W 16534.48	W 16547.11	W 16533.99
End latitude	N 5437.17	N 5429.28	N 5431.11	N 5432.24	N 5425.22	N 5414.53	N 5420.82
End longitude	W 16514.39	W 16518.83	W 16533.54	W 16549.99	W 16535.72	W 16547.39	W 16535.09
Gear depth (m)	77	130	110	430	89	73	108
Duration (minutes)	16.8	16.8	18	17.4	17.4	18.6	17.4
Distance fished (km)	1.651	1.8	1.556	1.603	1.59	1.707	1.353
<b>Performance</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Atka mackerel	0	0	0	0	452	0	2
Pacific cod	16	25	76	0	281	50	108
Walleye pollock	10	64	2216	38	6	6	565
Pacific ocean perch	0	0	< 1	< 1	1	0	0
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	3	0	0	0
Shortspine thornyhead	0	0	0	< 1	0	0	0
Light dusky rockfish	0	0	0	0	0	0	2
Other rockfish	0	0	0	0	0	0	< 1
Sablefish	0	0	0	52	0	0	0
Arrowtooth flounder	35	176	90	170	33	10	143
Pacific halibut	35	14	33	55	32	10	47
Northern rock sole	38	12	62	0	134	9	44
Southern rock sole	12	0	0	0	0	11	9
Kamchatka flounder	0	0	0	18	0	0	0
Greenland turbot	0	0	0	22	0	0	0
Flathead sole	45	46	16	32	2	4	12
Rex sole	0	< 1	< 1	3	0	4	0
Dover sole	0	0	0	0	0	< 1	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	16	0	0	0	7	9
Shark unident.	0	0	0	0	0	2	3
Yellow Irish Lord	20	0	30	0	78	1	34
Other sculpins	3	0	0	1	5	17	< 1
Eelpout unident.	0	0	0	8	0	0	0
Other fish	0	< 1	< 1	16	< 1	< 1	0
Bairdi tanner crab	0	< 1	0	0	0	< 1	0
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	< 1	0	< 1	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	0	0	0	< 1	< 1	< 1
Magistrate armhook squid	0	< 1	< 1	5	0	0	0
Sponge	< 1	0	< 1	0	< 1	0	0
Starfish	< 1	< 1	< 1	< 1	< 1	0	< 1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	0	< 1	0	6	0
Snail	< 1	< 1	< 1	1	< 1	< 1	0
Other invertebrate	< 1	1	< 1	2	2	< 1	< 1
<b>Total catch (kg)</b>	<b>217</b>	<b>356</b>	<b>2525</b>	<b>429</b>	<b>1025</b>	<b>140</b>	<b>980</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	8	9	10	11	12	13	14
Start date & time	05/21/00 11	05/21/00 15	05/21/00 16	05/22/00 07	05/22/00 09	05/22/00 10	05/22/00 12
Start latitude	N 5424.61	N 5413.41	N 5414.35	N 5411.11	N 5407.05	N 5405.86	N 5406.88
Start longitude	W 16530.62	W 16602.18	W 16554.64	W 16618.58	W 16615.59	W 16614.24	W 16619.31
End latitude	N 5424.82	N 5412.69	N 5414.56	N 5410.75	N 5406.42	N 5405.45	N 5406.53
End longitude	W 16531.69	W 16603.02	W 16555.100	W 16619.68	W 16616.49	W 16615.51	W 16620.41
Bottom depth (m)	90	77	61	295	91	83	93
Duration (minutes)	19.2	16.8	16.8	16.2	16.2	17.4	16.2
Distance fished (km)	1.247	1.637	1.549	1.406	1.56	1.605	1.393
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	12	0	24	0	24	21	30
Walleye pollock	53	< 1	7	89	< 1	0	5
Pacific ocean perch	0	0	0	40	4	0	0
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	8	0	0	0
Shortspine thornyhead	0	0	0	37	0	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	14	0	0	25	3	0	23
Pacific halibut	53	57	16	3	47	45	65
Northern rock sole	32	21	20	0	9	1	13
Southern rock sole	0	54	123	0	0	0	14
Kamchatka flounder	0	0	0	8	0	0	0
Greenland turbot	0	0	0	65	0	0	0
Flathead sole	< 1	0	0	3	< 1	0	1
Rex sole	0	0	0	18	0	0	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	0	0	0	0	0	19
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	38	< 1	0	0	30	49	13
Other sculpins	0	< 1	0	< 1	0	< 1	0
Eelpout unident.	0	0	0	0	0	0	0
Other fish	0	0	0	< 1	< 1	< 1	0
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	0	0	0	4	< 1	< 1
Magistrate armhook squid	0	0	0	5	0	0	0
Sponge	< 1	0	0	< 1	3	< 1	< 1
Starfish	< 1	0	< 1	< 1	5	3	< 1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	< 1	0	0	< 1	6	2	< 1
Other invertebrate	< 1	< 1	< 1	< 1	62	59	2
<b>Total catch (kg)</b>	<b>203</b>	<b>134</b>	<b>190</b>	<b>305</b>	<b>198</b>	<b>181</b>	<b>187</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	15	16	17	18	19	20	21
Start date & time	05/22/00 13	05/22/00 15	05/22/00 16	05/23/00 07	05/23/00 10	05/23/00 12	05/23/00 14
Start latitude	N 5404.19	N 5402.32	N 5402.30	N 5343.46	N 5343.44	N 5344.74	N 5345.31
Start longitude	W 16620.87	W 16638.44	W 16639.31	W 16653.51	W 16653.53	W 16658.77	W 16703.59
End latitude	N 5404.29	N 5402.30	N 5402.30	N 5343.62	N 5343.59	N 5344.67	N 5346.00
End longitude	W 16622.16	W 16640.04	W 16640.59	W 16654.80	W 16654.73	W 16700.15	W 16704.26
Bottom depth (m)	84	85	87	188	188	185	64
Duration (minutes)	16.8	15.6	18.6	15	14.4	16.2	16.2
Distance fished (km)	1.443	1.158	1.415	1.406	1.364	1.591	1.52
<b>Performance</b>	<b>0</b>	<b>-4</b>	<b>0</b>	<b>-4</b>	<b>0</b>	<b>0</b>	<b>0</b>
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	2	13	5	7	24	72
Walleye pollock	0	429	9	15	10	10	< 1
Pacific ocean perch	0	< 1	0	< 1	0	0	0
Northern rockfish	0	0	< 1	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	1	2	< 1	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	1	1	0
Other rockfish	0	< 1	0	0	0	0	0
Sablefish	0	0	0	0	0	1	0
Arrowtooth flounder	3	28	23	88	81	18	16
Pacific halibut	25	13	8	3	29	0	4
Northern rock sole	13	18	18	< 1	0	0	6
Southern rock sole	45	14	22	< 1	< 1	0	122
Kamchatka flounder	0	< 1	0	0	0	0	0
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	6	7	12	156	135	127	32
Rex sole	< 1	0	< 1	18	16	23	0
Dover sole	0	0	0	0	< 1	< 1	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	< 1	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	6	14	12	75	72	11	9
Shark unident.	0	0	0	0	0	222	0
Yellow Irish Lord	4	20	9	2	0	0	0
Other sculpins	9	< 1	8	1	< 1	< 1	< 1
Eelpout unident.	0	0	0	< 1	< 1	< 1	0
Other fish	0	0	< 1	6	14	6	0
Bairdi tanner crab	0	0	< 1	< 1	< 1	< 1	0
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	3	0
Northern shrimp	0	0	0	2	3	2	0
Sidestripe shrimp	0	0	0	0	0	< 1	0
Scallop unident.	0	3	< 1	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	12	< 1	2	0	0	0	0
Starfish	< 1	1	< 1	1	< 1	< 1	1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	4	0	0	0	0	0
Snail	< 1	< 1	< 1	< 1	0	0	0
Other invertebrate	3	3	2	34	< 1	< 1	< 1
<b>Total catch (kg)</b>	<b>127</b>	<b>555</b>	<b>139</b>	<b>411</b>	<b>373</b>	<b>450</b>	<b>263</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	22	23	24	25	26	27	28
Start date & time	05/23/00 16	05/23/00 18	05/24/00 07	05/24/00 09	05/24/00 11	05/24/00 12	05/24/00 16
Start latitude	N 5347.20	N 5342.77	N 5340.26	N 5339.14	N 5335.38	N 5332.91	N 5340.45
Start longitude	W 16715.59	W 16714.13	W 16718.39	W 16727.53	W 16722.25	W 16734.58	W 16732.06
End latitude	N 5346.51	N 5343.27	N 5339.47	N 5338.53	N 5334.62	N 5332.21	N 5340.72
End longitude	W 16716.26	W 16715.36	W 16717.78	W 16728.35	W 16722.03	W 16735.31	W 16730.95
Bottom depth (m)	161	97	91	109	107	86	309
Duration (minutes)	16.2	18	16.2	15.6	16.2	16.2	15.6
Distance fished (km)	1.508	1.672	1.65	1.481	1.494	1.562	1.365
<b>Performance</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Atka mackerel	1	0	0	0	0	0	0
Pacific cod	50	3	7	16	66	1	0
Walleye pollock	29	0	1	4	2	0	99
Pacific ocean perch	0	0	0	0	< 1	0	1041
Northern rockfish	0	< 1	0	0	0	0	< 1
Shortraker rockfish	0	0	0	0	0	0	53
Rougheye rockfish	0	0	0	0	0	0	28
Shortspine thornyhead	0	0	0	0	0	0	25
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	4
Arrowtooth flounder	13	7	6	25	6	14	265
Pacific halibut	0	1	0	5	0	2	20
Northern rock sole	< 1	< 1	< 1	22	2	9	0
Southern rock sole	< 1	26	40	45	< 1	46	0
Kamchatka flounder	0	0	0	0	0	0	0
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	12	2	1	8	11	4	6
Rex sole	10	< 1	< 1	4	3	9	70
Dover sole	3	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	0	0	0	0	0	7
Shark unident.	0	0	0	1	0	0	0
Yellow Irish Lord	0	0	0	0	0	0	0
Other sculpins	< 1	0	0	< 1	< 1	0	< 1
Eelpout unident.	0	0	0	0	0	0	0
Other fish	0	< 1	0	0	< 1	0	< 1
Bairdi tanner crab	< 1	0	0	0	< 1	< 1	0
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	< 1	0	0	0	0	0	< 1
Sidestripe shrimp	0	0	0	0	0	0	< 1
Scallop unident.	0	< 1	< 1	< 1	0	0	0
Magistrate armhook squid	2	0	< 1	0	0	0	11
Sponge	< 1	4	< 1	0	1	0	0
Starfish	< 1	< 1	< 1	0	< 1	< 1	< 1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	< 1	< 1	0	0	< 1	0	0
Other invertebrate	< 1	< 1	< 1	1	5	2	2
<b>Total catch (kg)</b>	<b>124</b>	<b>47</b>	<b>58</b>	<b>131</b>	<b>97</b>	<b>87</b>	<b>1633</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	29	30	31	32	33	34	35
Start date & time	05/25/00 08	05/25/00 10	05/25/00 13	05/25/00 15	05/25/00 17	05/26/00 08	05/26/00 11
Start latitude	N 5325.77	N 5319.18	N 5305.06	N 5306.72	N 5303.30	N 5306.26	N 5306.86
Start longitude	W 16830.38	W 16828.69	W 16849.71	W 16859.57	W 16905.64	W 16951.21	W 16954.11
End latitude	N 5326.41	N 5319.96	N 5304.32	N 5307.19	N 5302.61	N 5306.88	N 5306.92
End longitude	W 16829.47	W 16828.88	W 16850.41	W 16858.06	W 16905.95	W 16952.31	W 16955.27
Bottom depth (m)	84	82	65	257	218	290	222
Duration (minutes)	16.8	16.8	17.4	21	15	22.8	16.2
Distance fished (km)	1.582	1.491	1.625	1.951	1.31	1.735	1.321
<b>Performance</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Atka mackerel	0	0	3	2	0	0	0
Pacific cod	42	24	9	74	30	37	42
Walleye pollock	2	< 1	< 1	13	23	4	< 1
Pacific ocean perch	0	0	0	24	522	12	4
Northern rockfish	0	0	0	0	5	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	12	14	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	1	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	5	0	0	0
Arrowtooth flounder	5	10	20	23	22	41	7
Pacific halibut	0	30	35	54	2	37	0
Northern rock sole	7	130	31	0	0	2	< 1
Southern rock sole	9	3	56	0	0	0	0
Kamchatka flounder	0	0	0	< 1	0	10	0
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	2	0	0	0	0	0
Rex sole	0	< 1	0	4	0	5	0
Dover sole	0	0	0	0	< 1	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	4	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	23	0	0	2	8	153	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	10	< 1	0	0	0	< 1
Other sculpins	0	< 1	0	4	4	< 1	4
Eelpout unident.	0	0	0	0	0	0	0
Other fish	0	3	< 1	< 1	< 1	0	< 1
Bairdi tanner crab	0	< 1	0	0	0	0	0
Golden king crab	0	0	0	1	0	0	1
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	< 1	< 1	0	< 1
Sponge	0	0	0	6	8	1	4
Starfish	0	0	0	< 1	< 1	< 1	< 1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	< 1	0	< 1
Octopus	0	0	0	0	0	< 1	0
Snail	0	0	< 1	< 1	< 1	0	0
Other invertebrate	< 1	< 1	< 1	< 1	< 1	1	< 1
<b>Total catch (kg)</b>	<b>88</b>	<b>218</b>	<b>156</b>	<b>225</b>	<b>640</b>	<b>304</b>	<b>66</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	36	37	38	39	40	41	42
Start date & time	05/26/00 14	05/26/00 17	05/26/00 18	05/27/00 08	05/27/00 11	05/27/00 13	05/27/00 17
Start latitude	N 5257.70	N 5249.48	N 5246.99	N 5244.85	N 5238.85	N 5232.37	N 5236.38
Start longitude	W 17023.82	W 17034.28	W 17041.40	W 17037.37	W 17013.15	W 17004.46	W 17005.96
End latitude	N 5258.51	N 5250.00	N 5247.34	N 5244.77	N 5238.79	N 5232.69	N 5236.17
End longitude	W 17023.28	W 17033.29	W 17040.30	W 17038.42	W 17011.72	W 17005.65	W 17007.15
Bottom depth (m)	221	335	330	154	232	233	274
Duration (minutes)	18	17.4	16.2	17.4	18.6	15.6	15.6
Distance fished (km)	1.643	1.51	1.414	1.233	1.64	1.48	1.409
<b>Performance</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Atka mackerel	0	0	0	1	0	0	0
Pacific cod	27	0	11	612	47	14	5
Walleye pollock	0	7	16	3	70	4	9
Pacific ocean perch	390	15	21	0	40	15	< 1
Northern rockfish	6	< 1	3	0	< 1	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	9	17	0	< 1	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	7	5
Arrowtooth flounder	20	114	20	0	104	544	13
Pacific halibut	27	0	0	0	17	0	2
Northern rock sole	0	0	0	< 1	0	4	0
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	< 1	134	95	0	< 1	0	< 1
Greenland turbot	0	0	13	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	0	0	0	0	11	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	< 1	13	5	62	< 1	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	0	0	0	0
Other sculpins	8	2	5	< 1	13	< 1	0
Eelpout unident.	0	0	0	0	0	0	0
Other fish	< 1	< 1	0	< 1	< 1	< 1	< 1
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	3	0	< 1	0	< 1	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	6	2	29	< 1	3	< 1	0
Sponge	14	< 1	4	11	28	2	< 1
Starfish	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Soft coral	0	0	0	0	< 1	< 1	0
Stony coral unident.	< 1	< 1	0	< 1	< 1	< 1	< 1
Octopus	0	< 1	0	0	0	0	0
Snail	0	< 1	< 1	< 1	< 1	0	0
Other invertebrate	5	3	2	< 1	4	< 1	< 1
<b>Total catch (kg)</b>	<b>510</b>	<b>300</b>	<b>241</b>	<b>692</b>	<b>331</b>	<b>604</b>	<b>36</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	43	44	45	46	47	48	49
Start date & time	05/29/00 13	05/29/00 15	05/29/00 18	05/30/00 08	05/30/00 10	05/30/00 12	05/30/00 14
Start latitude	N 5225.27	N 5223.82	N 5232.66	N 5231.34	N 5228.64	N 5220.55	N 5216.57
Start longitude	W 17016.71	W 17006.47	W 17032.21	W 17039.41	W 17039.68	W 17042.91	W 17035.81
End latitude	N 5224.41	N 5224.33	N 5232.06	N 5230.97	N 5228.69	N 5220.52	N 5215.88
End longitude	W 17016.92	W 17005.48	W 17033.04	W 17040.70	W 17038.44	W 17041.65	W 17036.50
Bottom depth (m)	218	253	215	130	278	230	237
Duration (minutes)	18.6	15.6	15.6	16.8	15.6	15.6	15.6
Distance fished (km)	1.663	1.503	1.503	1.641	1.427	1.447	1.544
<b>Performance</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4.1</b>
Atka mackerel	0	0	0	1	0	0	0
Pacific cod	11	7	32	107	5	19	39
Walleye pollock	0	12	0	0	0	0	0
Pacific ocean perch	17	99	0	< 1	< 1	21	1368
Northern rockfish	0	1	0	0	0	2	16
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	0	0	1
Shortspine thornyhead	0	2	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	0	5
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	1	0	0	0	0	0
Arrowtooth flounder	< 1	9	7	20	< 1	548	8
Pacific halibut	0	27	145	25	77	26	0
Northern rock sole	0	0	2	7	6	0	0
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	0	0	0	0	43	0
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	0	0	0	0	0	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	0	0	5	8	18	8
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	13	0	0	0
Other sculpins	4	6	1	< 1	< 1	5	11
Eelpout unident.	0	0	0	0	0	0	0
Other fish	< 1	0	< 1	< 1	< 1	< 1	< 1
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	< 1	0	0	2	0	< 1	1
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	< 1	< 1	0	0	1	0
Sponge	67	6	< 1	49	0	5	49
Starfish	1	< 1	< 1	< 1	0	< 1	< 1
Soft coral	< 1	0	0	0	0	< 1	< 1
Stony coral unident.	< 1	< 1	< 1	< 1	0	< 1	2
Octopus	0	0	0	0	0	0	< 1
Snail	0	0	0	< 1	0	< 1	0
Other invertebrate	4	< 1	< 1	27	2	< 1	7
<b>Total catch (kg)</b>	<b>107</b>	<b>171</b>	<b>189</b>	<b>256</b>	<b>99</b>	<b>690</b>	<b>1517</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	50	51	52	53	54	55	56
Start date & time	05/30/00 17	05/31/00 07	05/31/00 11	05/31/00 13	05/31/00 17	06/01/00 08	06/01/00 10
Start latitude	N 5216.47	N 5222.12	N 5211.41	N 5223.85	N 5218.79	N 5218.94	N 5215.64
Start longitude	W 17048.18	W 17114.44	W 17144.92	W 17149.86	W 17130.34	W 17338.88	W 17346.73
End latitude	N 5217.05	N 5221.78	N 5211.47	N 5223.24	N 5218.79	N 5219.28	N 5215.82
End longitude	W 17047.95	W 17115.86	W 17144.78	W 17149.67	W 17130.34	W 17340.04	W 17347.93
Bottom depth (m)	231	329	469	277	NA	406	126
Duration (minutes)	15.6	18.6	10.8	15.6	9	16.2	15.6
Distance fished (km)	1.246	1.781	0.247	1.196	NA	1.493	1.455
<b>Performance</b>	<b>0</b>	<b>0</b>	<b>-5.1</b>	<b>4.1</b>	<b>-5.42</b>	<b>0</b>	<b>0</b>
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	4	57	0	37	0	0	0
Walleye pollock	5	5	< 1	426	0	13	< 1
Pacific ocean perch	202	238	2	44	2	2	0
Northern rockfish	0	1	0	2	0	0	0
Shortraker rockfish	0	0	0	0	4	47	0
Rougheye rockfish	2	72	0	3	1	6	0
Shortspine thornyhead	0	0	2	0	0	0	0
Light dusky rockfish	4	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	8	4	0	2	0
Arrowtooth flounder	12	11	0	79	0	295	9
Pacific halibut	64	115	0	43	0	0	0
Northern rock sole	0	0	0	0	0	0	< 1
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	< 1	0	20	139	0	0	4
Greenland turbot	0	0	0	0	0	12	0
Flathead sole	0	0	0	0	0	0	17
Rex sole	0	0	2	0	0	86	< 1
Dover sole	< 1	0	0	0	0	2	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	60	3	13	0	5	< 1
Shark unident.	0	96	0	0	0	0	0
Yellow Irish Lord	0	0	0	0	0	0	0
Other sculpins	14	10	0	10	< 1	< 1	< 1
Eelpout unident.	0	0	0	0	0	< 1	0
Other fish	< 1	< 1	32	< 1	73	< 1	0
Bairdi tanner crab	0	0	0	0	0	0	< 1
Golden king crab	2	2	5	< 1	0	3	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	2	0	< 1	1	0	8	0
Sponge	18	60	< 1	8	27	< 1	< 1
Starfish	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Soft coral	< 1	< 1	< 1	< 1	< 1	0	0
Stony coral unident.	< 1	< 1	< 1	< 1	< 1	0	0
Octopus	0	0	0	0	1	0	0
Snail	0	< 1	< 1	0	< 1	0	< 1
Other invertebrate	3	2	< 1	6	1	0	1
<b>Total catch (kg)</b>	<b>335</b>	<b>731</b>	<b>78</b>	<b>819</b>	<b>111</b>	<b>483</b>	<b>33</b>



Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	57	58	59	60	61	62	63
Start date & time	06/01/00 12	06/02/00 08	06/02/00 11	06/02/00 13	06/02/00 15	06/02/00 17	06/02/00 19
Start latitude	N 5220.81	N 5216.03	N 5226.18	N 5229.94	N 5230.21	N 5231.15	N 5233.67
Start longitude	W 17356.91	W 17358.15	W 17345.29	W 17334.73	W 17333.29	W 17328.76	W 17317.56
End latitude	N 5219.98	N 5215.23	N 5226.39	N 5229.46	N 5229.95	N 5230.69	N 5233.69
End longitude	W 17356.91	W 17358.52	W 17346.45	W 17335.77	W 17334.90	W 17329.80	W 17318.74
Bottom depth (m)	87	89	252	233	238	220	212
Duration (minutes)	16.2	16.2	14.4	15.6	16.2	16.2	15
Distance fished (km)	1.538	1.606	1.395	1.511	1.408	1.495	1.347
<b>Performance</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	3	24	21	8	6	5	0
Walleye pollock	5	2	402	0	0	0	0
Pacific ocean perch	0	0	3466	252	50	25	41
Northern rockfish	< 1	0	< 1	0	0	0	< 1
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	11	4	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	19	57	9	6	3	8	4
Pacific halibut	12	15	16	1	0	0	30
Northern rock sole	5	27	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	2	13	3	3	0	4	< 1
Greenland turbot	0	0	12	0	0	0	0
Flathead sole	0	61	2	0	0	< 1	0
Rex sole	0	3	< 1	0	0	0	< 1
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	29	0	2	0	0	0	< 1
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	< 1	0	0	0	0	0	0
Other sculpins	< 1	11	0	1	3	2	< 1
Eelpout unident.	0	0	0	0	0	0	0
Other fish	< 1	< 1	< 1	0	< 1	< 1	< 1
Bairdi tanner crab	< 1	0	0	0	0	0	0
Golden king crab	0	0	< 1	< 1	1	2	9
Red king crab	0	0	0	0	0	0	0
Northern shrimp	< 1	0	0	< 1	< 1	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	2	0	0	0	0	0	0
Magistrate armhook squid	0	0	2	0	0	0	0
Sponge	< 1	0	0	42	16	58	97
Starfish	1	< 1	0	< 1	1	< 1	1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	< 1	< 1	< 1
Octopus	0	0	0	0	0	0	< 1
Snail	2	< 1	0	0	0	0	0
Other invertebrate	10	9	< 1	1	< 1	2	4
<b>Total catch (kg)</b>	<b>90</b>	<b>223</b>	<b>3936</b>	<b>327</b>	<b>85</b>	<b>107</b>	<b>188</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	64	65	66	67	68	69	70
Start date & time	06/03/00 08	06/03/00 10	06/03/00 12	06/03/00 14	06/03/00 16	06/04/00 07	06/04/00 10
Start latitude	N 5217.60	N 5216.14	N 5216.53	N 5216.69	N 5216.18	N 5222.66	N 5212.15
Start longitude	W 17322.30	W 17310.70	W 17307.30	W 17306.52	W 17257.02	W 17239.65	W 17249.21
End latitude	N 5217.68	N 5216.13	N 5216.29	N 5216.79	N 5216.16	N 5223.34	N 5212.66
End longitude	W 17323.58	W 17311.98	W 17308.72	W 17305.27	W 17255.73	W 17238.66	W 17250.02
Bottom depth (m)	360	257	255	266	248	223	165
Duration (minutes)	15.6	15.6	18	15.6	16.2	18.6	16.2
Distance fished (km)	1.495	1.472	1.701	1.441	1.494	1.733	1.356
<b>Performance</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Atka mackerel	0	0	0	0	0	1	87
Pacific cod	0	11	11	3	5	12	744
Walleye pollock	12	52	292	240	86	3165	0
Pacific ocean perch	3	512	2416	2655	3216	6	0
Northern rockfish	0	1	< 1	0	0	0	0
Shortraker rockfish	4	0	0	0	0	0	0
Rougheye rockfish	6	0	3	0	0	3	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	9	0	0	0	0	19	0
Arrowtooth flounder	20	32	70	24	21	490	0
Pacific halibut	0	0	0	7	0	0	27
Northern rock sole	0	7	0	0	3	7	22
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	10	4	7	3	16	89	0
Greenland turbot	42	0	0	0	0	0	0
Flathead sole	0	3	2	2	< 1	0	0
Rex sole	7	2	5	4	0	0	0
Dover sole	2	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	6	0	0	3	0	231	23
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	0	0	2	9
Other sculpins	3	1	3	< 1	2	0	< 1
Eelpout unident.	0	0	0	0	0	0	0
Other fish	< 1	< 1	< 1	0	0	0	< 1
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	< 1	3	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	< 1	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	1	0	1	< 1	0	0	0
Sponge	1	< 1	< 1	0	< 1	0	< 1
Starfish	< 1	< 1	< 1	0	< 1	0	< 1
Soft coral	0	0	0	0	< 1	0	0
Stony coral unident.	< 1	< 1	0	0	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	< 1	< 1	0	0	0	0	0
Other invertebrate	< 1	< 1	< 1	< 1	< 1	0	< 1
<b>Total catch (kg)</b>	<b>127</b>	<b>627</b>	<b>2812</b>	<b>2944</b>	<b>3350</b>	<b>4024</b>	<b>913</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	71	72	73	74	75	76	77
Start date & time	06/04/00 12	06/04/00 14	06/04/00 16	06/04/00 19	06/05/00 07	06/05/00 10	06/05/00 13
Start latitude	N 5204.45	N 5203.52	N 5205.63	N 5212.62	N 5227.18	N 5223.66	N 5234.07
Start longitude	W 17234.08	W 17233.13	W 17225.72	W 17212.40	W 17219.15	W 17238.29	W 17221.45
End latitude	N 5204.35	N 5203.99	N 5205.96	N 5213.23	N 5227.94	N 5224.44	N 5233.28
End longitude	W 17234.05	W 17233.70	W 17224.95	W 17213.28	W 17219.43	W 17238.27	W 17220.94
Bottom depth (m)	144	145	165	366	162	234	227
Duration (minutes)	1.8	12.6	15	16.2	15.6	15.6	16.8
Distance fished (km)	0.198	1.139	1.091	1.551	1.479	1.473	1.629
<b>Performance</b>	<b>-5.41</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5.1</b>	<b>0</b>
Atka mackerel	7	0	0	0	3	11	0
Pacific cod	74	196	30	0	831	138	131
Walleye pollock	0	0	0	62	2	424	69
Pacific ocean perch	< 1	1	0	2	0	3713	142
Northern rockfish	8	27	0	0	0	0	7
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	3	0	1	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	0	0	0	30	0	259	19
Pacific halibut	0	37	128	40	11	10	0
Northern rock sole	0	0	6	2	3	2	4
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	0	0	25	0	12	3
Greenland turbot	0	0	0	11	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	0	0	0	0	0	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	< 1	25	8	28	97	32	1
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	< 1	6	2	0	2	0	0
Other sculpins	< 1	4	< 1	< 1	< 1	< 1	2
Eelpout unident.	0	0	0	0	0	0	0
Other fish	< 1	< 1	0	9	< 1	0	< 1
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	< 1	< 1	5	2
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	< 1	0	0	0
Sponge	69	120	72	11	5	2	63
Starfish	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Soft coral	2	< 1	< 1	< 1	0	< 1	< 1
Stony coral unident.	< 1	< 1	1	< 1	0	0	< 1
Octopus	0	0	0	0	0	0	0
Snail	< 1	< 1	0	0	0	0	< 1
Other invertebrate	3	5	6	< 1	< 1	1	3
<b>Total catch (kg)</b>	<b>164</b>	<b>426</b>	<b>254</b>	<b>226</b>	<b>956</b>	<b>4613</b>	<b>449</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	78	79	80	81	82	83	84
Start date & time	06/05/00 14	06/05/00 17	06/11/00 08	06/11/00 09	06/11/00 14	06/11/00 16	06/11/00 21
Start latitude	N 5234.03	N 5239.12	N 5249.69	N 5248.26	N 5223.38	N 5222.05	N 5238.98
Start longitude	W 17224.07	W 17215.07	W 17129.21	W 17132.55	W 17121.60	W 17120.26	W 17215.73
End latitude	N 5233.62	N 5238.84	N 5250.02	N 5248.61	N 5224.19	N 5222.41	N 5238.83
End longitude	W 17222.89	W 17214.11	W 17127.86	W 17131.63	W 17122.90	W 17121.64	W 17216.90
Bottom depth (m)	213	386	209	210	240	325	382
Duration (minutes)	17.4	20.4	18	21	21	19.8	15.6
Distance fished (km)	1.571	1.263	1.66	1.259	2.196	1.73	1.379
<b>Performance</b>	<b>0</b>	<b>-2.4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Atka mackerel	0	0	< 1	0	0	0	0
Pacific cod	32	0	71	124	262	0	0
Walleye pollock	< 1	0	0	0	0	2	0
Pacific ocean perch	141	0	< 1	5	162	178	2
Northern rockfish	< 1	0	0	0	2	0	0
Shortraker rockfish	0	75	0	0	0	0	49
Rougheye rockfish	3	31	0	0	0	0	3
Shortspine thornyhead	0	23	0	0	0	0	0
Light dusky rockfish	0	0	0	0	1	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	6	0	0	0	0	10
Arrowtooth flounder	0	2	32	35	0	0	3
Pacific halibut	40	0	18	22	136	7	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	2	0	0	0	0	2
Greenland turbot	0	13	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	< 1	0	0	0	0	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	< 1	25	0	29	19	4
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	0	8	0	0
Other sculpins	< 1	8	1	< 1	7	11	17
Eelpout unident.	0	< 1	0	0	0	0	< 1
Other fish	< 1	4	< 1	< 1	< 1	0	< 1
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	< 1	< 1	1	0	2	7	< 1
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	< 1	0	0
Magistrate armhook squid	0	6	0	0	0	16	2
Sponge	89	16	47	177	436	71	16
Starfish	1	< 1	< 1	< 1	2	< 1	< 1
Soft coral	1	23	0	0	< 1	< 1	7
Stony coral unident.	2	1	< 1	< 1	8	1	< 1
Octopus	0	0	0	0	0	0	0
Snail	< 1	0	< 1	< 1	< 1	< 1	0
Other invertebrate	25	2	< 1	< 1	39	20	1
<b>Total catch (kg)</b>	<b>337</b>	<b>216</b>	<b>198</b>	<b>365</b>	<b>1095</b>	<b>335</b>	<b>116</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	85	86	87	88	89	90	91
Start date & time	06/12/00 08	06/12/00 13	06/12/00 15	06/12/00 18	06/12/00 19	06/13/00 08	06/13/00 10
Start latitude	N 5155.70	N 5150.37	N 5151.43	N 5157.88	N 5157.82	N 5159.51	N 5200.38
Start longitude	W 17253.65	W 17355.31	W 17410.22	W 17351.70	W 17350.71	W 17357.95	W 17404.72
End latitude	N 5155.70	N 5150.40	N 5151.60	N 5157.74	N 5157.82	N 5159.99	N 5200.55
End longitude	W 17252.40	W 17354.03	W 17408.87	W 17350.70	W 17350.71	W 17356.95	W 17405.95
Bottom depth (m)	234	325	152	88	NA	94	92
Duration (minutes)	18.6	16.8	18	15.6	NA	17.4	16.8
Distance fished (km)	1.459	1.504	1.598	1.197	NA	1.644	1.464
<b>Performance</b>	<b>5.1</b>	<b>0</b>	<b>0</b>	<b>-2.4</b>	<b>-1.12</b>	<b>0</b>	<b>0</b>
Atka mackerel	0	0	< 1	0	0	0	0
Pacific cod	40	0	0	0	0	20	0
Walleye pollock	0	36	0	0	< 1	< 1	< 1
Pacific ocean perch	202	13	< 1	0	0	0	0
Northern rockfish	0	0	0	0	0	19	0
Shortraker rockfish	0	188	0	0	0	0	0
Rougheye rockfish	0	72	0	0	0	0	0
Shortspine thornyhead	0	6	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	5	0	0	0	0	0
Arrowtooth flounder	0	0	480	0	0	0	0
Pacific halibut	0	0	6	0	0	33	46
Northern rock sole	0	0	22	0	1	8	2
Southern rock sole	0	0	0	0	0	5	0
Kamchatka flounder	0	0	0	0	0	0	0
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	0	0	0	0	0	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	0	0	0	0	0	17
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	4	0	3	10	< 1
Other sculpins	7	14	< 1	0	0	< 1	0
Eelpout unident.	0	0	0	0	0	0	0
Other fish	0	0	< 1	0	3	< 1	0
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	< 1	1	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	0	28	0	0	0	0
Magistrate armhook squid	0	< 1	0	0	0	0	0
Sponge	8	78	21	0	147	39	0
Starfish	< 1	< 1	2	0	< 1	1	< 1
Soft coral	0	< 1	0	0	0	< 1	0
Stony coral unident.	< 1	< 1	< 1	0	< 1	< 1	0
Octopus	0	0	32	0	0	0	0
Snail	0	< 1	2	0	0	< 1	0
Other invertebrate	< 1	1	9	0	3	40	2
<b>Total catch (kg)</b>	<b>259</b>	<b>416</b>	<b>608</b>	<b>0</b>	<b>157</b>	<b>176</b>	<b>68</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	92	93	94	95	96	97	98
Start date & time	06/13/00 13	06/13/00 16	06/13/00 17	06/14/00 08	06/14/00 10	06/14/00 11	06/14/00 13
Start latitude	N 5148.29	N 5148.92	N 5152.07	N 5147.93	N 5147.29	N 5145.72	N 5148.06
Start longitude	W 17433.92	W 17458.73	W 17455.58	W 17511.74	W 17518.010	W 17525.90	W 17535.53
End latitude	N 5148.18	N 5148.95	N 5152.53	N 5147.93	N 5147.19	N 5145.59	N 5148.06
End longitude	W 17435.17	W 17457.24	W 17456.60	W 17512.96	W 17519.35	W 17527.34	W 17536.80
Bottom depth (m)	320	257	155	273	264	283	191
Duration (minutes)	16.2	18.6	16.2	15.6	15.6	19.8	16.2
Distance fished (km)	1.44	1.719	1.484	1.404	1.465	1.693	1.484
<b>Performance</b>	<b>0</b>	<b>0</b>	<b>5.1</b>	<b>5.1</b>	<b>0</b>	<b>0</b>	<b>0</b>
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	12	30	0	14	2	2	443
Walleye pollock	5	8	< 1	20	3	7	2
Pacific ocean perch	115	130	4	50	287	122	344
Northern rockfish	0	2	0	0	0	0	0
Shortraker rockfish	12	0	0	7	0	0	0
Rougheye rockfish	18	0	0	0	0	0	0
Shortspine thornyhead	46	3	2	2	0	0	3
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	13	1	0	0	0	0	0
Arrowtooth flounder	5	39	5	10	26	17	27
Pacific halibut	0	0	46	0	0	0	55
Northern rock sole	0	43	14	51	64	79	38
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	2	0	2	< 1	1	0
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	1	0	3	8	2	0
Rex sole	9	15	< 1	12	13	10	< 1
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	11	0	12	< 1	2	29	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	1	1	0	0	2
Other sculpins	5	< 1	0	1	0	< 1	< 1
Eelpout unident.	0	0	0	0	0	0	0
Other fish	0	< 1	< 1	< 1	< 1	< 1	0
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	< 1	0	< 1	< 1	< 1	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	< 1	0	0	0	0
Magistrate armhook squid	4	0	0	0	< 1	< 1	< 1
Sponge	18	1	< 1	0	< 1	< 1	< 1
Starfish	< 1	< 1	< 1	0	< 1	< 1	< 1
Soft coral	0	< 1	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	< 1	0	0	0	0	0	0
Snail	< 1	< 1	< 1	< 1	0	0	< 1
Other invertebrate	2	2	< 1	< 1	< 1	< 1	3
<b>Total catch (kg)</b>	<b>276</b>	<b>278</b>	<b>85</b>	<b>174</b>	<b>407</b>	<b>269</b>	<b>918</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	99	100	101	102	103	104	105
Start date & time	06/14/00 15	06/14/00 18	06/15/00 08	06/15/00 09	06/15/00 13	06/15/00 15	06/15/00 20
Start latitude	N 5147.93	N 5207.68	N 5221.11	N 5217.39	N 5208.15	N 5204.33	N 5153.84
Start longitude	W 17543.98	W 17542.71	W 17432.30	W 17444.76	W 17507.59	W 17516.44	W 17626.17
End latitude	N 5148.06	N 5207.59	N 5220.99	N 5217.85	N 5207.81	N 5204.71	N 5153.30
End longitude	W 17542.71	W 17541.41	W 17433.64	W 17443.69	W 17508.91	W 17515.32	W 17627.16
Bottom depth (m)	176	111	116	163	107	96	155
Duration (minutes)	16.2	16.2	16.8	16.2	17.4	15.6	16.2
Distance fished (km)	1.494	1.509	1.568	1.52	1.65	1.496	1.556
<b>Performance</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Atka mackerel	0	0	0	0	0	< 1	0
Pacific cod	0	0	< 1	5	514	0	13
Walleye pollock	< 1	0	0	0	1	0	1
Pacific ocean perch	0	0	< 1	0	2	0	< 1
Northern rockfish	0	0	2	0	7	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	< 1	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	40	4	< 1	63	1	< 1	184
Pacific halibut	31	78	13	56	60	16	5
Northern rock sole	16	19	12	43	29	3	0
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	2	< 1	< 1	16	< 1	< 1	8
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	0	1	0	0	91
Rex sole	0	0	0	0	0	0	5
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	13	5	8	0	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	7	2	3	0	3	0	0
Other sculpins	0	< 1	< 1	5	< 1	6	2
Eelpout unident.	0	0	0	0	0	0	0
Other fish	0	< 1	3	0	< 1	< 1	< 1
Bairdi tanner crab	0	0	0	0	0	0	10
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	< 1	0	0	1
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	11	< 1	0	< 1	0	< 1
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	< 1	1	24	3	< 1	0	< 1
Starfish	< 1	< 1	< 1	7	5	< 1	2
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	< 1	2	2	< 1	< 1	< 1
Octopus	0	0	12	0	0	0	0
Snail	< 1	1	< 1	< 1	< 1	< 1	0
Other invertebrate	< 1	1	4	1	4	4	2
<b>Total catch (kg)</b>	<b>98</b>	<b>131</b>	<b>82</b>	<b>211</b>	<b>629</b>	<b>30</b>	<b>326</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	106	107	108	109	110	111	112
Start date & time	06/16/00 15	06/16/00 17	06/17/00 08	06/17/00 09	06/17/00 13	06/17/00 15	06/17/00 17
Start latitude	N 5138.09	N 5135.94	N 5137.24	N 5132.46	N 5140.63	N 5154.67	N 5156.26
Start longitude	W 17615.99	W 17625.82	W 17633.95	W 17637.31	W 17712.14	W 17701.37	W 17650.33
End latitude	N 5138.38	N 5136.24	N 5136.87	N 5132.64	N 5140.80	N 5155.48	N 5157.12
End longitude	W 17614.92	W 17624.68	W 17635.15	W 17636.12	W 17711.07	W 17701.64	W 17649.62
Bottom depth (m)	233	241	143	373	83	89	95
Duration (minutes)	16.2	16.2	16.2	16.2	15.6	17.4	16.8
Distance fished (km)	1.384	1.449	1.562	1.439	1.301	1.588	1.856
<b>Performance</b>	<b>0</b>	<b>5.1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5.3</b>	<b>0</b>
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	32	57	27	2	20	0	< 1
Walleye pollock	842	4140	0	3	0	0	0
Pacific ocean perch	167	2875	< 1	0	0	0	0
Northern rockfish	0	1	0	0	0	0	0
Shortraker rockfish	0	5	0	43	0	0	0
Rougheye rockfish	0	< 1	0	29	0	0	0
Shortspine thornyhead	0	0	0	13	0	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	< 1	0	0	0	0
Sablefish	0	0	0	7	0	0	0
Arrowtooth flounder	137	43	< 1	24	0	0	0
Pacific halibut	39	0	0	0	2	40	43
Northern rock sole	2	0	0	0	18	16	3
Southern rock sole	0	0	0	0	1	2	0
Kamchatka flounder	2	0	0	0	0	0	0
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	0	0	0	0	0	0
Dover sole	0	< 1	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	15	14	< 1	9	0	7
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	0	0	12	1
Other sculpins	< 1	1	< 1	< 1	0	7	8
Eelpout unident.	0	0	0	0	0	0	0
Other fish	< 1	0	< 1	0	0	0	< 1
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	< 1	0	0	0	0
Magistrate armhook squid	0	< 1	0	5	0	0	0
Sponge	11	7	73	16	< 1	6	< 1
Starfish	< 1	< 1	< 1	< 1	< 1	1	2
Soft coral	0	0	0	< 1	< 1	0	0
Stony coral unident.	< 1	0	< 1	< 1	< 1	< 1	< 1
Octopus	0	0	< 1	0	0	0	0
Snail	0	0	< 1	0	0	< 1	< 1
Other invertebrate	< 1	< 1	6	< 1	< 1	8	16
<b>Total catch (kg)</b>	<b>1234</b>	<b>7147</b>	<b>125</b>	<b>145</b>	<b>52</b>	<b>92</b>	<b>82</b>



Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	113	114	115	116	117	118	119
Start date & time	06/18/00 20	06/19/00 08	06/19/00 09	06/19/00 10	06/19/00 13	06/19/00 16	06/20/00 08
Start latitude	N 5139.83	N 5136.03	N 5136.50	N 5136.13	N 5133.85	N 5144.04	N 5139.39
Start longitude	W 17751.77	W 17745.69	W 17736.01	W 17734.45	W 17804.55	W 17807.93	W 17832.34
End latitude	N 5139.40	N 5135.81	N 5136.18	N 5135.98	N 5134.03	N 5144.47	N 5139.45
End longitude	W 17753.00	W 17746.93	W 17737.05	W 17735.62	W 17805.60	W 17809.03	W 17833.48
Bottom depth (m)	56	118	155	233	177	88	278
Duration (minutes)	17.4	16.8	15.6	16.2	16.2	16.2	15.6
Distance fished (km)	1.653	1.502	1.387	1.404	1.297	1.523	1.363
<b>Performance</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Atka mackerel	2	0	0	< 1	1693	0	0
Pacific cod	688	1	3	48	0	0	1
Walleye pollock	0	0	5	0	0	0	284
Pacific ocean perch	0	0	0	2	0	0	42
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	477
Arrowtooth flounder	0	< 1	< 1	142	< 1	0	79
Pacific halibut	18	5	45	25	3	16	0
Northern rock sole	12	17	3	21	24	20	2
Southern rock sole	< 1	0	0	0	< 1	0	0
Kamchatka flounder	0	0	0	6	< 1	0	54
Greenland turbot	0	0	0	0	0	0	10
Flathead sole	0	0	0	< 1	0	0	10
Rex sole	0	0	0	< 1	< 1	0	50
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	6	0	2	2	16	26	12
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	4	2	0	0	0	0
Other sculpins	0	< 1	< 1	< 1	< 1	0	< 1
Eelpout unident.	0	0	0	0	0	0	0
Other fish	0	< 1	< 1	0	< 1	< 1	2
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	0	0	0	4
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	< 1	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	20	2	< 1	0	< 1	0
Magistrate armhook squid	0	0	0	0	0	0	< 1
Sponge	< 1	< 1	7	2	5	< 1	0
Starfish	1	< 1	< 1	< 1	< 1	< 1	< 1
Soft coral	0	0	0	< 1	0	0	0
Stony coral unident.	0	< 1	< 1	0	< 1	< 1	0
Octopus	0	0	5	0	0	0	0
Snail	0	< 1	< 1	< 1	< 1	< 1	0
Other invertebrate	< 1	3	10	2	2	5	< 1
<b>Total catch (kg)</b>	<b>728</b>	<b>53</b>	<b>86</b>	<b>253</b>	<b>1746</b>	<b>68</b>	<b>1028</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	120	121	122	123	124	125	126
Start date & time	06/20/00 10	06/20/00 14	06/20/00 16	06/20/00 18	06/21/00 09	06/21/00 12	06/21/00 16
Start latitude	N 5139.56	N 5139.21	N 5133.29	N 5125.86	N 5130.98	N 5136.57	N 5136.27
Start longitude	W 17829.54	W 17827.57	W 17821.86	W 17824.82	W 17835.84	W 17851.86	W 17909.08
End latitude	N 5139.69	N 5139.18	N 5133.96	N 5125.56	N 5130.96	N 5136.87	N 5136.47
End longitude	W 17830.66	W 17828.66	W 17822.09	W 17823.67	W 17837.08	W 17850.66	W 17908.14
Bottom depth (m)	370	349	144	375	166	321	221
Duration (minutes)	15.6	15.6	15	15.6	15.6	16.2	18
Distance fished (km)	1.334	1.274	1.314	1.461	1.437	1.519	1.1
<b>Performance</b>	<b>0</b>	<b>2.1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-2.4</b>
Atka mackerel	0	0	3961	0	0	2	< 1
Pacific cod	3	0	272	0	10	50	0
Walleye pollock	95	288	1	0	< 1	52	0
Pacific ocean perch	5	4	0	< 1	0	81	0
Northern rockfish	0	< 1	0	0	0	0	0
Shortraker rockfish	18	62	0	284	0	112	1
Rougheye rockfish	6	5	0	18	0	67	0
Shortspine thornyhead	< 1	0	0	8	0	1	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	664	420	0	20	0	102	0
Arrowtooth flounder	46	97	< 1	0	< 1	50	0
Pacific halibut	0	0	6	0	114	10	10
Northern rock sole	0	0	3	0	82	1	3
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	293	368	0	5	< 1	6	0
Greenland turbot	11	8	0	10	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	4	0	0	0	0	11	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	9	6	21	6	0	5	2
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	21	0	0	0	0
Other sculpins	< 1	< 1	0	0	0	14	< 1
Eelpout unident.	3	0	0	< 1	0	0	0
Other fish	< 1	< 1	0	26	0	< 1	< 1
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	18	5	0	0	0	0	6
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	< 1	0	0	0	< 1	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	1	0	0	2	0	1	0
Sponge	0	7	1	2	< 1	71	5
Starfish	< 1	< 1	< 1	0	< 1	< 1	< 1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	< 1	0	0	0	< 1	< 1
Octopus	0	0	0	0	0	0	0
Snail	0	0	< 1	0	0	< 1	0
Other invertebrate	< 1	2	< 1	1	11	4	1
<b>Total catch (kg)</b>	<b>1178</b>	<b>1274</b>	<b>4288</b>	<b>384</b>	<b>217</b>	<b>642</b>	<b>30</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	127	128	129	130	131	132	133
Start date & time	06/22/00 08	06/22/00 10	06/22/00 12	06/22/00 14	06/22/00 16	06/22/00 18	06/23/00 08
Start latitude	N 5230.54	N 5231.53	N 5230.21	N 5216.41	N 5213.41	N 5204.32	N 5152.95
Start longitude	W 17932.16	W 17957.37	E 17959.20	E 17955.93	W 17949.48	W 17944.20	E 17943.01
End latitude	N 5230.86	N 5232.08	N 5230.23	N 5216.30	N 5214.15	N 5204.98	N 5153.38
End longitude	W 17931.19	W 17958.30	E 17959.57	E 17954.66	W 17949.72	W 17943.53	E 17944.09
Bottom depth (m)	142	397	278	96	121	326	91
Duration (minutes)	15.6	15.6	15	15.6	15.6	15.6	15.6
Distance fished (km)	1.299	1.506	1.387	1.476	1.435	1.494	1.511
<b>Performance</b>	<b>1.11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Atka mackerel	< 1	0	0	< 1	0	0	879
Pacific cod	54	0	0	< 1	0	0	198
Walleye pollock	< 1	3	1	0	< 1	6	0
Pacific ocean perch	0	< 1	867	11	0	15	0
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	99	3	0	0	0	0
Rougheye rockfish	0	7	2	0	0	13	0
Shortspine thornyhead	0	38	24	0	0	20	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	3	0
Arrowtooth flounder	0	4	9	< 1	0	9	1
Pacific halibut	0	0	0	0	0	0	47
Northern rock sole	< 1	0	0	82	3	0	22
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	40	9	0	0	3	0
Greenland turbot	13	2	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	21	20	0	0	12	0
Dover sole	0	6	1	0	0	4	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	< 1	2	2	21	9	6	12
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	62	2	0	36
Other sculpins	< 1	0	2	1	< 1	3	< 1
Eelpout unident.	0	3	< 1	0	0	< 1	0
Other fish	< 1	11	< 1	< 1	0	1	< 1
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	6	2	6	2	0	0	0
Red king crab	0	0	0	154	2	0	0
Northern shrimp	0	0	< 1	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	0	0	1	9	1	< 1
Magistrate armhook squid	0	< 1	< 1	0	0	14	1
Sponge	47	3	11	6	8	< 1	14
Starfish	2	< 1	< 1	< 1	1	2	2
Soft coral	0	0	0	0	< 1	< 1	0
Stony coral unident.	< 1	< 1	0	< 1	0	< 1	< 1
Octopus	0	0	0	< 1	0	0	1
Snail	< 1	0	< 1	2	0	0	< 1
Other invertebrate	3	< 1	< 1	11	3	< 1	12
<b>Total catch (kg)</b>	<b>128</b>	<b>242</b>	<b>958</b>	<b>355</b>	<b>38</b>	<b>115</b>	<b>1225</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	134	135	136	137	138	139	140
Start date & time	06/23/00 11	06/23/00 13	06/23/00 15	06/23/00 16	06/24/00 08	06/24/00 16	06/26/00 10
Start latitude	N 5207.81	N 5210.27	N 5202.28	N 5204.93	N 5135.89	N 5115.15	N 5143.01
Start longitude	W 17954.62	E 17936.04	E 17924.89	E 17921.57	W 17910.22	E 17912.28	E 17717.62
End latitude	N 5208.50	N 5210.80	N 5202.97	N 5205.48	N 5135.44	N 5115.12	N 5143.29
End longitude	W 17954.11	E 17936.92	E 17925.38	E 17922.45	W 17911.26	E 17910.100	E 17719.47
Bottom depth (m)	120	135	152	313	231	150	454
Duration (minutes)	15.6	15.6	16.8	15.6	15.6	15.6	27.6
Distance fished (km)	1.458	1.455	1.458	1.483	1.499	1.498	2.234
<b>Performance</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2.4</b>	<b>0</b>
Atka mackerel	0	9	< 1	0	0	10285	0
Pacific cod	0	57	0	0	65	120	0
Walleye pollock	0	0	0	21	7104	0	0
Pacific ocean perch	0	1	0	5	2482	102	0
Northern rockfish	0	5	0	0	< 1	170	0
Shortraker rockfish	0	0	0	0	0	0	68
Rougheye rockfish	0	0	0	2	0	2	0
Shortspine thornyhead	0	0	0	4	0	0	54
Light dusky rockfish	0	1	0	0	0	67	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	203	0	4
Arrowtooth flounder	0	0	0	26	9	0	11
Pacific halibut	23	75	0	0	0	0	0
Northern rock sole	15	5	16	0	5	17	0
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	0	0	54	< 1	0	2
Greenland turbot	0	0	0	37	13	0	4
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	0	0	0	0	0	3
Dover sole	0	0	0	< 1	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	6	8	58	0	14	10	9
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	18	2	0	0	0	0
Other sculpins	< 1	2	8	28	< 1	0	0
Eelpout unident.	0	0	0	< 1	0	0	3
Other fish	< 1	< 1	< 1	< 1	0	40	389
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	1	0	2	0	1
Red king crab	0	4	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	10	9	< 1	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	0	2
Sponge	3	2	2	2	< 1	< 1	4
Starfish	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Soft coral	< 1	0	0	1	0	0	0
Stony coral unident.	< 1	< 1	< 1	< 1	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	< 1	< 1	0	0	0	< 1	0
Other invertebrate	12	3	2	< 1	< 1	< 1	< 1
<b>Total catch (kg)</b>	<b>69</b>	<b>201</b>	<b>90</b>	<b>183</b>	<b>9898</b>	<b>10813</b>	<b>554</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	141	142	143	144	145	146	147
Start date & time	06/26/00 13	06/26/00 14	06/27/00 10	06/27/00 12	06/27/00 14	06/27/00 15	06/27/00 17
Start latitude	N 5144.51	N 5145.79	N 5146.14	N 5147.67	N 5153.42	N 5152.17	N 5159.79
Start longitude	E 17719.90	E 17721.28	E 17741.62	E 17741.68	E 17743.67	E 17742.68	E 17738.79
End latitude	N 5144.66	N 5146.11	N 5145.90	N 5147.39	N 5153.35	N 5152.33	N 5159.53
End longitude	E 17720.92	E 17722.20	E 17742.73	E 17742.82	E 17744.89	E 17743.88	E 17740.07
Bottom depth (m)	272	175	241	156	94	107	84
Duration (minutes)	16.2	15.6	15.6	16.8	15.6	15.6	17.4
Distance fished (km)	1.226	1.249	1.367	1.453	1.413	1.432	1.569
Performance	0	0	1.1	0	0	0	0
Atka mackerel	0	0	0	< 1	213	18	0
Pacific cod	0	9	0	27	30	17	39
Walleye pollock	96	65	350	1	0	0	0
Pacific ocean perch	45	3	4	0	0	0	0
Northern rockfish	0	< 1	2	2	0	69	1
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	6	0	1	0	0	0	0
Shortspine thornyhead	42	1	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	0	< 1	19	16	2	2	< 1
Pacific halibut	0	0	0	0	4	0	0
Northern rock sole	0	2	24	49	56	46	13
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	3	1	1	0	< 1	< 1
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	< 1	2	0	1	1
Rex sole	0	0	24	0	0	0	< 1
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	2	12	0	< 1	0	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	< 1	0	0	0
Other sculpins	3	12	< 1	< 1	2	6	3
Eelpout unident.	< 1	0	0	0	0	0	0
Other fish	0	< 1	< 1	< 1	< 1	< 1	< 1
Bairdi tanner crab	0	0	0	0	0	0	< 1
Golden king crab	4	0	0	0	0	0	0
Red king crab	0	0	0	0	64	0	3
Northern shrimp	0	< 1	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	< 1	< 1	< 1	0
Magistrate armhook squid	< 1	0	0	0	0	0	0
Sponge	78	5	3	< 1	< 1	1	< 1
Starfish	< 1	< 1	< 1	< 1	0	0	0
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	0	0	0	0	0	0	0
Other invertebrate	1	< 1	< 1	< 1	< 1	< 1	< 1
<b>Total catch (kg)</b>	<b>278</b>	<b>113</b>	<b>430</b>	<b>99</b>	<b>372</b>	<b>163</b>	<b>63</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	148	149	150	151	152	153	154
Start date & time	06/27/00 19	06/28/00 15	06/28/00 17	06/28/00 19	06/29/00 08	06/29/00 09	06/29/00 15
Start latitude	N 5201.75	N 5203.36	N 5156.53	N 5156.24	N 5157.51	N 5154.38	N 5154.00
Start longitude	E 17739.38	E 17750.19	E 17804.37	E 17809.85	E 17816.18	E 17814.93	E 17816.85
End latitude	N 5200.98	N 5202.90	N 5155.90	N 5155.87	N 5158.12	N 5154.08	N 5153.67
End longitude	E 17739.13	E 17751.04	E 17804.96	E 17810.95	E 17815.17	E 17813.79	E 17817.92
Bottom depth (m)	84	238	433	342	90	259	207
Duration (minutes)	15.6	15	15.6	15.6	15	15.6	16.2
Distance fished (km)	1.497	1.35	1.405	1.447	1.661	1.449	1.498
<b>Performance</b>	<b>0</b>	<b>5.1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4.4</b>	<b>0</b>
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	25	28	0	6	9	216	731
Walleye pollock	3	87	12	24	0	1336	2522
Pacific ocean perch	0	449	3	5	0	2341	5713
Northern rockfish	122	0	0	0	0	0	5
Shortraker rockfish	0	0	9	28	0	235	25
Rougheye rockfish	0	14	11	43	0	1070	35
Shortspine thornyhead	0	0	3	2	0	0	0
Light dusky rockfish	0	0	0	0	0	0	2
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	3	9	0	24	0	300	241
Pacific halibut	< 1	11	0	0	< 1	0	28
Northern rock sole	37	43	0	0	92	12	133
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	2	3	36	936	0	90	13
Greenland turbot	0	0	3	45	0	130	0
Flathead sole	3	0	0	0	0	< 1	1
Rex sole	0	0	0	3	0	5	3
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	1	2	5	0	2	6
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	< 1	< 1	0	0	0	0	0
Other sculpins	1	< 1	< 1	< 1	7	< 1	< 1
Eelpout unident.	0	0	2	2	0	0	0
Other fish	3	6	240	< 1	0	< 1	0
Bairdi tanner crab	< 1	0	0	0	0	0	0
Golden king crab	0	0	0	0	0	< 1	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	< 1	0	0	0	0	0
Magistrate armhook squid	0	0	3	2	0	< 1	0
Sponge	10	24	< 1	< 1	32	0	< 1
Starfish	0	< 1	< 1	< 1	< 1	< 1	0
Soft coral	0	0	0	0	< 1	0	0
Stony coral unident.	0	< 1	< 1	< 1	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	0	0	< 1	0	< 1	0	0
Other invertebrate	< 1	3	14	1	< 1	0	< 1
<b>Total catch (kg)</b>	<b>211</b>	<b>682</b>	<b>340</b>	<b>1125</b>	<b>142</b>	<b>5739</b>	<b>9458</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	155	156	157	158	159	160	161
Start date & time	06/29/00 20	06/30/00 10	06/30/00 13	06/30/00 16	06/30/00 18	07/01/00 08	07/01/00 11
Start latitude	N 5155.48	N 5151.02	N 5152.23	N 5141.49	N 5133.82	N 5134.99	N 5127.57
Start longitude	E 17823.67	E 17825.94	E 17832.70	E 17815.89	E 17819.99	E 17826.57	E 17836.64
End latitude	N 5155.04	N 5150.45	N 5152.06	N 5141.62	N 5134.08	N 5135.70	N 5127.72
End longitude	E 17824.83	E 17826.75	E 17831.78	E 17814.66	E 17818.84	E 17826.26	E 17835.58
Bottom depth (m)	91	395	403	124	471	167	346
Duration (minutes)	15.6	15.6	12	15	15.6	15.6	15.6
Distance fished (km)	1.584	1.453	1.113	1.451	1.439	1.419	1.286
<b>Performance</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Atka mackerel	< 1	0	0	268	0	794	0
Pacific cod	0	0	0	102	0	459	0
Walleye pollock	0	0	0	40	1	54	0
Pacific ocean perch	0	< 1	< 1	0	0	10	378
Northern rockfish	0	0	0	110	0	< 1	0
Shortraker rockfish	0	74	108	0	52	0	40
Rougheye rockfish	0	39	87	0	0	0	44
Shortspine thornyhead	0	18	25	< 1	108	0	13
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	0	6	9	2	0	37	29
Pacific halibut	48	0	0	0	0	0	0
Northern rock sole	13	0	0	74	0	75	0
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	56	10	0	280	< 1	7
Greenland turbot	0	6	0	0	27	0	0
Flathead sole	0	0	0	6	0	2	0
Rex sole	0	0	0	< 1	5	0	0
Dover sole	0	0	0	0	3	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	22	0	5	0	12	2	< 1
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	< 1	0	0	0	0	2	0
Other sculpins	< 1	3	1	0	< 1	0	2
Eelpout unident.	0	0	1	0	6	0	0
Other fish	< 1	0	< 1	0	295	10	< 1
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	1	0	0	< 1	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	0	0	0	0	0	0
Magistrate armhook squid	0	2	< 1	0	< 1	0	2
Sponge	18	10	5	< 1	111	0	76
Starfish	< 1	< 1	< 1	< 1	< 1	0	< 1
Soft coral	< 1	< 1	0	0	4	0	< 1
Stony coral unident.	0	0	< 1	< 1	19	0	< 1
Octopus	0	0	0	0	1	0	0
Snail	< 1	0	0	0	0	0	0
Other invertebrate	4	< 1	< 1	< 1	5	0	2
<b>Total catch (kg)</b>	<b>108</b>	<b>217</b>	<b>253</b>	<b>603</b>	<b>934</b>	<b>1447</b>	<b>596</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	162	163	164	165	166	167	168
Start date & time	07/01/00 13	07/01/00 15	07/01/00 17	07/04/00 14	07/05/00 18	07/06/00 08	07/06/00 10
Start latitude	N 5129.55	N 5130.11	N 5121.96	N 5115.22	N 5158.50	N 5155.69	N 5202.04
Start longitude	E 17840.29	E 17849.25	E 17908.55	E 17915.86	E 17647.99	E 17638.44	E 17628.30
End latitude	N 5129.99	N 5129.70	N 5121.39	N 5115.18	N 5158.55	N 5155.74	N 5202.48
End longitude	E 17839.31	E 17850.26	E 17909.25	E 17914.60	E 17649.00	E 17639.52	E 17627.20
Bottom depth (m)	156	92	72	157	163	154	160
Duration (minutes)	15.6	15.6	15.6	15.6	13.8	15.6	15.6
Distance fished (km)	1.435	1.433	1.374	1.474	1.186	1.251	1.538
<b>Performance</b>	<b>0</b>	<b>5.1</b>	<b>0</b>	<b>2.4</b>	<b>5.1</b>	<b>0</b>	<b>0</b>
Atka mackerel	14	3	2	8749	193	5	0
Pacific cod	71	< 1	4	178	51	191	84
Walleye pollock	0	0	0	8	92	0	0
Pacific ocean perch	166	< 1	0	293	613	67	0
Northern rockfish	1939	99	26	17	10348	3	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	4	2	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	3	< 1	< 1	9	3	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	0	< 1	0	6	0	0	0
Pacific halibut	0	2	0	0	0	0	16
Northern rock sole	13	7	11	14	0	0	0
Southern rock sole	0	0	< 1	0	0	0	0
Kamchatka flounder	0	0	0	0	0	0	0
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	0	0	< 1	0	0	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	< 1	< 1	0	2	0	< 1	4
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	< 1	0	4	0	0	0
Other sculpins	< 1	< 1	0	0	0	< 1	< 1
Eelpout unident.	0	0	0	0	0	0	0
Other fish	24	0	0	86	3	1	< 1
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	0	0	0	3
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	0	0	0	0	< 1	< 1
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	9	3	< 1	< 1	0	51	55
Starfish	< 1	< 1	< 1	< 1	0	< 1	1
Soft coral	0	< 1	0	0	0	0	0
Stony coral unident.	0	0	< 1	0	0	0	< 1
Octopus	2	0	0	< 1	0	0	0
Snail	< 1	< 1	0	0	0	< 1	0
Other invertebrate	< 1	< 1	< 1	< 1	< 1	3	6
<b>Total catch (kg)</b>	<b>2243</b>	<b>117</b>	<b>44</b>	<b>9367</b>	<b>11307</b>	<b>325</b>	<b>170</b>



Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	169	170	171	172	173	174	175
Start date & time	07/06/00 12	07/06/00 14	07/06/00 16	07/06/00 17	07/07/00 08	07/07/00 11	07/07/00 15
Start latitude	N 5207.83	N 5207.46	N 5210.79	N 5212.38	N 5220.62	N 5212.16	N 5211.65
Start longitude	E 17615.41	E 17617.92	E 17618.95	E 17612.32	E 17622.79	E 17612.67	E 17606.76
End latitude	N 5208.26	N 5207.86	N 5210.78	N 5212.39	N 5221.22	N 5211.73	N 5211.44
End longitude	E 17614.57	E 17617.07	E 17619.90	E 17612.33	E 17622.09	E 17613.60	E 17607.57
Bottom depth (m)	125	116	91	90	227	94	153
Duration (minutes)	13.8	12	15.6	6	15.6	15	12
Distance fished (km)	1.273	1.245	1.085	0.432	1.444	1.361	1.02
Performance	-2.4	0	0	-1.12	0	0	5.1
Atka mackerel	0	< 1	< 1	257	< 1	12274	< 1
Pacific cod	9	30	27	52	0	552	31
Walleye pollock	0	< 1	0	0	113	0	0
Pacific ocean perch	0	0	0	0	1925	4	9
Northern rockfish	124	92	2	36	0	472	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	1	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	0	0	0	0	< 1	0	0
Pacific halibut	0	7	21	0	20	0	0
Northern rock sole	0	< 1	14	1	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	0	0	0	4	0	0
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	0	0	0	0	0	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	10	0	0	0	0	15	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	2	2	0	0	< 1	0
Other sculpins	< 1	0	0	0	7	< 1	< 1
Eelpout unident.	0	0	0	0	0	0	0
Other fish	3	< 1	0	0	2	5	4
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	1	0	0	< 1	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	< 1	0	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	2	7	< 1	55	50	48	3
Starfish	2	2	< 1	< 1	< 1	< 1	< 1
Soft coral	0	0	0	< 1	< 1	2	0
Stony coral unident.	< 1	< 1	< 1	4	3	< 1	< 1
Octopus	0	0	0	0	0	0	0
Snail	< 1	< 1	0	< 1	< 1	0	0
Other invertebrate	2	9	< 1	< 1	3	13	2
Total catch (kg)	151	152	69	406	2130	13388	50

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	176	177	178	179	180	181	182
Start date & time	07/07/00 17	07/08/00 08	07/08/00 11	07/08/00 14	07/08/00 16	07/09/00 08	07/09/00 11
Start latitude	N 5206.02	N 5153.75	N 5151.15	N 5138.83	N 5141.89	N 5218.90	N 5226.20
Start longitude	E 17600.20	E 17554.20	E 17550.57	E 17538.77	E 17532.61	E 17548.93	E 17540.66
End latitude	N 5206.26	N 5153.77	N 5151.24	N 5138.33	N 5141.23	N 5219.64	N 5225.79
End longitude	E 17601.25	E 17555.47	E 17551.80	E 17539.68	E 17533.21	E 17548.58	E 17541.64
Bottom depth (m)	177	183	96	181	189	214	161
Duration (minutes)	15.6	15.6	16.2	15.6	15.6	16.2	15.6
Distance fished (km)	1.457	1.463	1.435	1.457	1.457	1.496	1.443
Performance	0	0	0	1.11	0	0	5.1
Atka mackerel	83	< 1	< 1	2	2	3	2
Pacific cod	0	0	0	0	0	46	106
Walleye pollock	0	256	0	38	0	4	0
Pacific ocean perch	3597	3958	2	34	< 1	425	0
Northern rockfish	1722	0	342	9	< 1	0	0
Shortraker rockfish	0	0	0	0	0	< 1	0
Rougheye rockfish	0	0	0	0	0	0	0
Shortspine thornyhead	0	0	0	0	2	3	0
Light dusky rockfish	3	0	0	0	0	0	0
Other rockfish	< 1	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	6	96	< 1	3	< 1	8	0
Pacific halibut	0	0	0	0	0	0	0
Northern rock sole	0	13	11	0	< 1	0	15
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	89	0	3	0	0	0
Greenland turbot	0	0	0	0	9	0	0
Flathead sole	0	3	0	7	0	0	0
Rex sole	0	17	3	2	< 1	0	0
Dover sole	< 1	3	0	< 1	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	28	2	36	< 1	< 1	35	28
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	2	< 1	0	0	0
Other sculpins	9	8	< 1	10	5	8	0
Eelpout unident.	0	0	0	0	0	0	0
Other fish	50	6	0	13	1	< 1	< 1
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	4	0	0	0	0	6	4
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	< 1	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	35	< 1	< 1	2	11	473	< 1
Starfish	2	< 1	0	< 1	< 1	5	< 1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	< 1	< 1	0	< 1	0	15	2
Octopus	0	0	0	0	3	< 1	0
Snail	< 1	< 1	0	< 1	0	0	0
Other invertebrate	5	4	< 1	1	2	10	< 1
<b>Total catch (kg)</b>	<b>5545</b>	<b>4458</b>	<b>396</b>	<b>125</b>	<b>39</b>	<b>1043</b>	<b>159</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	183	184	185	186	187	188	189
Start date & time	07/09/00 16	07/09/00 20	07/10/00 08	07/10/00 11	07/10/00 15	07/10/00 19	07/11/00 08
Start latitude	N 5214.63	N 5211.14	N 5210.78	N 5204.62	N 5204.99	N 5230.36	N 5228.59
Start longitude	E 17514.51	E 17515.25	E 17510.52	E 17511.27	E 17506.95	E 17426.21	E 17422.18
End latitude	N 5214.17	N 5211.45	N 5210.26	N 5205.10	N 5204.34	N 5229.97	N 5228.010
End longitude	E 17514.78	E 17516.37	E 17509.33	E 17512.23	E 17505.86	E 17425.11	E 17421.22
Bottom depth (m)	144	213	172	336	386	231	227
Duration (minutes)	10.8	15.6	16.2	15.6	22.2	16.2	16.2
Distance fished (km)	0.932	1.42	1.717	1.448	1.812	1.464	1.469
<b>Performance</b>	<b>5.1</b>	<b>0</b>	<b>5.41</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Atka mackerel	< 1	< 1	2	0	0	0	0
Pacific cod	3	0	19	0	0	0	8
Walleye pollock	2	1	< 1	3	0	0	1
Pacific ocean perch	36	237	4	28	18	0	29
Northern rockfish	9	0	0	0	0	0	0
Shortraker rockfish	0	0	0	2	6	0	0
Rougheye rockfish	1	0	0	4	1	0	0
Shortspine thornyhead	0	0	0	27	36	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	1	11	51	0	0	70	235
Pacific halibut	0	0	4	0	0	0	0
Northern rock sole	< 1	3	11	0	0	< 1	6
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	0	0	12	17	3	4
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	68	60
Rex sole	0	2	< 1	0	< 1	20	58
Dover sole	0	0	0	< 1	0	0	< 1
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	0	0	0	0	0	5
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	0	0	0	0
Other sculpins	< 1	1	5	2	< 1	< 1	< 1
Eelpout unident.	0	0	0	0	0	0	0
Other fish	7	< 1	< 1	0	< 1	0	< 1
Bairdi tanner crab	0	0	0	0	0	0	< 1
Golden king crab	0	0	0	0	0	0	< 1
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	2	5	< 1	0
Sponge	369	87	24	28	109	0	2
Starfish	2	< 1	< 1	< 1	< 1	0	< 1
Soft coral	< 1	< 1	0	0	< 1	< 1	< 1
Stony coral unident.	75	5	0	4	3	0	4
Octopus	0	0	0	0	0	0	0
Snail	< 1	0	0	0	0	0	< 1
Other invertebrate	5	< 1	2	< 1	< 1	0	< 1
<b>Total catch (kg)</b>	<b>511</b>	<b>349</b>	<b>124</b>	<b>113</b>	<b>197</b>	<b>162</b>	<b>415</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	190	191	192	193	194	195	196
Start date & time	07/11/00 11	07/12/00 08	07/12/00 10	07/12/00 12	07/12/00 14	07/12/00 14	07/12/00 16
Start latitude	N 5226.89	N 5226.54	N 5228.26	N 5223.50	N 5223.74	N 5223.82	N 5230.77
Start longitude	E 17418.73	E 17416.21	E 17413.67	E 17409.83	E 17358.72	E 17358.72	E 17405.58
End latitude	N 5226.28	N 5225.89	N 5227.69	N 5222.94	N 5223.45	N 5223.08	N 5231.02
End longitude	E 17417.66	E 17415.46	E 17412.80	E 17408.93	E 17358.68	E 17358.65	E 17404.37
Bottom depth (m)	224	172	117	156	118	120	121
Duration (minutes)	18.6	16.2	15.6	16.2	7.2	15.6	15.6
Distance fished (km)	1.725	1.528	1.477	1.503	0.56	1.402	1.471
<b>Performance</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-5.23</b>	<b>0</b>	<b>0</b>
Atka mackerel	0	0	< 1	0	0	0	0
Pacific cod	18	102	3	0	0	0	0
Walleye pollock	< 1	0	3	0	0	< 1	< 1
Pacific ocean perch	< 1	0	< 1	< 1	0	0	0
Northern rockfish	1	0	< 1	2	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	317	402	1	5	< 1	5	14
Pacific halibut	9	14	14	34	12	0	11
Northern rock sole	2	10	8	33	12	62	53
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	1	4	0	< 1	0	< 1	< 1
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	16	1	0	0	0	< 1	< 1
Rex sole	2	2	0	0	0	0	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	41	< 1	0	0	0	0	12
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	2	< 1	0	< 1	< 1
Other sculpins	< 1	4	0	< 1	0	2	9
Eelpout unident.	0	0	0	0	0	0	0
Other fish	< 1	< 1	< 1	< 1	0	< 1	< 1
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	1	2	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	< 1	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	< 1	0	0	< 1	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	43	3	< 1	5	< 1	< 1	< 1
Starfish	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Soft coral	< 1	0	140	0	0	0	0
Stony coral unident.	< 1	0	< 1	0	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	0	0	< 1	0	< 1	0	< 1
Other invertebrate	< 1	< 1	23	< 1	1	2	2
<b>Total catch (kg)</b>	<b>455</b>	<b>544</b>	<b>196</b>	<b>82</b>	<b>26</b>	<b>73</b>	<b>103</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	197	198	199	200	201	202	203
Start date & time	07/12/00 18	07/12/00 20	07/13/00 14	07/13/00 17	07/13/00 20	07/14/00 09	07/14/00 11
Start latitude	N 5234.89	N 5239.44	N 5302.06	N 5305.00	N 5259.26	N 5317.19	N 5315.64
Start longitude	E 17420.05	E 17352.94	E 17311.36	E 17242.34	E 17218.23	E 17043.33	E 17050.57
End latitude	N 5235.13	N 5239.50	N 5301.67	N 5305.55	N 5259.84	N 5317.53	N 5315.98
End longitude	E 17418.89	E 17351.73	E 17312.43	E 17243.26	E 17219.57	E 17042.20	E 17049.36
Bottom depth (m)	96	85	135	124	174	264	176
Duration (minutes)	15.6	15.6	15.6	15.6	19.2	16.2	16.2
Distance fished (km)	1.392	1.39	1.427	1.49	1.884	1.436	1.503
<b>Performance</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Atka mackerel	0	0	0	< 1	0	0	2
Pacific cod	0	848	6	96	22	0	0
Walleye pollock	0	0	8	0	0	5	4
Pacific ocean perch	0	0	68	0	0	1490	181
Northern rockfish	0	0	25	0	0	0	891
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	82	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	0	0	4	0	2	0	0
Pacific halibut	7	8	0	44	215	0	0
Northern rock sole	2	161	0	0	0	0	< 1
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	0	0	1	0	< 1	0	1
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	< 1	0	0	0	2
Rex sole	0	0	0	0	0	5	2
Dover sole	0	0	0	0	0	< 1	< 1
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	13	28	< 1	0	< 1	8	75
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	2	0	0	0	0	0
Other sculpins	0	2	0	< 1	5	1	< 1
Eelpout unident.	0	0	0	0	0	0	0
Other fish	98	0	< 1	< 1	0	0	20
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	0	< 1	0	< 1	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	< 1	< 1	0	0	0
Magistrate armhook squid	0	0	0	0	0	69	0
Sponge	1	8	4	32	548	13	5
Starfish	< 1	< 1	< 1	< 1	4	< 1	< 1
Soft coral	0	< 1	0	0	< 1	0	0
Stony coral unident.	0	0	0	< 1	0	0	0
Octopus	0	0	0	0	< 1	0	0
Snail	0	0	< 1	< 1	< 1	0	< 1
Other invertebrate	1	1	1	12	21	< 1	< 1
<b>Total catch (kg)</b>	<b>123</b>	<b>1058</b>	<b>119</b>	<b>184</b>	<b>817</b>	<b>1674</b>	<b>1186</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	204	205	206	207	208	209	210
Start date & time	07/14/00 14	07/14/00 16	07/14/00 19	07/15/00 10	07/15/00 14	07/15/00 16	07/16/00 09
Start latitude	N 5309.20	N 5307.88	N 5258.91	N 5254.50	N 5254.73	N 5255.93	N 5256.53
Start longitude	E 17052.00	E 17054.51	E 17056.47	E 17048.01	E 17048.80	E 17058.42	E 17210.23
End latitude	N 5309.72	N 5308.35	N 5259.22	N 5254.46	N 5254.74	N 5256.22	N 5257.17
End longitude	E 17051.13	E 17053.50	E 17055.39	E 17048.90	E 17049.66	E 17059.03	E 17209.52
Bottom depth (m)	131	120	153	222	187	186	404
Duration (minutes)	15.6	16.2	16.2	10.8	10.2	10.8	15.6
Distance fished (km)	1.37	1.447	1.365	1.013	0.987	0.896	1.46
<b>Performance</b>	<b>0</b>	<b>0</b>	<b>5.1</b>	<b>5.1</b>	<b>0</b>	<b>4.4</b>	<b>0</b>
Atka mackerel	48	27	5366	1404	2014	2834	0
Pacific cod	0	0	0	0	0	0	0
Walleye pollock	< 1	1	0	3	1	8	0
Pacific ocean perch	0	1	3	1517	3	6749	0
Northern rockfish	522	148	92	0	10	0	0
Shortraker rockfish	0	0	0	0	0	0	4
Rougheye rockfish	0	0	0	0	0	0	1
Shortspine thornyhead	3	0	0	16	< 1	0	79
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	3
Arrowtooth flounder	< 1	0	0	0	0	0	19
Pacific halibut	0	0	0	0	0	0	0
Northern rock sole	11	11	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	< 1	0	0	0	0	0	210
Greenland turbot	0	0	0	0	0	0	31
Flathead sole	14	8	0	0	0	0	0
Rex sole	3	6	0	0	0	0	4
Dover sole	2	< 1	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	118	157	42	35	78	78	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	0	0	0	0
Other sculpins	< 1	2	3	3	2	< 1	0
Eelpout unident.	0	0	0	0	2	0	0
Other fish	< 1	15	21	102	27	139	43
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	2	0	0	0	0	0
Northern shrimp	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	< 1	0	0	9
Sponge	1	3	4	3	< 1	< 1	21
Starfish	< 1	< 1	< 1	< 1	0	< 1	< 1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	< 1	0	< 1	< 1	0	0	0
Other invertebrate	< 1	< 1	< 1	< 1	< 1	< 1	< 1
<b>Total catch (kg)</b>	<b>723</b>	<b>381</b>	<b>5532</b>	<b>3084</b>	<b>2138</b>	<b>9809</b>	<b>424</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	211	212	213	214	215	216	217
Start date & time	07/16/00 12	07/16/00 15	07/16/00 17	07/17/00 09	07/17/00 11	07/17/00 14	07/17/00 16
Start latitude	N 5256.00	N 5257.53	N 5251.97	N 5251.62	N 5250.51	N 5239.54	N 5237.61
Start longitude	E 17213.50	E 17216.57	E 17221.78	E 17227.15	E 17224.71	E 17241.50	E 17248.62
End latitude	N 5256.51	N 5256.80	N 5252.29	N 5251.91	N 5250.74	N 5240.03	N 5238.21
End longitude	E 17213.19	E 17216.34	E 17220.54	E 17225.97	E 17223.32	E 17240.46	E 17247.60
Bottom depth (m)	277	209	174	149	224	411	236
Duration (minutes)	11.4	16.2	15.6	15.6	16.8	15.6	16.2
Distance fished (km)	1.028	1.446	1.534	1.444	1.643	1.514	1.51
<b>Performance</b>	<b>4.4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Atka mackerel	5	5	2	11	2	0	0
Pacific cod	0	107	1338	49	37	0	74
Walleye pollock	1	0	< 1	0	158	0	5
Pacific ocean perch	8797	0	0	0	134	0	1254
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	12	0
Rougheye rockfish	0	0	0	0	0	5	< 1
Shortspine thornyhead	5	0	0	0	0	86	4
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	41	58	35	55	62	8	87
Pacific halibut	0	0	0	0	21	0	0
Northern rock sole	0	0	9	32	0	0	4
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	< 1	7	0	2	5	4	9
Greenland turbot	14	0	0	0	0	18	0
Flathead sole	< 1	0	0	7	9	0	0
Rex sole	3	0	0	0	0	6	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	0	0	0	19	0	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	0	0	0	0	0	0	0
Other sculpins	0	< 1	< 1	0	< 1	< 1	< 1
Eelpout unident.	0	0	0	0	0	< 1	0
Other fish	0	0	0	< 1	2	67	6
Bairdi tanner crab	0	0	0	0	0	0	0
Golden king crab	< 1	0	2	0	3	0	4
Red king crab	0	0	0	0	0	0	0
Northern shrimp	0	< 1	0	0	< 1	0	< 1
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	2	0	0	0	0	5	< 1
Sponge	2	130	3	0	1	7	27
Starfish	0	< 1	< 1	< 1	< 1	< 1	1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	< 1	0	< 1	0	0	0
Snail	0	0	0	0	< 1	0	0
Other invertebrate	0	< 1	< 1	< 1	< 1	< 1	2
<b>Total catch (kg)</b>	<b>8871</b>	<b>308</b>	<b>1388</b>	<b>174</b>	<b>434</b>	<b>219</b>	<b>1476</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	218	219	220	221	222	223	224
Start date & time	07/17/00 19	07/18/00 09	07/18/00 12	07/18/00 13	07/18/00 16	07/18/00 18	07/19/00 10
Start latitude	N 5235.88	N 5230.66	N 5228.86	N 5227.93	N 5220.48	N 5213.92	N 5210.64
Start longitude	E 17254.91	E 17256.90	E 17311.16	E 17323.57	E 17331.53	E 17325.97	E 17341.61
End latitude	N 5235.30	N 5229.86	N 5228.03	N 5227.61	N 5220.06	N 5213.71	N 5210.90
End longitude	E 17255.72	E 17257.01	E 17311.41	E 17322.19	E 17330.19	E 17327.14	E 17340.44
Bottom depth (m)	151	181	118	163	87	179	175
Duration (minutes)	15.6	15.6	15.6	16.2	15.6	15.6	15.6
Distance fished (km)	1.444	1.556	1.61	1.687	1.736	1.426	1.442
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	< 1	< 1	0	0	0
Pacific cod	0	67	0	73	< 1	100	36
Walleye pollock	0	3	< 1	226	< 1	0	< 1
Pacific ocean perch	< 1	1807	0	0	0	12	2
Northern rockfish	2	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	0	0	0
Shortspine thornyhead	< 1	0	0	0	0	0	0
Light dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	3	158	70	161	< 1	72	32
Pacific halibut	0	0	18	0	12	0	11
Northern rock sole	1	< 1	33	51	27	19	76
Southern rock sole	0	0	0	0	0	0	0
Kamchatka flounder	1	8	< 1	7	0	13	15
Greenland turbot	0	0	0	0	0	0	0
Flathead sole	0	0	20	92	0	10	20
Rex sole	0	0	< 1	2	0	0	13
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
English sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Skate unident.	164	14	0	< 1	< 1	5	10
Shark unident.	0	0	0	0	0	0	0
Yellow Irish Lord	3	0	0	0	0	0	0
Other sculpins	< 1	< 1	0	0	0	0	0
Eelpout unident.	0	0	0	0	0	0	0
Other fish	2	0	< 1	< 1	0	< 1	< 1
Bairdi tanner crab	0	0	0	< 1	0	0	0
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	< 1	0	0	0	0	0	< 1
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	0	< 1	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	18	1	< 1	< 1	< 1	< 1	< 1
Starfish	2	< 1	< 1	< 1	< 1	< 1	< 1
Soft coral	28	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	< 1	0	< 1	0	0	0	< 1
Other invertebrate	5	< 1	1	3	< 1	3	< 1
<b>Total catch (kg)</b>	<b>230</b>	<b>2060</b>	<b>146</b>	<b>618</b>	<b>41</b>	<b>235</b>	<b>216</b>



Fishing Log: FV *Dominator*, Cruise 2000-01.

Haul number	225	226	227	228
Start date & time	07/19/00 19	07/20/00 12	07/20/00 16	07/22/00 10
Start latitude	N 5222.09	N 5157.83	N 5158.38	N 5215.66
Start longitude	E 17535.97	E 17601.73	E 17605.05	W 17252.79
End latitude	N 5221.25	N 5157.35	N 5159.05	N 5215.45
End longitude	E 17534.38	E 17600.63	E 17605.72	W 17251.47
Bottom depth (m)	622	71	85	167
Duration (minutes)	19.8	16.2	17.4	15.6
Distance fished (km)	2	1.566	1.334	1.566
<b>Performance</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Atka mackerel	0	164	1814	0
Pacific cod	0	38	19	404
Walleye pollock	0	0	6	973
Pacific ocean perch	0	0	0	0
Northern rockfish	0	1137	2064	0
Shortraker rockfish	7	0	0	0
Rougheye rockfish	0	0	0	0
Shortspine thornyhead	33	0	0	0
Light dusky rockfish	0	5	2	0
Other rockfish	0	16	< 1	0
Sablefish	33	0	0	0
Arrowtooth flounder	0	0	17	66
Pacific halibut	0	0	0	14
Northern rock sole	0	31	29	4
Southern rock sole	0	0	0	0
Kamchatka flounder	42	0	0	9
Greenland turbot	48	0	0	3
Flathead sole	0	0	0	0
Rex sole	0	0	39	0
Dover sole	0	0	< 1	0
Yellowfin sole	0	0	0	0
English sole	0	0	0	0
Other flatfish	0	0	0	0
Skate unident.	1	35	29	25
Shark unident.	0	0	0	0
Yellow Irish Lord	0	6	21	< 1
Other sculpins	0	0	1	< 1
Eelpout unident.	0	0	0	0
Other fish	470	30	9	< 1
Bairdi tanner crab	0	0	0	0
Golden king crab	< 1	0	0	0
Red king crab	0	0	0	0
Northern shrimp	0	0	0	0
Sidestripe shrimp	0	0	0	0
Scallop unident.	0	3	0	< 1
Magistrate armhook squid	0	0	0	< 1
Sponge	5	26	52	< 1
Starfish	0	1	< 1	< 1
Soft coral	0	0	0	< 1
Stony coral unident.	0	0	< 1	< 1
Octopus	0	0	0	0
Snail	0	< 1	0	< 1
Other invertebrate	< 1	4	8	2
<b>Total catch (kg)</b>	<b>639</b>	<b>1498</b>	<b>4113</b>	<b>1501</b>

Fishing Log: FV *Dominator*, Cruise 2000-01.

The following haul had no catch:

Haul number	88
Start date & time	06/12/00 18
Start latitude	N 5157.88
Start longitude	W 17351.70
End latitude	N 5157.74
End longitude	W 17350.70
Gear depth (m)	81
Duration (minutes)	15.6
Distance fished (km)	1.197
Performance	-2.4

### Section 3

## Ranked Catch Per Unit Effort by Species or Species Group

- The summary listings of catch rates for selected species are presented as kilograms of catch per hectare (kg/ha) trawled.
- Average individual animal weight (kg).
- Vessel codes (23 = Dominator and 94 = Vesteraalen)
- Average bottom depth is in meters



Principal species CPUE and average individual weight by vessel, haul, and depth during the NMFS 2000 biennial Aleutian Islands bottom trawl survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Atka mackerel	14,646	0.78	94	169	165	389	0.09	23	133	91
	7,060	0.79	94	124	155	375	0.89	23	172	90
	5,725	0.87	23	174	94	368	0.85	23	160	167
	4,322	0.74	23	139	150	184	0.58	94	184	92
	3,596	0.74	23	165	157	182	1.72	23	5	96
	2,445	0.18	23	206	153	127	0.84	23	158	124
	2,324	0.57	23	209	186	115	0.90	23	166	163
	2,308	0.74	94	122	173	114	0.80	94	168	206
	2,039	0.74	23	122	144	96	0.93	94	200	90
	1,341	0.58	23	208	187	96	0.76	23	145	94
	1,322	0.73	94	142	158	84	0.67	94	118	93
	1,221	0.75	94	126	118	73	0.52	94	224	236
	1,064	0.79	94	167	177	64	0.16	23	226	71
	906	0.58	23	207	222	44	1.05	23	70	165
	877	0.34	23	227	85	35	0.63	23	176	177
	850	0.81	23	117	177	32	0.45	94	222	114
	813	0.75	94	170	139	30	1.13	23	71	144
	617	0.54	94	157	92	26	0.41	94	185	84
	606	0.57	94	223	212	21	0.09	23	204	131
	502	0.82	94	146	93					
Pacific cod	554	2.40	23	213	174	73	4.69	23	165	157
	473	4.76	94	170	139	72	6.10	94	180	150
	380	2.44	23	198	85	71	4.59	23	82	240
	374	4.40	23	70	165	69	5.40	23	81	210
	358	3.80	23	75	162	67	3.59	94	206	209
	338	5.51	23	39	154	67	6.92	94	176	162
	323	6.18	23	71	144	64	4.07	23	76	234
	312	6.30	23	154	207	59	9.14	94	225	97
	295	2.66	23	113	56	58	2.45	94	125	197
	258	8.91	23	174	94	56	3.00	94	203	158
	232	6.11	94	158	211	55	3.29	94	70	222
	213	4.64	23	160	167	54	2.92	23	7	115
	194	1.16	23	103	107	51	4.63	23	139	150
	188	1.84	23	98	191	50	3.36	23	77	227
	171	4.75	23	228	167	49	3.05	23	212	209
	161	4.65	94	7	85	48	4.41	94	117	128
	140	3.73	23	122	144	48	4.62	23	158	124
	138	6.61	94	146	93	47	5.91	23	182	161
	138	9.41	94	182	146	45	4.63	94	44	260
	119	4.18	23	72	145	45	2.87	23	223	179
	113	5.61	23	5	96	44	1.90	94	96	140
	103	2.77	94	209	176	43	3.02	94	214	214
	103	8.06	94	183	144	43	5.86	94	177	155
	100	4.08	23	153	259	42	1.75	94	89	146
	99	5.11	94	169	165	41	0.64	94	95	89
	96	4.33	23	167	154	41	9.57	23	200	124
	94	2.69	94	100	215	41	3.25	23	46	130
	88	4.61	23	133	91	40	2.98	94	162	178
	82	4.38	94	53	254	40	2.37	23	191	172
	76	6.06	94	148	171	38	2.65	94	99	214
76	3.76	94	124	155	37	2.85	94	208	185	
76	7.50	23	172	90	36	1.86	94	6	93	

Principal species CPUE and average individual weight by vessel, haul, and depth during the NMFS 2000 biennial Aleutian Islands bottom trawl survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	
Pacific cod	35	3.81	94	39	218	27	3.66	23	221	163	
	35	2.53	94	198	261	27	2.57	23	219	181	
	35	4.90	94	181	224	27	4.43	23	80	209	
	34	7.50	94	160	92	27	3.58	23	127	142	
	33	4.85	94	152	239	26	1.96	94	24	116	
	33	2.42	94	128	250	25	3.29	94	72	202	
	33	3.05	23	3	117	25	2.23	94	194	185	
	33	2.97	23	162	156	25	1.96	23	107	241	
	31	1.82	94	54	138	25	4.72	23	135	135	
	31	1.97	94	3	131	24	3.59	94	49	260	
	31	3.81	23	168	160	24	2.30	23	32	257	
	31	5.71	23	166	163	23	1.52	94	90	144	
	31	4.50	23	21	64	22	2.81	23	35	222	
	29	1.90	94	98	219	22	2.86	23	214	149	
	29	3.70	94	50	215	21	1.75	94	127	83	
	29	3.35	23	217	236	21	2.82	94	207	213	
	28	2.96	94	61	130	21	1.77	23	22	161	
	28	4.50	94	47	155	21	1.78	23	116	233	
	28	2.24	94	167	177	20	4.13	94	159	148	
	28	2.43	23	26	107	20	2.00	94	150	112	
	28	2.84	23	138	231	20	3.43	94	68	166	
	27	2.59	94	21	90	20	2.37	23	125	321	
	27	5.17	94	142	158	20	7.85	23	175	153	
	Walleye pollock	3,089	1.65	23	138	231	114	1.42	23	66	255
		1,851	0.90	23	107	241	110	1.47	23	177	183
		1,186	1.42	23	69	223	100	1.27	23	67	266
		1,075	1.32	23	154	207	83	0.47	23	221	163
954		0.90	23	3	117	80	0.90	94	13	123	
893		1.32	94	168	206	80	1.34	94	12	208	
618		1.48	23	153	259	66	0.87	23	215	224	
561		1.18	94	15	159	64	0.94	94	59	171	
453		0.66	94	7	85	54	1.19	23	166	163	
411		1.51	23	228	167	51	1.36	23	173	227	
385		0.87	23	106	233	48	1.28	94	179	236	
340		1.36	94	152	239	48	1.01	94	186	153	
324		1.47	94	6	93	48	1.22	23	141	272	
285		1.56	94	181	224	46	1.12	94	138	154	
282		0.77	23	7	115	45	1.27	94	139	261	
250		0.76	23	16	85	45	1.67	23	120	370	
219		1.61	23	53	277	43	1.43	23	28	309	
197		1.39	23	76	234	39	1.13	23	149	238	
194		0.93	23	59	252	38	1.34	94	130	173	
172		1.25	94	158	211	38	1.26	23	11	295	
159		0.86	94	1	124	37	1.24	94	61	130	
155		1.19	23	143	241	37	1.30	23	68	248	
146		1.29	94	9	162	33	1.21	94	18	338	
144		0.98	94	14	148	32	0.85	94	16	132	
141		1.25	94	143	245	32	1.23	94	8	240	
139		1.67	23	121	349	32	1.19	23	142	175	
137		0.80	94	3	131	31	1.23	94	11	269	
134	1.03	94	142	158	29	1.27	94	34	323		
131	1.61	23	119	278	28	1.13	94	188	242		

Principal species CPUE and average individual weight by vessel, haul, and depth during the NMFS 2000 biennial Aleutian Islands bottom trawl survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	
Walleye	27	1.49	94	56	350	24	1.49	23	65	257	
	pollock	27	0.78	23	8	90	23	1.44	23	74	366
		26	1.20	23	77	227	23	0.81	23	2	137
		25	1.49	94	30	117	21	1.49	94	65	298
		25	1.08	23	160	167	21	1.46	23	125	321
		25	1.24	23	40	232	20	1.13	94	5	278
Pacific ocean perch	6,645	0.77	94	152	239	250	0.78	94	133	251	
	5,657	0.59	23	211	277	250	0.72	94	92	187	
	5,533	0.86	23	209	186	246	0.73	94	212	248	
	3,390	0.67	94	191	269	244	0.85	94	72	202	
	3,089	0.67	94	168	206	244	0.70	94	189	250	
	2,707	0.61	94	202	232	237	0.50	23	65	257	
	2,435	0.75	23	154	207	215	0.80	94	99	214	
	2,037	0.95	94	181	224	209	1.00	94	134	249	
	1,724	1.09	23	76	234	203	0.63	23	149	238	
	1,698	0.81	23	177	183	199	0.69	23	161	346	
	1,672	0.64	23	59	252	172	0.46	23	181	214	
	1,515	0.58	23	176	177	164	0.73	94	180	150	
	1,385	0.73	23	68	248	164	0.65	94	166	217	
	1,285	0.60	23	107	241	160	0.63	94	88	264	
	1,171	0.56	94	207	213	151	0.76	94	100	215	
	1,110	0.60	23	67	266	151	0.85	23	36	221	
	1,083	1.06	23	153	259	146	0.91	23	98	191	
	1,079	0.91	23	138	231	123	0.59	94	223	212	
	1,024	0.25	94	47	155	123	0.98	23	96	264	
	979	0.49	23	207	222	120	0.66	23	165	157	
	941	0.54	23	66	255	119	0.19	94	62	199	
	908	0.70	94	186	153	117	0.31	94	182	146	
	866	0.91	23	173	227	112	0.14	94	132	219	
	730	0.64	94	179	236	109	0.28	23	60	233	
	723	0.48	23	219	181	109	0.70	23	184	213	
	657	0.69	94	148	171	105	0.83	23	50	231	
	629	0.61	23	202	264	97	0.78	94	188	242	
	603	0.78	94	120	285	91	0.44	23	85	234	
	543	0.75	94	31	275	80	0.65	23	51	329	
	501	0.61	23	217	236	78	0.28	23	162	156	
489	0.61	23	49	237	77	0.47	23	106	233		
456	0.86	23	28	309	75	0.62	94	52	309		
435	0.77	94	129	212	72	0.16	23	203	176		
434	0.41	94	176	162	68	0.26	94	177	155		
416	0.82	94	65	298	62	0.59	23	83	325		
407	0.36	94	170	139	56	1.05	23	78	213		
372	0.78	23	129	278	56	0.70	23	215	224		
364	0.24	23	166	163	54	1.12	23	77	227		
354	0.79	94	158	211	51	0.17	94	87	165		
336	0.65	94	165	216	49	0.34	94	174	162		
323	0.57	94	173	271	49	0.07	94	219	136		
322	0.90	94	12	208	47	0.19	94	149	133		
289	0.68	94	164	217	47	0.82	23	92	320		
258	0.66	94	53	254	45	0.81	23	93	257		
257	0.75	94	40	225	44	0.89	94	11	269		
253	0.76	23	33	218	44	0.60	23	82	240		

Principal species CPUE and average individual weight by vessel, haul, and depth during the NMFS 2000 biennial Aleutian Islands bottom trawl survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	
Pacific ocean perch	43	0.29	94	81	205	26	0.65	94	39	218	
	43	0.24	23	139	150	25	0.57	94	162	178	
	43	0.92	23	97	283	24	0.36	23	61	238	
	42	0.89	23	44	253	24	0.08	23	183	144	
	39	0.12	94	63	209	23	0.11	94	89	146	
	35	0.57	94	128	250	23	0.85	23	53	277	
	34	0.80	94	8	240	22	0.65	23	141	272	
	34	0.29	23	167	154	21	0.65	94	139	261	
	33	0.69	94	190	222	21	0.97	23	95	273	
	33	0.81	23	125	321	20	0.61	94	224	236	
	30	0.17	23	199	135	20	0.98	23	119	278	
	28	0.81	94	34	323	20	0.23	23	63	212	
	Northern rockfish	6,153	0.46	23	166	163	140	0.19	94	219	136
		4,678	0.58	94	182	146	114	1.04	94	72	202
1,113		0.32	94	184	92	96	0.32	94	220	170	
998		0.39	23	227	85	86	0.59	94	186	153	
913		0.64	94	117	128	76	0.54	94	167	177	
911		0.50	23	162	156	71	0.48	23	139	150	
772		0.87	94	47	155	65	0.33	23	205	120	
750		0.26	94	146	93	60	0.55	23	169	125	
725		0.47	23	176	177	52	0.50	23	158	124	
447		0.32	23	226	71	52	0.50	23	172	90	
439		0.46	94	142	158	51	0.18	23	148	84	
405		0.84	94	62	199	46	0.36	23	163	92	
371		0.34	94	185	84	43	0.50	23	170	116	
354		0.35	23	203	176	42	0.42	94	174	162	
346		0.38	94	149	133	42	0.46	23	206	153	
227		0.32	23	204	131	33	0.68	23	71	144	
220		0.53	23	174	94	30	0.50	94	159	148	
197	0.51	94	170	139	30	0.43	23	146	107		
171	0.25	94	222	114	28	0.39	94	141	108		
157	0.48	23	178	96							
Shortraker rockfish	668	3.11	94	218	400	36	1.97	23	79	386	
	125	1.65	23	123	375	33	2.24	23	156	395	
	109	4.05	23	153	259	30	2.15	23	121	349	
	105	1.71	94	119	395	27	2.06	94	79	412	
	75	1.28	23	86	325	23	13.33	23	28	309	
	64	1.63	94	114	365	22	1.21	94	35	439	
	63	3.18	23	157	403	21	2.03	23	84	382	
	45	1.64	23	125	321	21	1.75	23	161	346	
	40	1.68	23	128	397	21	1.37	23	159	471	
	37	2.75	94	71	361						
Rougheye rockfish	495	1.76	23	153	259	27	1.20	23	125	321	
	103	1.43	94	151	330	24	1.57	23	51	329	
	99	1.66	94	152	239	23	1.61	94	46	403	
	51	1.58	23	157	403	23	1.74	94	181	224	
	42	1.37	94	114	365	23	1.25	23	161	346	
	29	0.98	23	86	325	20	1.33	23	151	342	
	28	0.78	94	132	219						



Principal species CPUE and average individual weight by vessel, haul, and depth during the NMFS 2000 biennial Aleutian Islands bottom trawl survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
<b>Shortspine thornyhead</b>	73	0.58	94	199	381	11	0.45	23	28	309
	43	0.89	23	159	471	11	3.29	23	79	386
	35	0.97	23	202	264	11	0.59	23	207	222
	34	0.44	94	224	236	11	0.39	23	187	386
	33	0.53	23	216	411	11	0.88	23	186	336
	32	0.36	23	210	404	10	0.34	23	129	278
	25	0.58	94	34	323	9	0.37	94	18	338
	21	0.84	23	141	272	8	0.36	94	19	320
	19	0.62	23	92	320	8	0.35	94	171	459
	18	0.55	94	213	367	8	0.33	94	217	330
	17	1.04	94	155	471	8	0.63	23	156	395
	17	0.95	94	137	372	8	0.29	23	132	326
	16	0.43	94	223	212	7	1.15	23	161	346
	16	0.32	23	11	295	6	2.14	23	52	469
	15	0.37	23	157	403	6	0.29	23	109	373
	15	0.36	23	140	454	4	0.64	94	139	261
	15	0.51	23	128	397	4	0.48	94	173	271
<b>Light dusky rockfish</b>	49	0.99	94	170	139	4	0.70	94	184	92
	28	1.01	23	139	150	4	1.29	23	165	157
	10	1.46	94	47	155	3	0.99	94	185	84
	6	1.83	94	102	146					
<b>Other rockfish</b>	6	0.82	23	226	71	1	0.61	94	62	199
	2	0.48	94	170	139					
<b>Sablefish</b>	311	1.85	23	120	370	33	1.35	94	121	240
	221	1.49	23	119	278	21	7.70	23	52	469
	203	1.75	23	121	349	19	1.73	23	4	436
	88	1.95	23	138	231	18	3.19	94	67	450
	41	1.70	23	125	321					
<b>Arrowtooth flounder</b>	259	1.09	23	41	233	71	0.47	23	7	115
	249	1.17	94	8	240	68	4.50	94	158	211
	241	0.90	23	48	230	63	1.63	23	106	233
	186	3.58	23	87	152	63	1.01	23	219	181
	184	1.09	23	69	223	62	0.40	23	2	137
	157	0.47	23	191	172	62	0.67	23	116	233
	144	0.49	94	98	219	61	1.33	23	4	436
	139	2.29	23	153	259	60	0.21	94	60	79
	120	1.10	23	76	234	59	1.36	94	52	309
	119	0.45	23	55	406	59	2.02	23	221	163
	116	1.50	23	28	309	56	1.94	94	214	214
	113	0.65	23	190	224	51	0.66	94	205	135
	103	4.22	23	154	207	47	1.43	23	121	349
	98	0.42	94	116	214	45	1.61	23	37	335
	96	0.50	23	189	227	44	0.90	94	207	213
	93	1.22	94	128	250	44	0.31	94	92	187
	79	0.66	94	13	123	41	0.75	94	121	240
	76	0.48	94	195	223	41	0.60	94	208	185
	75	1.14	94	206	209	41	2.21	23	53	277
	72	0.63	23	105	155	41	0.31	23	18	188
71	0.65	94	211	182	41	2.45	23	177	183	

Principal species CPUE and average individual weight by vessel, haul, and depth during the NMFS 2000 biennial Aleutian Islands bottom trawl survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Arrowtooth flounder	39	1.77	94	212	248	21	2.38	94	120	285
	39	0.74	94	204	140	21	0.42	94	194	185
	39	0.69	23	3	117	20	2.09	23	125	321
	37	1.39	23	119	278	19	0.67	94	15	159
	37	1.05	23	40	232	19	0.83	23	81	210
	36	0.51	94	14	148	19	2.26	23	107	241
	36	0.61	94	101	206	18	0.22	94	29	107
	36	0.31	23	19	188	18	0.44	94	10	92
	35	1.01	23	217	236	18	0.88	23	185	172
	32	0.77	94	209	176	17	1.12	94	199	381
	32	1.10	23	223	179	17	1.27	23	160	167
	30	0.70	23	188	231	17	0.50	23	99	176
	29	0.69	94	203	158	16	0.30	94	3	131
	28	2.43	23	228	167	16	0.21	23	16	85
	27	2.76	94	152	239	15	0.60	94	4	280
	27	0.82	94	75	207	15	1.28	94	131	171
	27	1.17	23	66	255	15	0.70	23	65	257
	27	1.66	23	212	209	15	0.96	23	34	290
	26	0.65	94	34	323	15	3.68	23	161	346
	26	0.79	94	115	219	15	1.40	23	213	174
	26	2.37	94	186	153	14	1.77	94	46	403
	26	0.31	23	102	163	14	1.02	94	37	343
	26	0.89	23	220	118	14	0.88	94	5	278
	26	0.80	23	215	224	14	0.94	94	163	212
	26	2.91	23	211	277	14	0.34	23	1	84
	25	0.55	23	214	149	14	0.57	23	224	175
	24	0.43	94	2	89	13	0.85	94	41	190
	24	1.07	94	198	261	13	1.38	94	33	407
	24	0.57	94	40	225	13	2.24	94	136	249
	23	0.73	94	76	202	13	1.31	94	65	298
23	0.15	23	58	89	13	0.83	23	5	96	
22	2.02	23	120	370	13	0.74	23	93	257	
Pacific halibut	78	10.63	23	73	165	32	12.94	23	100	111
	71	3.17	94	227	86	30	0.98	23	14	93
	70	17.93	23	201	174	29	10.64	94	41	190
	62	19.61	94	36	127	29	14.02	94	152	239
	62	113.75	94	220	170	29	6.79	94	102	146
	61	4.67	94	68	166	29	11.16	94	229	76
	58	14.44	94	87	165	28	24.91	94	111	203
	57	89.69	94	185	84	27	1.32	23	8	90
	57	3.92	23	45	215	26	2.19	94	22	20
	49	4.55	23	124	166	25	18.55	94	46	403
	41	16.11	94	53	254	24	0.94	94	17	89
	41	11.34	94	101	206	23	17.21	94	47	155
	38	19.08	23	51	329	23	12.44	23	72	145
	37	5.22	94	58	141	23	2.05	23	7	115
	37	12.38	23	82	240	23	7.56	23	103	107
	35	8.55	23	47	278	23	6.82	23	98	191
	33	11.44	94	69	163	22	1.28	94	20	38
	33	8.51	94	225	97	22	2.16	94	2	89
	33	31.98	23	50	231	22	43.34	23	53	277
	33	15.07	23	135	135	22	1.78	23	9	77

Principal species CPUE and average individual weight by vessel, haul, and depth during the NMFS 2000 biennial Aleutian Islands bottom trawl survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Pacific halibut	22	6.95	23	102	163	10	3.29	94	54	138
	21	7.82	23	133	91	10	13.77	94	50	215
	20	5.55	23	4	436	10	13.14	94	43	369
	20	11.20	23	115	155	10	16.94	94	215	216
	20	3.54	23	91	92	10	13.40	94	194	185
	19	11.82	94	52	309	10	9.03	23	36	221
	19	48.30	23	155	91	10	11.42	23	134	120
	19	10.95	23	200	124	9	8.12	94	81	205
	19	5.06	23	94	155	9	2.93	94	45	91
	18	8.64	94	106	143	9	6.60	94	226	118
	18	9.29	94	75	207	9	22.45	94	131	171
	18	1.33	23	13	83	9	4.04	23	28	309
	18	13.09	23	106	233	9	20.12	23	173	227
	18	1.82	23	12	91	9	10.65	23	215	224
	17	2.33	94	84	92	9	3.07	23	46	130
	17	17.88	23	32	257	8	12.33	94	72	202
	16	2.22	94	7	85	8	4.51	94	25	93
	16	4.93	94	125	197	8	2.57	94	13	123
	16	13.24	23	78	213	8	6.36	94	91	146
	15	20.12	94	44	260	8	6.20	94	59	171
	15	32.80	94	121	240	8	1.37	23	113	56
	15	19.78	23	74	366	7	19.56	94	148	171
	15	3.61	23	111	89	7	5.61	94	112	80
	15	2.17	23	31	65	7	4.84	94	141	108
	14	11.10	94	108	152	7	7.76	23	59	252
	14	18.45	23	34	290	7	1.05	23	16	85
	14	2.75	23	3	117	7	0.63	23	10	61
	14	1.13	23	1	84	7	1.27	23	118	88
	14	5.35	23	112	95	7	5.33	23	104	96
	14	12.00	23	194	118	7	6.07	23	220	118
	14	8.50	23	193	156	7	9.23	23	80	209
	14	5.43	23	70	165	6	4.30	94	82	100
	14	14.85	23	63	212	6	17.96	94	67	450
	13	24.32	94	174	162	6	3.25	94	61	130
	13	10.25	94	228	117	6	2.45	94	1	124
	13	14.69	23	19	188	6	7.03	94	156	91
	13	2.27	23	5	96	6	4.71	94	105	155
	13	5.44	23	90	94	6	3.67	94	96	140
	13	6.01	23	30	82	6	8.08	94	193	182
	13	7.73	23	99	176	6	14.57	94	130	173
	12	3.49	94	85	123	6	12.44	94	149	133
	12	38.74	94	77	460	6	13.69	94	92	187
12	9.41	94	161	147	6	7.82	94	42	320	
12	2.84	94	94	177	6	3.82	23	58	89	
12	7.45	23	81	210	6	3.43	23	126	221	
12	4.14	23	171	91	6	4.61	23	228	167	
12	14.02	23	154	207	6	8.45	23	40	232	
12	26.30	23	48	230	6	16.44	23	168	160	
12	26.98	23	44	253	6	7.05	23	192	117	
11	8.21	94	109	150	5	6.04	94	80	173	
11	1.00	23	15	84	5	10.18	94	158	211	
11	12.68	23	116	233	5	12.04	94	157	92	
10	15.73	94	79	412	5	4.04	94	150	112	

Principal species CPUE and average individual weight by vessel, haul, and depth during the NMFS 2000 biennial Aleutian Islands bottom trawl survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Pacific halibut	5	1.56	94	10	92	4	11.27	94	145	89
	5	11.27	94	40	225	4	1.23	94	127	83
	5	10.18	23	76	234	4	9.16	94	124	155
	5	5.45	23	75	162	4	3.73	94	116	214
	5	2.37	23	57	87	4	10.90	94	89	146
	5	1.74	23	2	137	4	10.53	94	176	162
	5	10.53	23	224	175	4	1.16	23	6	80
	5	4.63	23	191	172	4	9.83	23	125	321
	5	11.27	23	149	238	4	1.59	23	17	87
	5	4.34	23	101	116	4	6.25	23	222	87
	4	4.86	94	30	117	4	2.83	23	198	85
	4	4.87	94	14	148	4	10.53	23	196	121
	Northern rock sole	135	0.40	94	135	97	19	0.51	23	221
99		0.53	94	161	147	18	0.52	94	30	117
72		0.42	23	198	85	18	0.35	94	116	214
65		0.84	94	127	83	18	0.24	94	200	90
62		0.48	94	158	211	17	0.35	94	184	92
58		0.29	23	30	82	17	0.66	23	102	163
57		0.47	23	154	207	16	0.62	94	170	139
54		0.55	23	5	96	16	0.44	23	8	90
45		0.28	94	60	79	16	0.15	23	148	84
43		0.36	94	159	148	16	0.45	23	98	191
36		0.20	94	112	80	15	0.36	94	149	133
36		0.31	23	152	90	15	0.29	23	1	84
35		0.42	23	160	167	15	0.49	23	93	257
35		0.34	23	158	124	14	0.40	94	229	76
35		0.64	23	124	166	14	0.23	94	197	109
35		0.47	23	130	96	14	0.27	23	227	85
33		0.48	23	224	175	14	0.47	23	214	149
32		0.36	94	140	161	13	0.44	94	7	85
28		0.66	23	96	264	13	0.64	94	68	166
28		0.30	23	195	120	13	0.25	94	141	108
28		0.69	23	97	283	13	0.38	23	220	118
27		0.97	94	125	197	13	0.35	23	194	118
27		0.49	94	163	212	13	0.48	23	193	156
27		0.43	94	210	143	13	0.36	23	31	65
27		0.42	23	3	117	12	0.30	94	160	92
26		0.78	94	99	214	12	0.54	23	226	71
25		0.27	23	145	94	12	0.30	23	117	177
23		0.37	94	142	158	11	0.36	94	54	138
23		0.30	23	196	121	11	0.42	94	227	86
22		0.52	94	211	182	11	0.20	94	113	48
22		0.52	23	7	115	11	0.40	23	58	89
22		0.38	23	144	156	11	0.45	23	143	241
22		0.50	23	95	273	11	0.30	23	103	107
20	0.45	94	20	38	11	0.77	23	70	165	
20	0.56	94	13	123	10	0.33	94	27	75	
20	0.50	94	152	239	10	0.38	94	1	124	
20	0.62	94	22	20	10	0.24	94	196	130	
20	0.23	23	146	107	10	0.31	23	16	85	
20	0.56	23	149	238	10	0.50	23	133	91	
19	0.28	94	201	81	10	0.46	23	25	109	

Principal species CPUE and average individual weight by vessel, haul, and depth during the NMFS 2000 biennial Aleutian Islands bottom trawl survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Northern rock sole	10	0.37	23	222	87	8	0.30	23	17	87
	9	0.30	94	25	93	8	0.68	23	223	179
	9	0.47	94	138	154	7	0.23	94	83	110
	9	0.40	94	10	92	7	0.68	94	14	148
	9	0.48	94	93	176	7	0.31	94	150	112
	9	0.51	23	10	61	7	0.63	94	136	249
	9	0.50	23	116	233	7	0.69	94	111	203
	9	0.30	23	110	83	7	0.42	94	103	91
	8	0.46	94	156	91	7	0.42	94	228	117
	8	0.70	94	97	123	7	0.77	94	100	215
	8	0.34	94	17	89	7	0.58	23	139	150
	8	0.92	94	128	250	7	0.64	23	136	152
	8	0.47	23	9	77	7	0.45	23	134	120
	8	0.44	23	171	91	7	0.36	23	114	118
	8	0.25	23	118	88	7	0.81	23	182	161
	8	0.62	23	100	111	7	0.53	23	99	176
8	0.41	23	87	152						
Southern rock sole	53	0.63	23	10	61	12	0.62	94	10	92
	53	0.61	23	21	64	10	0.61	23	23	97
	47	0.85	94	20	38	10	0.39	23	17	87
	28	0.62	94	27	75	8	0.61	94	17	89
	24	0.61	23	31	65	8	0.72	23	16	85
	21	0.72	23	9	77	6	0.77	23	14	93
	20	0.49	23	27	86	5	0.86	23	1	84
	20	0.57	23	15	84	4	0.37	23	29	84
	20	0.49	23	25	109	4	1.08	23	7	115
	17	0.47	94	28	76	4	0.71	23	6	80
	16	0.39	23	24	91	3	0.55	94	60	79
	15	0.33	94	26	86	3	0.47	94	25	93
Kamchatka flounder	433	2.39	23	151	342	42	2.49	23	153	259
	178	1.53	23	121	349	40	1.36	23	38	330
	137	2.15	23	120	370	38	2.28	23	177	183
	111	5.38	23	159	471	33	0.83	23	69	223
	87	1.57	23	210	404	25	4.34	23	156	395
	71	2.15	94	71	361	25	0.71	23	119	278
	71	2.48	23	53	277	24	1.00	94	52	309
	54	2.55	23	52	469	23	3.61	23	137	313
	54	1.54	23	37	335	22	2.17	94	74	431
	45	1.93	94	33	407	21	0.33	94	98	219
Greenland turbot	143	2.92	94	67	450	16	3.08	23	137	313
	60	3.70	23	153	259	13	3.88	23	210	404
	41	2.67	94	11	269	11	3.25	94	33	407
	28	3.11	23	11	295	11	2.61	94	74	431
	21	3.07	94	55	400	11	6.70	23	159	471
	21	3.48	23	151	342	9	5.30	94	155	471
	19	5.14	94	66	399	9	6.80	23	211	277
	18	3.94	94	79	412	8	7.13	94	35	439
	17	2.79	23	64	360	8	4.34	23	4	436

Principal species CPUE and average individual weight by vessel, haul, and depth during the NMFS 2000 biennial Aleutian Islands bottom trawl survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	
Flathead sole	125	0.18	94	21	90	16	0.32	94	211	182	
	73	0.15	23	18	188	16	0.40	23	2	137	
	61	0.12	94	23	187	15	0.19	94	6	93	
	61	0.11	23	19	188	15	0.57	94	4	280	
	50	0.12	23	20	185	14	0.51	23	21	64	
	36	0.20	23	105	155	12	0.26	94	195	223	
	34	0.24	23	221	163	12	0.58	23	4	436	
	32	0.18	94	205	135	11	0.28	94	206	209	
	29	0.25	23	188	231	10	0.52	94	2	89	
	28	0.23	94	16	132	9	0.33	23	224	175	
	25	0.17	94	59	171	8	0.24	94	22	20	
	25	0.25	23	189	227	8	0.35	23	220	118	
	24	0.15	23	58	89	7	0.67	94	13	123	
	20	0.16	94	204	140	7	0.17	23	56	126	
	18	0.83	23	1	84	7	0.47	23	3	117	
	Rex sole	35	0.59	23	55	406	4	0.25	23	27	86
		31	0.61	23	28	309	4	0.45	23	22	161
29		0.79	94	8	240	4	0.76	23	125	321	
29		0.45	94	143	245	4	0.51	23	92	320	
24		0.35	23	189	227	3	0.68	94	55	400	
23		0.74	23	119	278	3	0.41	94	18	338	
19		0.56	23	227	85	3	0.68	94	14	148	
17		0.38	94	195	223	3	0.61	94	5	278	
12		0.09	94	23	187	3	0.54	94	4	280	
11		0.89	94	184	92	3	0.18	94	59	171	
11		0.51	23	143	241	3	0.67	94	12	208	
9		0.54	94	29	107	3	0.32	94	220	170	
9		0.41	94	186	153	3	0.60	94	153	341	
9		0.09	23	20	185	3	0.78	94	74	431	
8		0.12	23	18	188	3	0.35	23	64	360	
8		0.56	23	129	278	3	0.50	23	205	120	
8		0.67	23	128	397	3	0.66	23	97	283	
8		0.61	23	11	295	2	0.28	94	34	323	
8		0.38	23	188	231	2	0.43	94	15	159	
7		0.40	94	19	320	2	0.73	94	9	162	
7		0.22	94	16	132	2	0.47	94	139	261	
7		0.79	94	151	330	2	0.72	94	114	365	
7		0.48	94	222	114	2	0.36	94	163	212	
7		0.13	23	19	188	2	0.55	94	221	107	
7		0.57	23	177	183	2	0.37	94	203	158	
6		0.84	94	52	309	2	0.35	94	202	232	
6		0.58	94	199	381	2	0.63	94	11	269	
6		0.73	23	52	469	2	0.54	23	67	266	
6		0.68	23	224	175	2	0.53	23	66	255	
5		0.17	94	6	93	2	0.63	23	34	290	
5		0.56	94	134	249	2	0.14	23	6	80	
5		0.80	23	41	233	2	1.00	23	159	471	
5	0.51	23	132	326	2	0.11	23	105	155		
5	0.41	23	93	257	2	0.19	23	25	109		
5	0.91	23	96	264	2	0.57	23	216	411		
5	0.67	23	95	273	2	0.65	23	211	277		
4	0.76	94	58	141	2	0.41	23	202	264		

Principal species CPUE and average individual weight by vessel, haul, and depth during the NMFS 2000 biennial Aleutian Islands bottom trawl survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
<b>Rex sole</b>	2	0.77	23	120	370					
<b>Dover sole</b>	4	2.38	94	171	459	1	2.22	94	100	215
	2	0.60	94	19	320	1	0.48	23	55	406
	2	0.79	94	18	338	1	0.38	23	22	161
	2	0.48	23	132	326	1	3.17	23	159	471
	2	1.10	23	128	397	1	0.28	23	129	278
	1	2.03	94	223	212	1	0.47	23	64	360
	1	0.37	94	134	249	1	0.23	23	204	131
	1	2.64	94	99	214	1	0.40	23	177	183
	1	1.17	94	74	431					
<b>Yellowfin sole</b>	9	0.23	94	21	90					
<b>English sole</b>	2	0.35	23	30	82	0	0.54	23	19	188
	0	0.25	94	21	90					
<b>Other flatfish</b>	68	1.00	94	22	20	0	0.85	94	20	38
	23	1.50	94	21	90	0	0.01	94	131	171
	0	0.63	94	23	187					
<b>Skate unident.</b>	113	5.42	94	224	236	15	9.47	94	170	139
	86	3.08	23	69	223	15	3.96	23	76	234
	75	7.04	94	221	107	15	8.27	23	72	145
	72	0.91	23	218	151	14	3.04	94	44	260
	69	6.03	23	205	120	14	8.47	94	200	90
	65	7.05	94	222	114	14	14.70	23	227	85
	64	6.47	23	209	186	14	8.78	23	226	71
	57	13.73	94	181	224	14	20.35	23	190	224
	56	5.10	23	34	290	14	11.63	23	181	214
	52	11.08	23	208	187	13	9.33	23	198	85
	51	4.37	23	204	131	12	6.20	94	81	205
	44	9.00	94	220	170	12	14.15	94	30	117
	44	4.51	94	68	166	12	3.17	23	57	87
	42	9.68	23	75	162	12	14.15	23	182	161
	37	2.00	94	67	450	12	9.40	23	176	177
	35	15.07	23	18	188	11	5.71	94	72	202
	34	6.21	23	39	154	11	1.67	23	74	366
	32	5.79	94	219	136	11	5.34	23	122	144
	32	17.89	23	19	188	11	8.53	23	118	88
	30	9.41	23	203	176	11	4.54	23	70	165
	26	11.58	23	136	152	10	6.48	94	4	280
	23	4.36	23	207	222	10	10.95	94	146	93
	21	4.73	94	53	254	10	16.30	94	183	144
	20	3.77	23	51	329	10	23.80	94	17	89
	19	4.65	23	206	153	10	2.35	94	134	249
	17	14.60	94	111	203	10	3.68	94	117	128
	17	12.55	94	184	92	10	23.20	23	29	84
	17	5.69	94	87	165	10	4.92	23	228	167
	17	12.00	23	178	96	10	14.55	23	97	283
	16	8.16	94	223	212	9	3.58	94	79	412

Principal species CPUE and average individual weight by vessel, haul, and depth during the NMFS 2000 biennial Aleutian Islands bottom trawl survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Skate unident.	9	2.24	94	38	328	7	8.90	94	75	207
	9	21.40	94	156	91	7	1.64	94	131	171
	9	7.64	94	193	182	7	2.41	23	83	325
	9	7.40	23	155	91	7	2.70	23	53	277
	9	18.90	23	214	149	7	15.30	23	174	94
	9	18.60	23	14	93	7	15.10	23	107	241
	9	10.40	23	130	96	6	7.30	94	45	91
	9	24.70	23	80	209	6	0.60	94	33	407
	8	3.80	94	52	309	6	13.70	94	157	92
	8	1.44	94	155	471	6	14.30	94	145	89
	8	18.10	94	106	143	6	14.20	94	109	150
	8	6.80	94	166	217	6	7.16	94	102	146
	8	0.79	23	52	469	6	1.63	94	8	240
	8	7.25	23	16	85	6	7.14	94	229	76
	8	2.51	23	48	230	6	16.30	94	202	232
	8	8.65	23	91	92	6	4.47	94	40	225
	8	8.05	23	117	177	6	7.95	23	2	137
	8	9.67	23	82	240	6	1.99	23	138	231
	7	2.07	94	71	361	6	12.10	23	119	278
	7	1.94	94	34	323	6	12.00	23	17	87
7	7.75	94	167	177	6	14.10	23	219	181	
7	4.97	94	162	178	6	13.10	23	197	96	
7	3.25	94	139	261	6	12.30	23	142	175	
7	2.54	94	138	154						
Shark unident.	117	40.14	94	23	187	2	3.10	23	7	115
	87	74.00	23	20	185	1	2.20	23	6	80
	32	96.00	23	51	329	0	1.04	23	25	109
	4	13.70	94	18	338					
Yellow Irish Lord	41	1.22	94	8	240	5	1.01	94	124	155
	31	0.74	23	5	96	5	0.72	23	111	89
	27	0.68	23	130	96	5	0.82	23	70	165
	19	0.64	23	13	83	5	0.34	23	46	130
	19	0.78	23	8	90	5	0.54	23	30	82
	17	0.92	94	102	146	4	0.52	94	161	147
	17	0.80	23	7	115	4	1.20	23	72	145
	16	0.65	23	133	91	4	0.43	23	90	94
	13	0.90	23	3	117	4	0.54	23	17	87
	12	0.63	23	12	91	3	0.85	94	53	254
	11	0.62	23	16	85	3	0.80	94	45	91
	11	1.06	23	122	144	3	0.66	94	30	117
	10	0.98	23	227	85	3	0.50	94	135	97
	9	1.08	94	7	85	3	0.65	94	127	83
	9	1.12	94	125	197	3	1.13	94	106	143
	8	0.29	94	184	92	3	1.14	94	95	89
	8	0.64	23	1	84	3	0.61	94	185	84
	8	0.83	23	135	135	3	0.84	94	68	166
	6	0.73	94	14	148	3	0.75	23	71	144
	6	0.71	23	14	93	3	0.73	23	99	176
5	0.43	94	13	123						



Principal species CPUE and average individual weight by vessel, haul, and depth during the NMFS 2000 biennial Aleutian Islands bottom trawl survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Other sculpins	22	5.90	94	68	166	3	2.09	23	72	145
	20	0.06	94	134	249	3	0.09	23	36	221
	12	0.08	23	137	313	3	0.06	23	173	227
	10	0.15	94	88	264	3	7.20	23	152	90
	8	0.07	94	48	230	3	2.11	23	146	107
	8	0.05	23	50	231	3	0.54	23	112	95
	7	0.11	94	53	254	3	7.20	23	111	89
	7	0.06	23	84	382	3	1.60	23	104	96
	7	2.18	23	6	80	3	0.06	23	181	214
	6	0.07	94	51	285	3	0.12	23	51	329
	6	0.23	23	125	321	3	0.08	23	44	253
	6	0.14	23	142	175	2	0.05	94	66	399
	5	0.09	94	136	249	2	0.08	94	49	260
	5	0.05	94	50	215	2	0.49	94	36	127
	5	0.14	94	224	236	2	5.40	94	23	187
	5	0.15	23	53	277	2	0.69	94	21	90
	5	0.15	23	86	325	2	0.11	94	135	97
	5	0.13	23	40	232	2	0.08	94	133	251
	4	0.06	94	79	412	2	0.21	94	8	240
	4	0.20	94	60	79	2	0.26	94	115	219
	4	0.09	94	39	218	2	0.38	94	75	207
	4	0.09	94	34	323	2	0.73	94	226	118
	4	9.30	94	20	38	2	4.00	94	211	182
	4	0.54	94	225	97	2	2.10	94	204	140
	4	4.30	94	201	81	2	2.70	94	200	90
	4	0.20	94	166	217	2	0.06	94	188	242
	4	0.14	23	83	325	2	0.22	94	176	162
	4	1.78	23	58	89	2	0.16	94	223	212
	4	0.09	23	49	237	2	0.08	94	40	225
	4	4.39	23	15	84	2	0.03	23	43	218
	4	0.47	23	136	152	2	0.06	23	38	330
	4	0.06	23	79	386	2	0.08	23	35	222
	4	0.60	23	17	87	2	4.55	23	5	96
4	2.25	23	196	121	2	0.75	23	102	163	
4	0.13	23	177	183	2	0.09	23	92	320	
4	0.10	23	176	177	2	0.04	23	48	230	
4	0.12	23	179	181	2	0.12	23	33	218	
3	0.91	94	6	93	2	0.13	23	207	222	
3	0.13	94	139	261	2	1.46	23	191	172	
3	0.07	94	129	212	2	0.20	23	185	172	
3	0.17	94	65	298	2	0.07	23	180	189	
3	0.24	94	78	330	2	0.21	23	82	240	
3	0.18	23	85	234						
Eelpout unident.	3	0.09	23	4	436	1	0.40	23	151	342
	2	1.20	23	159	471	1	0.25	23	150	433
	1	0.99	94	151	330	1	0.12	23	140	454
	1	2.33	94	35	439	1	0.37	23	128	397
	1	0.95	94	224	236	1	1.06	23	208	187
	1	0.75	94	223	212	1	0.67	23	120	370
	1	0.50	23	157	403					

Principal species CPUE and average individual weight by vessel, haul, and depth during the NMFS 2000 biennial Aleutian Islands bottom trawl survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Other fish	6677	5.81	94	71	361	85	2.91	23	52	469
	1292	5.49	94	66	399	66	1.96	23	207	222
	878	4.72	94	79	412	55	4.62	94	74	431
	415	4.43	94	155	471	52	3.83	94	218	400
	163	3.96	94	170	139	50	0.02	94	227	86
	122	3.03	94	186	153	44	0.09	23	197	96
	117	1.42	23	159	471	40	1.44	94	184	92
	114	1.72	23	209	186	35	3.43	23	165	157
	106	0.02	94	22	20	27	2.07	94	216	452
	105	4.44	23	150	433	26	2.57	23	216	411
	104	3.38	23	140	454	21	1.86	23	176	177
Bairdi tanner crab	5	0.14	94	21	90	4	0.46	23	105	155
	5	0.61	94	6	93	1	0.32	94	23	187
Golden king crab	12	1.51	23	52	469	1	0.69	94	50	215
	11	1.10	94	182	146	1	0.46	94	35	439
	10	1.23	94	62	199	1	0.59	94	75	207
	9	0.73	23	120	370	1	0.93	94	43	369
	5	1.21	94	70	222	1	0.48	94	216	452
	4	1.23	23	63	212	1	1.94	94	209	176
	3	0.96	94	46	403	1	0.79	94	198	261
	3	0.39	94	33	407	1	0.92	94	183	144
	3	1.01	94	152	239	1	1.82	94	131	171
	3	0.92	23	126	221	1	0.81	94	51	285
	3	1.04	23	121	349	1	0.85	94	134	249
	3	1.20	23	127	142	1	0.66	94	42	320
	2	0.91	94	73	206	1	0.46	94	128	250
	2	0.68	94	71	361	1	0.56	23	77	227
	2	0.84	94	67	450	1	2.84	23	67	266
	2	0.62	94	63	209	1	1.57	23	62	220
	2	0.38	94	34	323	1	0.85	23	55	406
	2	1.10	94	136	249	1	0.95	23	50	231
	2	0.80	94	212	248	1	1.12	23	36	221
	2	1.02	94	78	330	1	1.01	23	35	222
	2	0.88	23	83	325	1	1.35	23	170	116
	2	1.61	23	76	234	1	0.65	23	156	395
	2	1.83	23	141	272	1	0.55	23	138	231
	2	1.93	23	129	278	1	1.13	23	136	152
	2	0.95	23	119	278	1	1.15	23	128	397
	2	1.34	23	182	161	1	1.40	23	86	325
	2	0.83	23	181	214	1	3.60	23	217	236
	2	1.98	23	176	177	1	2.90	23	215	224
	1	0.89	94	76	202	1	1.97	23	213	174
	1	0.30	94	66	399	1	2.42	23	191	172
	1	0.88	94	56	350	1	1.33	23	168	160
	1	0.75	94	52	309	1	1.79	23	130	96
1	0.96	94	49	260	1	0.77	23	51	329	
1	0.93	94	48	230	1	0.45	23	80	209	
1	1.55	94	129	212	1	1.78	23	46	130	
1	0.95	94	120	285						

Principal species CPUE and average individual weight by vessel, haul, and depth during the NMFS 2000 biennial Aleutian Islands bottom trawl survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Red king crab	66	3.08	23	130	96	7	2.43	94	130	173
	29	3.19	23	145	94					
Northern shrimp	1	0.01	23	20	185	1	0.01	23	18	188
	1	0.01	23	19	188	1	0.01	23	105	155
Sidestripe shrimp	0	0.02	94	23	187	0	0.02	94	11	269
	0	0.02	94	19	320	0	0.02	23	28	309
	0	0.01	94	18	338	0	0.01	23	20	185
	0	0.01	94	107	353					
Scallop unident.	11	0.04	23	87	152	1	0.09	94	37	343
	9	0.03	23	114	118	1	0.03	94	144	197
	6	0.08	94	36	127	1	0.05	94	95	89
	5	0.07	23	100	111	1	0.06	94	91	146
	4	0.10	23	134	120	1	0.05	23	57	87
	4	0.09	23	131	121	1	0.08	23	132	326
	4	0.11	23	135	135	1	0.04	23	115	155
	3	0.05	94	90	144	1	0.03	23	226	71
	2	0.02	23	16	85	1	0.06	23	130	96
	2	0.04	23	12	91					
	Magistrate armhook squid	29	0.46	23	202	264	3	0.38	23	79
12		0.50	94	224	236	2	0.39	94	67	450
12		0.33	23	38	330	2	0.20	94	107	353
11		0.40	94	213	367	2	0.23	94	8	240
7		0.20	94	199	381	2	0.33	94	214	214
6		0.33	23	83	325	2	0.24	94	11	269
6		0.44	23	132	326	2	0.41	23	52	469
5		0.48	23	28	309	2	0.57	23	4	436
4		0.43	23	210	404	2	0.19	23	109	373
3		0.36	94	34	323	2	0.23	23	92	320
3		0.33	94	18	338	2	0.65	23	11	295
3		0.47	94	217	330	2	0.46	23	216	411
3		0.37	23	55	406	2	0.30	23	187	386
3		0.33	23	36	221					
Sponge	1106	1.34	94	132	219	80	2.01	94	173	271
	298	4.03	23	71	144	80		23	172	90
	247		23	183	144	73	1.09	23	72	145
	233	0.67	94	63	209	66	0.62	94	73	206
	192		23	181	214	61	2.42	94	216	452
	177		23	201	174	60		23	212	209
	124	3.15	94	62	199	57	4.05	94	69	163
	118		23	82	240	56	0.11	94	166	217
	114	12.40	94	7	85	47	1.41	23	63	212
	114	1.71	94	146	93	45	1.56	94	212	248
	99	2.50	94	185	84	44		23	159	471
	98	7.68	23	81	210	44		23	73	165
	96	3.30	94	135	97	43	2.14	94	87	165
	94	2.75	94	128	250	42	0.23	94	41	190
	88	13.92	94	45	91	41		94	225	97

Principal species CPUE and average individual weight by vessel, haul, and depth during the NMFS 2000 biennial Aleutian Islands bottom trawl survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	
<b>Sponge</b>	41	0.79	94	182	146	29		23	125	321	
	40		23	161	346	29		23	108	143	
	40		23	184	213	27		94	39	218	
	39		23	141	272	27	1.28	94	129	212	
	36	1.72	94	70	222	26		23	62	220	
	35	2.00	94	111	203	26	2.13	23	167	154	
	35	4.45	23	78	213	25	4.47	94	189	250	
	35		23	187	386	25		23	83	325	
	34	6.82	94	72	202	25		23	43	218	
	34	0.56	94	131	171	25		23	227	85	
	34	0.61	94	78	330	24	2.76	23	77	227	
	33	1.06	94	89	146	24		23	127	142	
	31	0.42	94	180	150	23		23	174	94	
	31	0.11	94	165	216	23		23	173	227	
	31		23	86	325	21	0.98	94	81	205	
	30	13.49	94	218	400	21		23	168	160	
	29	0.46	94	75	207	20	5.48	23	51	329	
	<b>Starfish</b>	12	0.09	94	63	209	1	0.05	94	62	199
		3	1.39	94	22	20	1	0.08	94	70	222
		3	0.64	23	102	163	1	0.06	94	40	225
2		0.06	94	225	97	1	0.06	94	128	250	
2		0.06	94	182	146	1	0.04	23	72	145	
2		0.30	23	103	107	1	0.04	23	52	469	
2		0.05	23	183	144	1	0.09	23	16	85	
2		0.03	23	181	214	1	0.08	23	13	83	
2		0.10	23	12	91	1	0.07	23	170	116	
1		0.07	94	73	206	1	0.12	23	169	125	
1		0.93	94	24	116	1	0.05	23	133	91	
1		0.43	94	23	187	1	0.47	23	132	326	
1		0.25	94	21	90	1	0.04	23	112	95	
1		1.72	94	6	93	1	0.39	23	105	155	
1		0.09	94	162	178	1	0.13	23	90	94	
1		0.07	94	157	92	1	0.10	23	87	152	
1		0.04	94	146	93	1	0.14	23	131	121	
1		0.12	94	136	249	1	0.04	23	218	151	
1		0.32	94	125	197	1	0.03	23	201	174	
1		0.05	94	111	203	1	0.06	23	176	177	
1	0.19	94	95	89	1	0.05	23	168	160		
1	0.09	94	8	240	1	0.69	23	21	64		
1	0.24	94	59	171	1	0.09	23	63	212		
1	0.07	94	227	86	1	0.08	23	127	142		
1	0.06	94	226	118	1	0.06	23	113	56		
1	0.09	94	185	84							
<b>Soft coral</b>	58		23	192	117	11		23	79	386	
	52		94	225	97	8	0.93	23	71	144	
	22	25.57	94	226	118	5	0.84	94	70	222	
	12		23	218	151	3	2.97	94	78	330	
	11		94	197	109	3		23	84	382	

Principal species CPUE and average individual weight by vessel, haul, and depth during the NMFS 2000 biennial Aleutian Islands bottom trawl survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	
<b>Stony coral unident.</b>	50		23	183	144	6		23	181	214	
	45	49.00	94	146	93	6		23	172	90	
	13		94	128	250	5		94	45	91	
	8		23	159	471	3		23	71	144	
<b>Octopus</b>	13	6.48	23	87	152	1	2.31	94	150	112	
	6	3.44	94	132	219	1	2.89	94	210	143	
	5	6.05	23	101	116	1	1.14	94	182	146	
	4	9.13	94	58	141	1	0.51	94	165	216	
	4	4.71	94	64	136	1	0.63	94	62	199	
	3	7.02	94	91	146	1	2.04	94	168	206	
	3	8.07	94	92	187	1	1.90	94	31	275	
	2	4.04	94	89	146	1	0.61	94	173	271	
	2	1.49	94	131	171	1	0.68	23	159	471	
	2	3.50	23	16	85	1	1.41	23	133	91	
	2	6.10	23	6	80	1	1.70	23	162	156	
	2	4.89	23	115	155	1	3.25	23	180	189	
	1	0.58	94	169	165						
	<b>Snail</b>	2	0.08	23	12	91	1	0.07	23	13	83
1		0.06	94	45	91	1	0.16	23	4	436	
1		0.07	94	21	90	1	0.04	23	87	152	
1		0.04	23	57	87	1	0.05	23	130	96	
<b>Other invertebrate</b>	39	0.08	94	146	93	5	0.08	94	226	118	
	25	0.17	94	21	90	5	0.22	23	134	120	
	24	0.06	23	12	91	5	0.03	23	133	91	
	23	0.15	23	13	83	5	0.05	23	124	166	
	21	0.00	94	63	209	5	0.01	23	112	95	
	16	0.17	23	18	188	5	0.09	23	200	124	
	15	0.13	23	90	94	5	0.06	23	130	96	
	13	0.03	94	225	97	4	0.03	94	49	260	
	11	0.02	23	71	144	4	0.17	94	47	155	
	11	0.08	23	82	240	4	0.11	94	39	218	
	10	0.11	23	78	213	4	0.09	23	58	89	
	10	0.11	23	46	130	4	0.03	23	57	87	
	9	0.05	94	157	92	4	0.02	23	170	116	
	9	0.15	23	192	117	4	0.03	23	115	155	
	8	0.12	94	73	206	4	0.05	23	227	85	
	8	0.16	94	72	202	4	0.01	23	181	214	
	7	0.30	94	132	219	4	0.02	23	73	165	
	7	0.16	94	128	250	3	0.24	94	85	123	
	7	0.16	23	83	325	3	0.10	94	81	205	
	7	0.01	23	201	174	3	1.19	94	4	280	
	6	0.16	94	185	84	3	0.37	94	170	139	
	6	0.10	94	70	222	3	0.03	94	135	97	
	6	0.10	94	40	225	3	0.03	94	133	251	
	6	0.17	94	99	214	3	0.13	94	127	83	
	6	0.15	94	100	215	3	0.03	94	95	89	
	6	0.17	23	174	94	3	0.04	94	89	146	
	6	3.40	23	150	433	3	0.03	94	90	144	
	5	0.08	94	45	91	3	0.02	94	216	452	
5	0.06	94	36	127	3	0.04	94	149	133		

Principal species CPUE and average individual weight by vessel, haul, and depth during the NMFS 2000 biennial Aleutian Islands bottom trawl survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Other invertebrate	3	0.01	94	173	271	2	0.06	94	51	285
	3	0.10	94	78	330	2	0.03	94	166	217
	3	0.02	23	72	145	2	0.14	94	74	431
	3	0.14	23	53	277	2	0.05	23	49	237
	3	0.09	23	111	89	2	0.04	23	43	218
	3	0.03	23	87	152	2	0.05	23	36	221
	3	0.02	23	183	144	2	0.13	23	26	107
	2	0.09	94	69	163	2	0.04	23	16	85
	2	0.06	94	7	85	2	0.02	23	167	154
	2	0.04	94	162	178	2	0.00	23	159	471
	2	0.07	94	161	147	2	0.03	23	155	91
	2	0.15	94	148	171	2	0.07	23	125	321
	2	0.05	94	129	212	2	0.05	23	118	88
	2	0.04	94	111	203	2	0.03	23	108	143
	2	0.51	94	94	177	2	0.08	23	104	96
	2	0.02	94	50	215	2	0.04	23	218	151
	2	0.12	94	22	20	2	0.03	23	194	118
	2	0.02	94	180	150	2	0.13	23	177	183
	2	0.09	94	182	146	2	0.09	23	176	177
	2	0.54	94	179	236	2	0.03	23	168	160
	2	0.03	94	177	155	2	0.00	23	63	212
	2	0.00	94	62	199	2	0.02	23	127	142
	2	0.05	94	87	165					
	429	0.02	23	170	109	215	0.07	94	161	140
	423	0.01	23	181	207	215	0.00	23	159	465
	405	0.05	23	227	78	209	0.09	94	182	138
	393	0.03	94	49	254	206	0.13	23	26	100
	392	0.03	23	57	80	203	0.06	94	7	78
	377	0.09	23	58	82	203	0.51	94	94	169
	374	0.17	94	47	148	200	0.04	94	162	171
	373	0.02	23	73	158	199	0.09	23	176	170
	368	0.11	94	39	210	197	0.03	94	166	210
336	0.03	94	135	90	195	0.05	94	129	205	
331	0.03	23	87	145	195	0.00	23	63	205	
327	1.19	94	4	273						

Section 4

**Trawl and Accessories**

**Specifications and Diagrams**





Specifications of the trawl, otter doors, and accessory gear used by the chartered trawlers *FV Dominator* and *FV Vesteraalen* during the 2002 bottom trawl survey of the Aleutian Islands region.

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**Equipment**

**Specifications**

Netting - Polyethylene, 12.7 cm (5 in), 4 and 5 millimeter twine.

Headrope - 27.2 m (89 ft-1 in), 1.3 cm ( $\frac{1}{2}$  in) (6 x 19)

galvanized wire rope, wrapped with 1 cm ( $\frac{3}{8}$  in)

3-strand polypropylene rope.

Footrope - 24.9 m (81 ft-7 in), 1 cm ( $\frac{3}{8}$  in) (6 x 19)

galvanized wire rope wrapped with polypropylene rope.

Fishing line - 24.3 m (79 ft-7 in), shot-peened long-link chain.

Safe working load 5.1 metric tons(t).

Roller gear - 24.2 m (79 ft-6 in), 1.9 cm ( $\frac{3}{4}$  in) diameter,

(6 x 19) galvanized wire rope strung through 10.2 cm

(4 in) diameter rubber disks, 16 rubber wing bobbins

35.6 cm (14 in) in diameter and 34 galvanized rings

hung with 30.5 cm (12 in) long dropper chain.

Breastlines - 1 cm (3/8 in) (6 x 19) galvanized wire rope wrapped with 1 cm polypropylene. Top corner 5.9 m (19ft-6 in); bottom corner 2.6 m (8 ft-8 in); top side panel 5.9 m; bottom side panel 9.3 m (30 ft-6 in).

Riblines - 1.9 cm (3/4 in) Samson 2 & 1 Duralon™. Top two 34.8 m (114.17 ft) and bottom two 31.8 m (104.45 ft), hung 98% of stretched seam length.

Flotation - Cyclocac® trawl floats, 30.5 cm (12 in) diameter, 21 pieces. Buoyancy 10.2 kg (22.4 lb.) each and rated for 800 m (400 fm) depth.

Codend liner - Nylon, No. 18, 3.2 cm (1-1/4 in) stretched mesh (M), 315 M circumference and 200 M deep, laced to inner bag. When stretched the liner protrudes 61-91 cm (2 to 3 ft) beyond codend.

Restrictors - Polypropylene rope, 2.5 cm (1 in) diameter, 4.3 m (14 ft) circumference and secured loosely to codend at each ribline, 1.2 m (4 ft) apart, 5 pieces.

Splitting gear - 1.3 cm ( $\frac{1}{2}$  in) diameter 6.4 m (21 ft) long galvanized wire rope is passed through four galvanized steel rings which are secured to the codend with 1.3 cm diameter braided nylon "spiders".

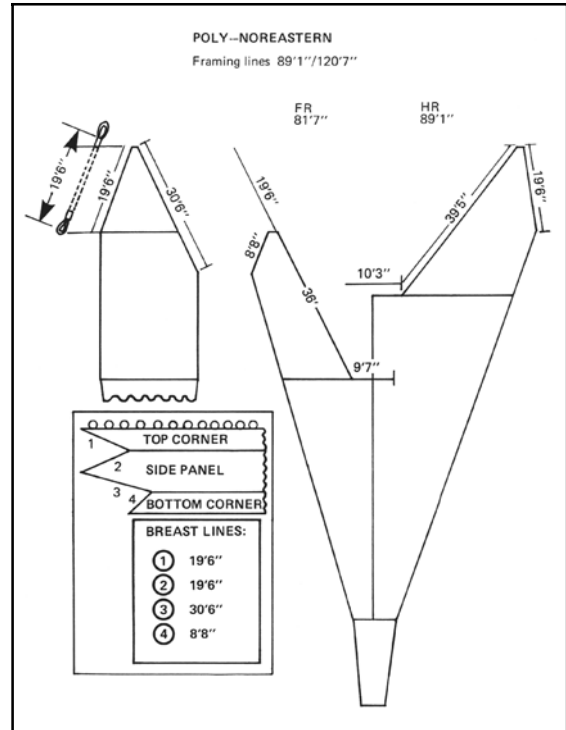
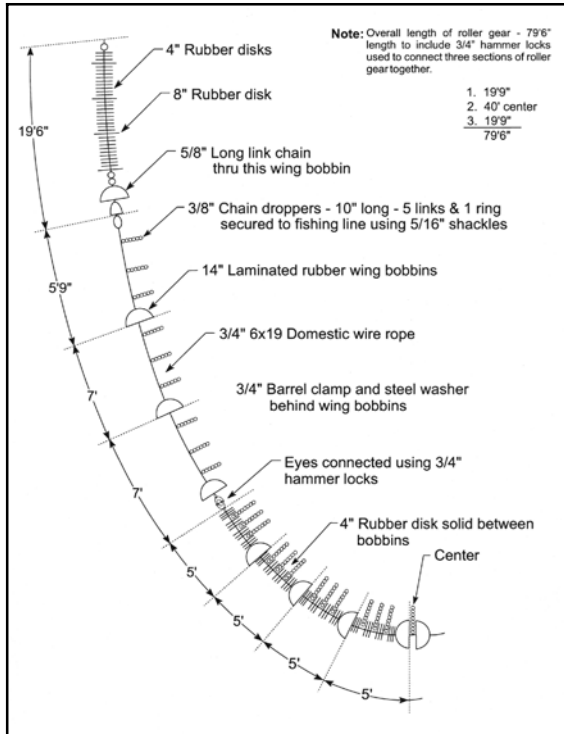
Side seams - Panels are joined to each other gathering 3 M (4 knots) from each panel. Panels that are secured to framing lines have a selvaged edge created by gathering 3 M.

Rigging - 3 dandy lines each side, 1.6 cm ( $\frac{5}{8}$  in) diameter galvanized wire rope, 54.9 m (30 fm) long.

Doors - 1.8 m x 2.7 m (6 x 9 ft), steel V-doors, approximately 800 kg (1,800 lb) each.

Chafing gear - Polypropylene 10 in M, 1 cm ( $\frac{3}{8}$  in) polypropylene rope hog-ringed (or interwoven) together, 46 M circumference and 21 M deep, laced to outer bag 68.5 M up from the pucker rings.

Figure 14. Trawl and accessories diagrams



**Aleutian Islands Survey  
(A1)  
Rigging Plan**

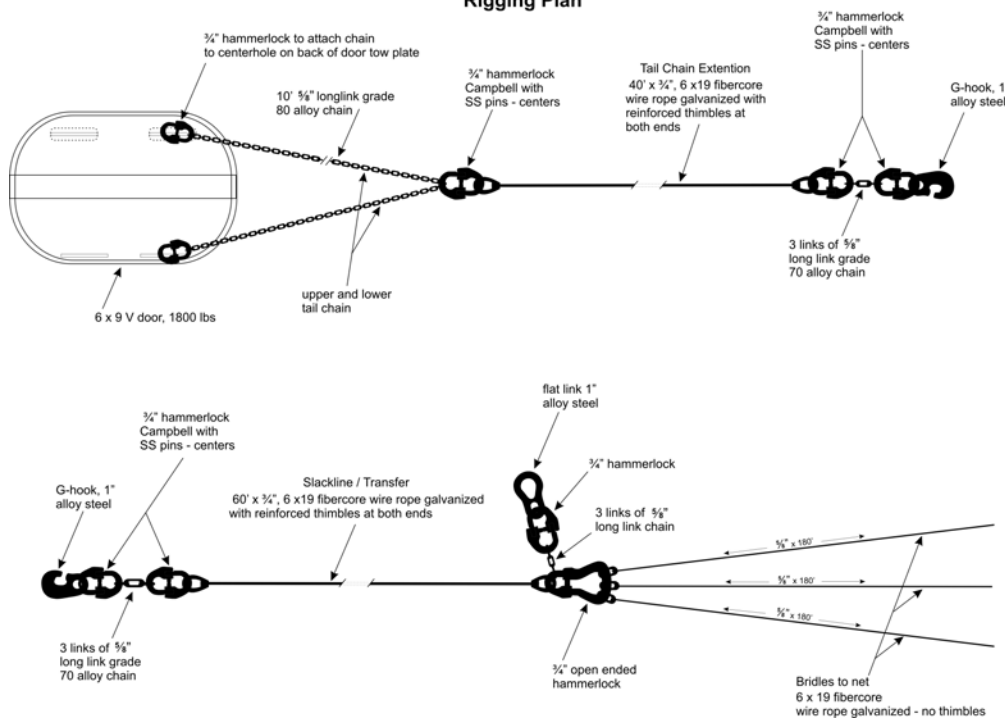


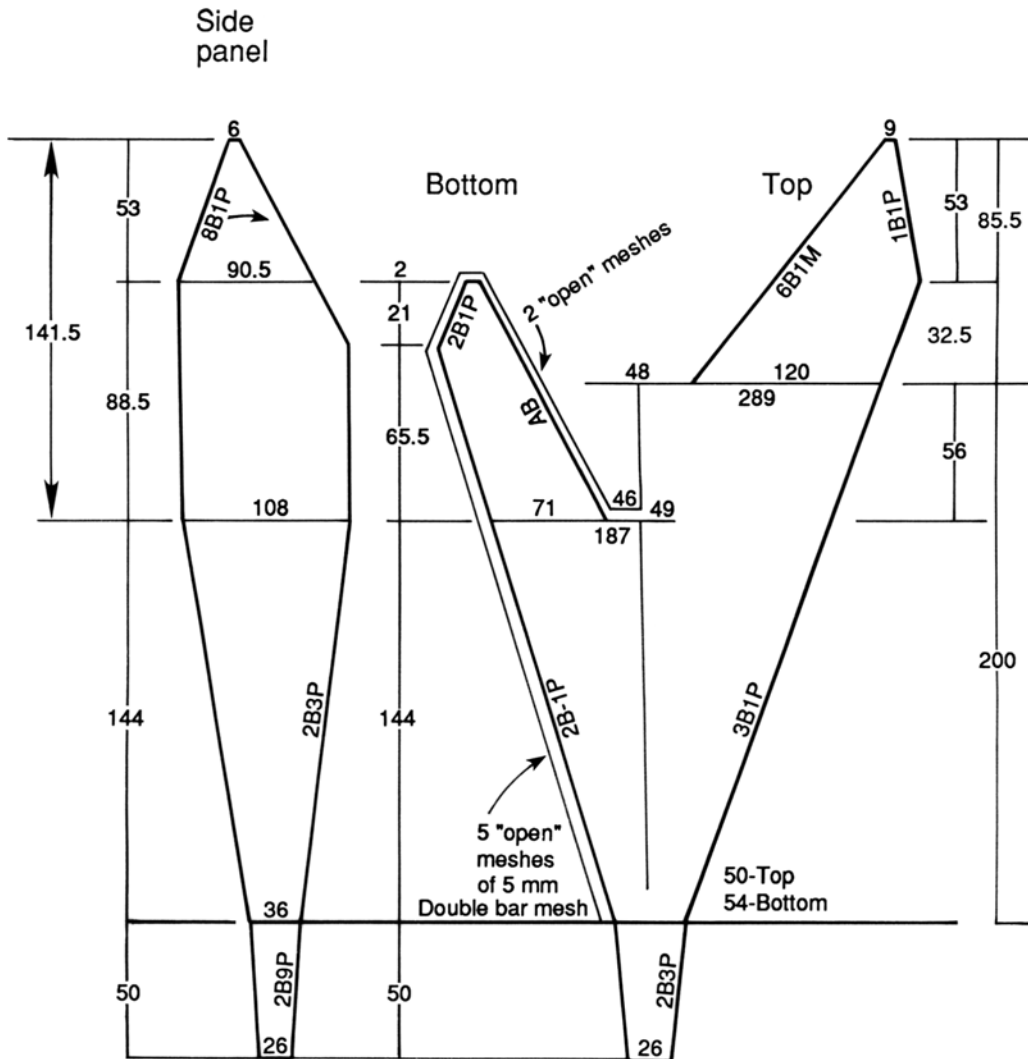
Figure 15. Poly Nor'Eastern Diagram

POLY-NOREASTERN (Race)

Total mesh counts

Twine sizes: top and sides 4mm

bottom and intermediate 5mm



**Web:** Chaffing strip along inside of Bottom wings and Busom. Cut 8 meshes wide.  
 5 mm Double Bar mesh, goring 3 meshes on each side (leaving 2 open meshes).  
 Secure 3 mesh of gore on inside (Bar Cut) of Bottom wings, and securing  
 other gore to footrope (Bolsh).

Date: 3/93