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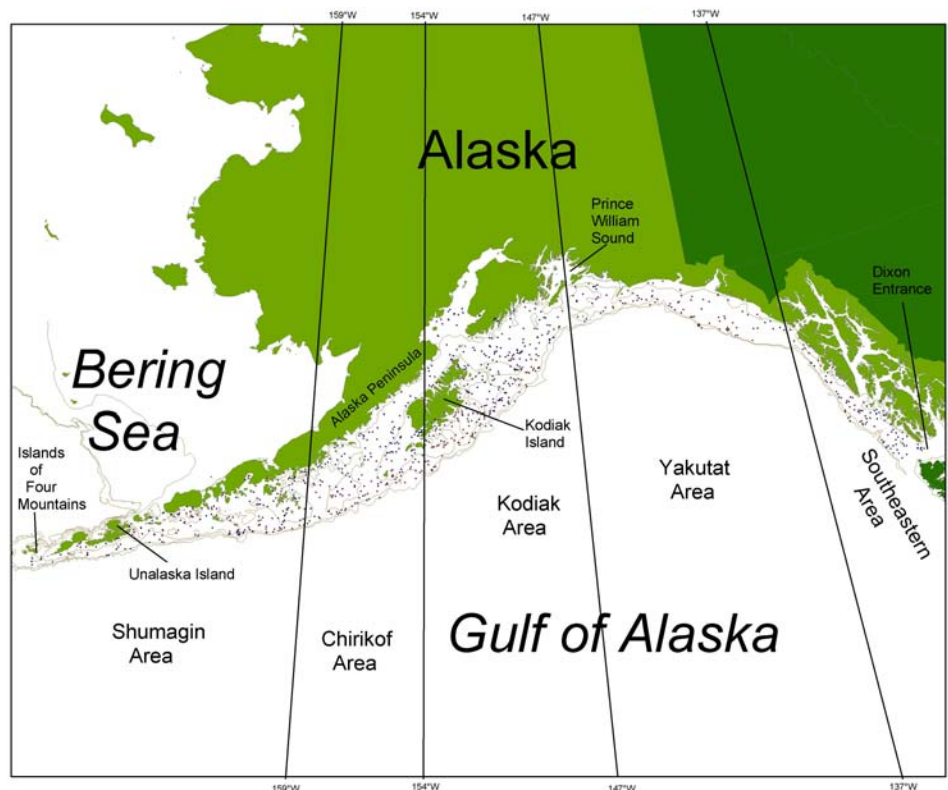
National Marine
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AFSC PROCESSED REPORT 2007-03

Report to Industry: Fishing Log for the 2005 Bottom Trawl Survey of the Gulf of Alaska

April 2007



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This document should be cited as follows:

Raring, N. W. 2007. Report to industry: Fishing log for the 2005 bottom trawl survey of the Gulf of Alaska AFSC Processed Rep. 2007-03, 211 p. Alaska Fish. Sci. Cent., NOAA, Natl. Mar, Fish. Serv., 7600 Sand Point Way NE, Seattle WA 98115.

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REPORT TO INDUSTRY: FISHING LOG FOR THE 2005
BOTTOM TRAWL SURVEY OF THE GULF OF ALASKA

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April 2007

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INTRODUCTION

The ninth in a series of bottom trawl surveys of the Gulf of Alaska groundfish and invertebrate resources was completed during the summer of 2005 by the Resource Assessment and Conservation Engineering (RACE) Division, Alaska Fisheries Science Center (AFSC), National Marine Fisheries Service (NMFS). The design of the 2005 biennial groundfish survey closely followed that used for prior Gulf of Alaska surveys conducted in 1984 (Brown 1986), 1987 (Stark et al. 1988), 1990 (Payne and Stark 1991), 1993 (Payne and Martin 1994), 1996 (Stark 1997), 1999 (Stark and Raring 2000), 2001 (Raring In prep. a), and 2003 (Raring In prep b). The purpose of the surveys is to describe and monitor the current distribution, abundance, and biological condition of the important groundfish stocks and continuation of the time series in support of groundfish stock assessments.

Historically, the Gulf of Alaska has been an important fishing grounds for a variety of groundfish species including Pacific ocean perch (*Sebastes alutus*); walleye pollock (*Theragra chalcogramma*); Pacific cod (*Gadus macrocephalus*); Pacific halibut (*Hippoglossus stenolepis*); sablefish (*Anoplopoma fimbria*); rockfishes (*Sebastes* spp.); arrowtooth flounder (*Atheresthes stomias*); lingcod (*Ophiodon elongatus*); Pacific herring (*Clupea pallasii*); and several invertebrate groups including crabs, scallops, and squid.

The Gulf of Alaska forms the northeastern border of the Pacific Ocean and comprises a complex of bathymetric features ranging from jagged, mountainous pinnacles to muddy gullies. The features provide a wide variety of habitats resulting in a complex ecosystem. The rugged bathymetry prevalent in many areas requires the use of a roller gear footrope for all bottom trawling operations. The survey area included the entire Gulf of Alaska continental shelf out to a depth of 1,000 m. The entire survey area is approximately 320, 648 km².

METHODS

The survey was conducted in four successive legs spanning 81 days aboard each of three chartered commercial trawlers, the FV *Gladiator*, the FV *Northwest Explorer* and FV *Sea Storm*, for an overall survey effort of 243 days at sea. The survey ran from 18 May to 6 August 2005. Sampling began in the area of the Islands of Four Mountains (170° W long.) and proceeded eastward across the Gulf of Alaska to Dixon Entrance (133° 25' W long.) (Fig 1).

Vessels and Gear Characteristics

All three chartered vessels are house-forward stern trawlers with hydraulic net reels and paired constant tension hydraulic trawl winches with 2.54 cm diameter steel cable (2.98 cm diameter for the FV *Northwest Explorer*) approximately 1,800 m in length. All vessels have articulating hydraulic cranes for handling catches and gear. The FV *Gladiator* and FV *Sea Storm* each have a single main diesel engine with a single nozzled propeller. The FV *Gladiator* is 38 m long overall (LOA) with a main engine developing 1,715 continuous horsepower (HP). The FV *Sea Storm* is 37.5 m LOA with a 1,800 HP main engine. The FV *Northwest Explorer* is 49.4 m LOA with twin main engines developing 1,800 continuous HP. Each vessel is equipped with a global positioning system (GPS) integrated with radar, computerized plotting, and autopilot. Other essential electronics supplied by the vessels include color video fish finders, recording depth profilers, and trawl warp measuring systems. The vessel-owned GPS receivers recorded trawling position, time, and trackline position.

All operations were conducted in compliance to standard methods as documented in Appendix 1 of “NOAA Protocols for Groundfish Bottom Trawl Surveys of the Nation’s Fishery Resources” (Stauffer 2004). The standard Poly-Nor’Eastern trawl with roller gear was used exclusively by all vessels to trawl the 865 attempted survey stations. The headrope is made of galvanized wire rope and is 27.2 m long with twenty-one 30-cm diameter plastic floats. The footrope is constructed of the same material and is 24.2 m

long with sixteen 35.6-cm diameter rubber wing bobbins. The net was spread with 1.8×2.7 m steel V-doors weighing approximately 800 kg each.

A SCANMAR net mensuration system measured net width (wingtip-to-wingtip) and headrope height and communicated these measurements acoustically to a recording computer in real time. After the haul was completed, data from a footrope mounted bottom contact sensor developed by the RACE Division was used to determine the actual time on bottom for the trawl. Depth of each tow was measured and monitored with a bathythermograph mounted on the headrope of the net.

Survey Design and Operations

The 2005 survey design employed a stratified random sampling design consistent with previous surveys. The Gulf of Alaska was divided into 59 strata categorized by depth interval, type of geographical area (e.g., banks, gullies, and slopes) and International North Pacific Fisheries Commission (INPFC) statistical area boundaries (Fig.1). Depth intervals were defined as less than 100, 101-200, 201-300, 301-500, 501-700 and 701-1,000 m. Within each stratum the sampling density was assigned based on expected catch rate variances and ex-vessel value for selected species from past surveys, with an imposed minimum of two samples per stratum. After the number of stations was allocated to each stratum, station grid cells were chosen randomly from a 5×5 km grid laid over the survey area. All trawling procedures and protocols are described in Stauffer (2004).

During survey operations, the first trawlable location encountered in the assigned grid cell was sampled. In choosing the exact location, only the trawlability of the bottom, as indicated by the echo sounder, was considered and not the presence or absence of fish sign. The target tow duration on the sea bottom was 15 minutes. In cases where there was not enough trawlable bottom for a full 15 minute tow, shorter tows were completed. Attempts were made to maintain constant bottom depth, trawl wingspread, and towing

speed (3 knots) during each tow. However, when depths changed significantly, the trawl warp was adjusted to maintain wingspread and bottom contact. The trawl opening tended to increase horizontally and decrease vertically with depth due to the increased amount of deployed trawl cable.

Catches weighing less than approximately 1,000 kg were completely sorted to species, weighed, and counted. Larger catches were completely sorted also, however weights and numbers of the most abundant species were determined either by weighing with a load cell or by using volumetric calculations and extrapolation. Biological data and specimens collected included fish lengths and weights, age structures, sexual maturities and special collections of stomachs, tissues, whole fish, and invertebrates. Individual fish weight data were collected using a Marel motion-compensated electronic scale.

Water temperature profiles were collected at each station using a headrope-mounted bathythermograph data logger and additional sea surface temperatures were measured using calibrated bucket thermometers. A more detailed account of relative abundance and biomass estimates of the major groundfish species will appear in a future AFSC Technical Memorandum.

RESULTS

Sampling operations proceeded east from the Islands of Four Mountains along the shelf to Dixon Entrance in depths ranging from 22 to 992 m. A total of 839 successful hauls were completed of an 865 attempted tows. The average net opening was 16 m wide by 6.7 m high. Survey tow duration averaged 15.52 minutes, distance fished averaged 1.44 km and towing speed averaged 5.6 km (3.0 nautical miles) per hour over the bottom. Net dimensions and towing speed and duration data fell within expected values (Stauffer 2004).

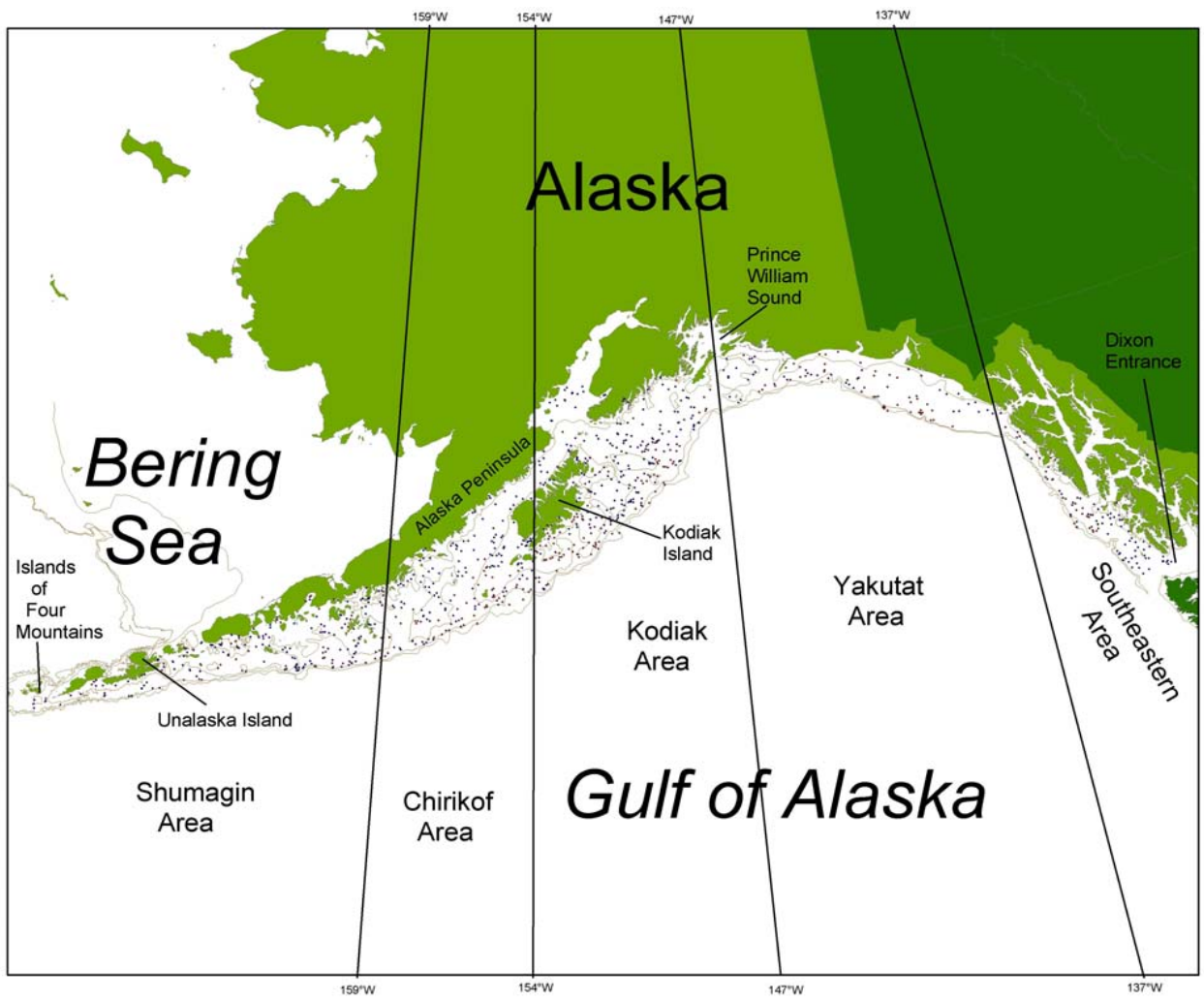


Figure 1. -- Survey stations attempted during the 2005 NMFS biennial Gulf of Alaska bottom trawl survey. Meridians shown define INPFC Area boundaries.

Catches included more than 180 species of fish and 340 species of invertebrates. The dominant fish species are ranked by mean catch per unit effort in Table 1, expressed as kilograms of catch per hectare (10,000 m²) of bottom area within each of the five sampled INPFC statistical areas. The species highest in total catch abundance (by weight) over the entire survey area were arrowtooth flounder (59.37 kg/ha), Pacific ocean perch (23.95 kg/ha), giant grenadier (18.35 kg/ha) and Pacific halibut (17.65 kg/ha). Catch rates were generally highest in the Shumagin INPFC area (170° W long. to 159° W long.) followed by the Kodiak INPFC area (154° W long. to 147° W long.). The Shumagin INPFC area had the highest catch rate of walleye pollock (21.38 kg/ha) as well as Pacific ocean perch (38.47 kg/ha, respectively) and Pacific cod (20.55 kg/ha), while the Kodiak INPFC area produced the highest rate for Pacific halibut (27.64 kg/ha) and arrowtooth flounder (87.23 kg/ha). Catch rates were generally lowest in the Yakutat and Southeast INPFC areas (147° W long. to Dixon Entrance). Estimates of invertebrate catch rates are probably conservative as a consequence of using roller gear footropes on the trawls. Deepwater species occurring in catches along the continental slope included the grenadier family, sablefish, shortspine thornyhead (*Sebastolobus alascanus*), longspine thornyhead (*Sebastolobus altivelis*) and shortraker rockfish (*Sebastes borealis*).

The biological data collected to determine length frequency distributions included measurements of over 291,000 fish representing 90 species. Specimen data were collected from 51 species including 14 rockfish, 8 flatfish, 6 skates, 5 salmonids, 3 gadids, and 2 sharks. The specimen data collection included 11,988 age structures and 13,347 individual weight measurements. Additionally, over 1,753 stomach samples were collected from 13 different species for AFSC trophic interaction studies.

Oceanographic data included sea temperature measurements and bottom type classification. Sea surface temperatures were measured at 897 survey stations and averaged 10.83°C with a range of 5.1°C to 17.0°C. Bottom temperatures (fishing depth) were taken from 894 stations and averaged 5.77°C with a range of 3.1°C to 10.7°C.

ORGANIZATION OF REPORT AND DATA STANDARDIZATIONS

The purpose of this report is to provide the fishing industry and public with pertinent catch information collected by the survey vessels. The report focuses on data collected at individual stations for the principal species encountered during the survey. The fishing results are presented in Section 1 for the FV *Gladiator*, Section 2 for the FV *Northwest Explorer*, and Section 3 for the FV *Sea Storm*. Each section has two parts: 1) station charts with haul numbers plotted adjacent to their respective geographical locations and 2) summary listings of species caught in each haul. A combined fishing log for all three vessels showing catches ranked by weight for selected commercial species is listed in Section 4. The combined fishing log includes catches of rockfish species, Atka mackerel (*Pleurogrammus monopterygius*), walleye pollock, Pacific cod, flatfish species, lingcod, Pacific herring, king and Tanner crab, scallops, shrimp, octopus, and red squid (*Berryteuthis magister*). Hauls without catches and special invertebrate hauls were omitted from the catch listings.

Explanations of the gear performance codes appearing in the fishing logs are summarized in Table 2. Fishing gear specifications and diagrams are presented in Section 5.

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Table 1.--Mean CPUE (kg/ha) for the 20 most abundant groundfish and total sampling effort in each INPFC Area during the 2005 Gulf of Alaska survey.

<u>Shumagin area</u>	<u>CPUE</u>	<u>Chirikof area</u>	<u>CPUE</u>	<u>Kodiak area</u>	<u>CPUE</u>
Pacific ocean perch	38.47	Arrowtooth flounder	81.68	Arrowtooth flounder	87.23
Giant grenadier	36.88	Giant grenadier	18.97	Pacific ocean perch	29.58
Northern rockfish	35.44	Northern rockfish	15.08	Pacific halibut	27.64
Arrowtooth flounder	33.00	Pacific halibut	12.76	Giant grenadier	17.04
Walleye pollock	21.38	Pacific cod	11.74	Walleye pollock	14.19
Pacific cod	20.55	Pacific ocean perch	11.08	Sablefish	13.10
Pacific halibut	17.04	Walleye pollock	8.93	Flathead sole	8.46
Atka mackerel	14.91	Flathead sole	8.26	Pacific cod	7.90
Dusky rockfish	10.62	Sablefish	8.16	Dusky rockfish	5.92
Southern rock sole	9.81	Dusky rockfish	5.62	Southern rock sole	4.86
Flathead sole	9.12	Rex sole	4.13	Rex sole	3.20
Northern rock sole	8.99	Southern rock sole	3.72	Rougheye rockfish	2.63
Sablefish	4.84	Pacific sleeper shark	3.26	Dover sole	2.61
Harlequin rockfish	4.09	Eulachon	2.40	Shortspine thornyhead	2.61
Yellowfin sole	3.57	Shortspine thornyhead	2.34	Northern rockfish	2.48
Shortspine thornyhead	3.37	Aleutian skate	2.09	Eulachon	2.41
Dark rockfish	3.29	Northern rock sole	1.83	Longnose skate	2.13
Black rockfish	2.65	Dover sole	1.82	Northern rock sole	2.01
Starry flounder	2.47	Big skate	1.63	Pacific sleeper shark	1.86
Rex sole	1.96	Longnose skate	1.21	Yellowfin sole	1.73
Number of hauls	180	Number of hauls	177	Number of hauls	293

<u>Yakutat area</u>	<u>CPUE</u>	<u>Southeastern area</u>	<u>CPUE</u>	<u>All areas</u>	<u>CPUE</u>
Arrowtooth flounder	29.80	Arrowtooth flounder	26.02	Arrowtooth flounder	59.37
Pacific ocean perch	13.58	Pacific ocean perch	22.20	Pacific ocean perch	23.95
Pacific halibut	7.68	Pacific halibut	15.15	Giant grenadier	18.35
Giant grenadier	7.17	Pacific herring	14.06	Pacific halibut	17.65
Sablefish	5.75	Silvergray rockfish	9.95	Walleye pollock	11.91
Spiny dogfish	5.12	Walleye pollock	8.32	Northern rockfish	11.22
Dover sole	4.40	Spotted ratfish	7.93	Pacific cod	9.63
Shortspine thornyhead	3.36	Rex sole	5.83	Sablefish	8.40
Shorthead rockfish	2.95	Sablefish	5.62	Flathead sole	6.66
Walleye pollock	2.39	Pacific hake	5.31	Dusky rockfish	5.33
Eulachon	2.38	Dover sole	4.87	Southern rock sole	4.62
Rex sole	2.02	Lingcod	4.37	Rex sole	3.16
Flathead sole	1.99	Shortspine thornyhead	3.97	Atka mackerel	3.15
Lingcod	1.95	Pacific cod	3.88	Shortspine thornyhead	2.96
Silvergray rockfish	1.89	Southern rock sole	2.75	Northern rock sole	2.86
Longnose skate	1.53	English sole	2.24	Dover sole	2.52
Pacific herring	0.96	Rougheye rockfish	2.23	Pacific sleeper shark	1.78
Rougheye rockfish	0.89	Redstripe rockfish	2.12	Eulachon	1.72
Sharpchin rockfish	0.84	Sharpchin rockfish	1.93	Yellowfin sole	1.52
Harlequin rockfish	0.77	Giant grenadier	1.32	Spiny dogfish	1.50
Number of hauls	92	Number of hauls	97	Number of hauls	839

Table 2.--Performance codes used during the 2005 Gulf of Alaska bottom trawl survey.

Codes	Performance
0	Good performance
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
2.1	Satisfactory performance, wing damaged
2.4	Satisfactory performance, belly damaged
3.13	Satisfactory performance, Alaskan crab pot
3.2	Satisfactory performance, caught on longline gear
4	Satisfactory performance, caught unspecified object
4.1	Satisfactory performance, caught large rock
4.4	Satisfactory performance, large fish catch affected net performance
4.6	Satisfactory performance, large kelp catch affected performance
5	Satisfactory performance, unspecified gear performance problem
5.1	Satisfactory performance, net came off bottom
5.2	Satisfactory performance, net improperly configured, unspecified reason
5.41	Satisfactory performance, door digging or falling over
5.5	Satisfactory performance, net crabbing severely
5.8	Satisfactory performance, light footrope contact
6	Satisfactory, unspecified problems
6.1	Satisfactory performance, depth change over tow exceeds survey defined limits
6.22	Satisfactory performance, wire out greater than recommended scope
6.24	Satisfactory performance, scope changed during tow
6.3	Satisfactory performance, unspecified mechanical problems
6.31	Satisfactory performance, haulback delayed due to mechanical problems
-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	Unsatisfactory performance, unspecified gear damage
-2.1	Unsatisfactory performance, wing damaged
-2.2	Unsatisfactory performance, breastline damaged
-2.4	Unsatisfactory performance, belly damaged
-2.5	Unsatisfactory performance, bridle damaged
-2.7	Unsatisfactory performance, net completely destroyed

Table 2.--(Continued)

-3.1	Unsatisfactory performance, caught pot, unspecified type
-3.13	Unsatisfactory performance, Alaskan crab pot
-4	Unsatisfactory performance, caught unspecified object
-4.1	Unsatisfactory performance, caught large rock
-4.4	Unsatisfactory performance, large fish catch affected net performance
-4.6	Unsatisfactory performance, large kelp catch affected performance
-5.1	Unsatisfactory performance, net came off bottom
-5.2	Unsatisfactory performance, net improperly configured, unspecified reason
-5.23	Unsatisfactory performance headrope/footrope tangled
-5.6	Unsatisfactory performance, codend not closed properly
-5.7	Unsatisfactory performance, net unable to reach bottom due to strong currents
-5.8	Unsatisfactory performance, light footrope contact
-6	Unsatisfactory performance, unspecified problems
-6.1	Unsatisfactory performance, depth change over tow exceeded normal limits

Section 1

Fishing Log for the FV *Gladiator*

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

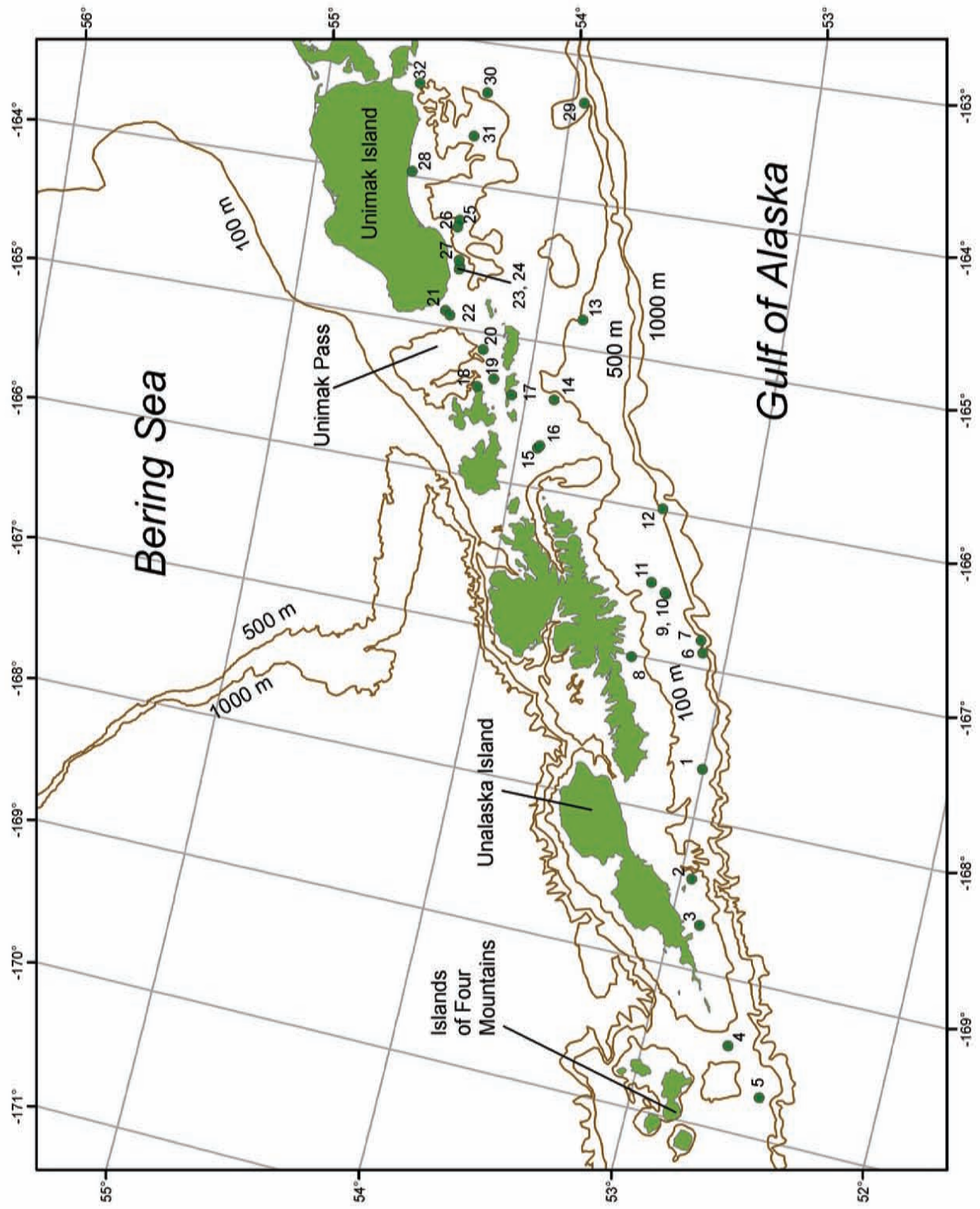


Figure 2. Stations surveyed by the chartered trawler *FV Gladiator* from the Islands of Four Mountains to Unimak Island.

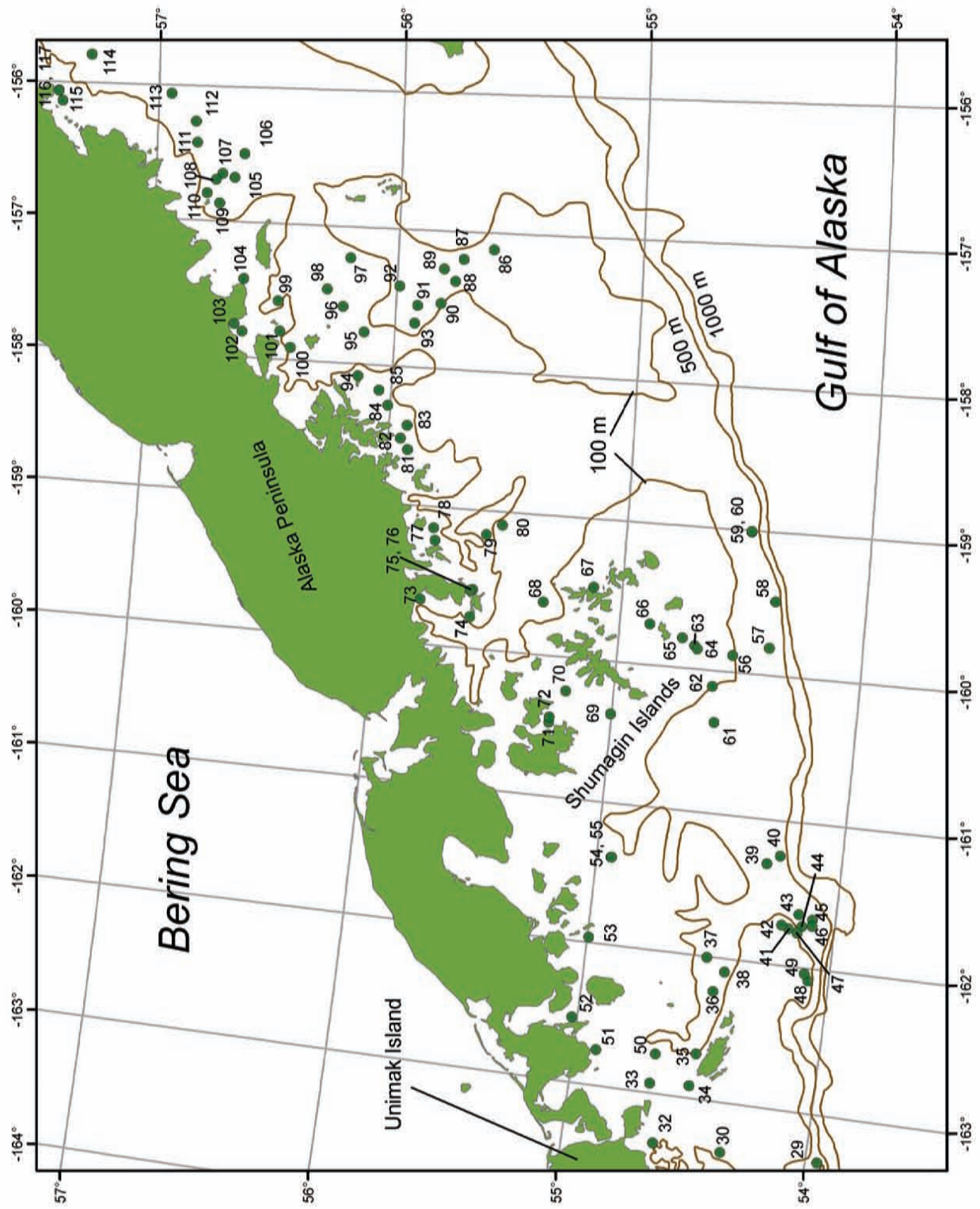


Figure 3.--Stations surveyed by the chartered trawler FV *Gladiator* in the vicinity of the western Alaska Peninsula.

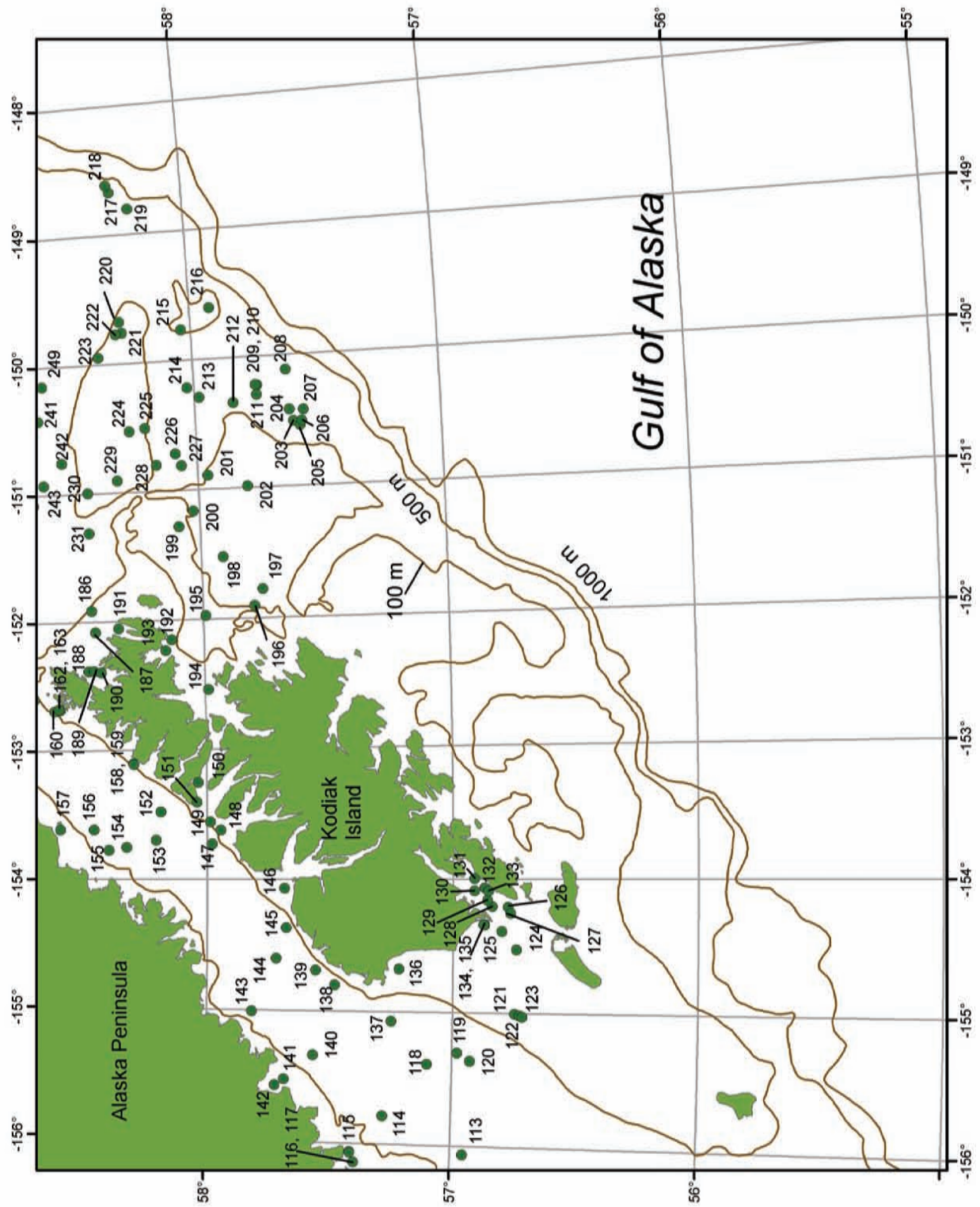


Figure 4. Stations surveyed by the chartered trawler *FV Gladiator* in the vicinity of Kodiak Island.

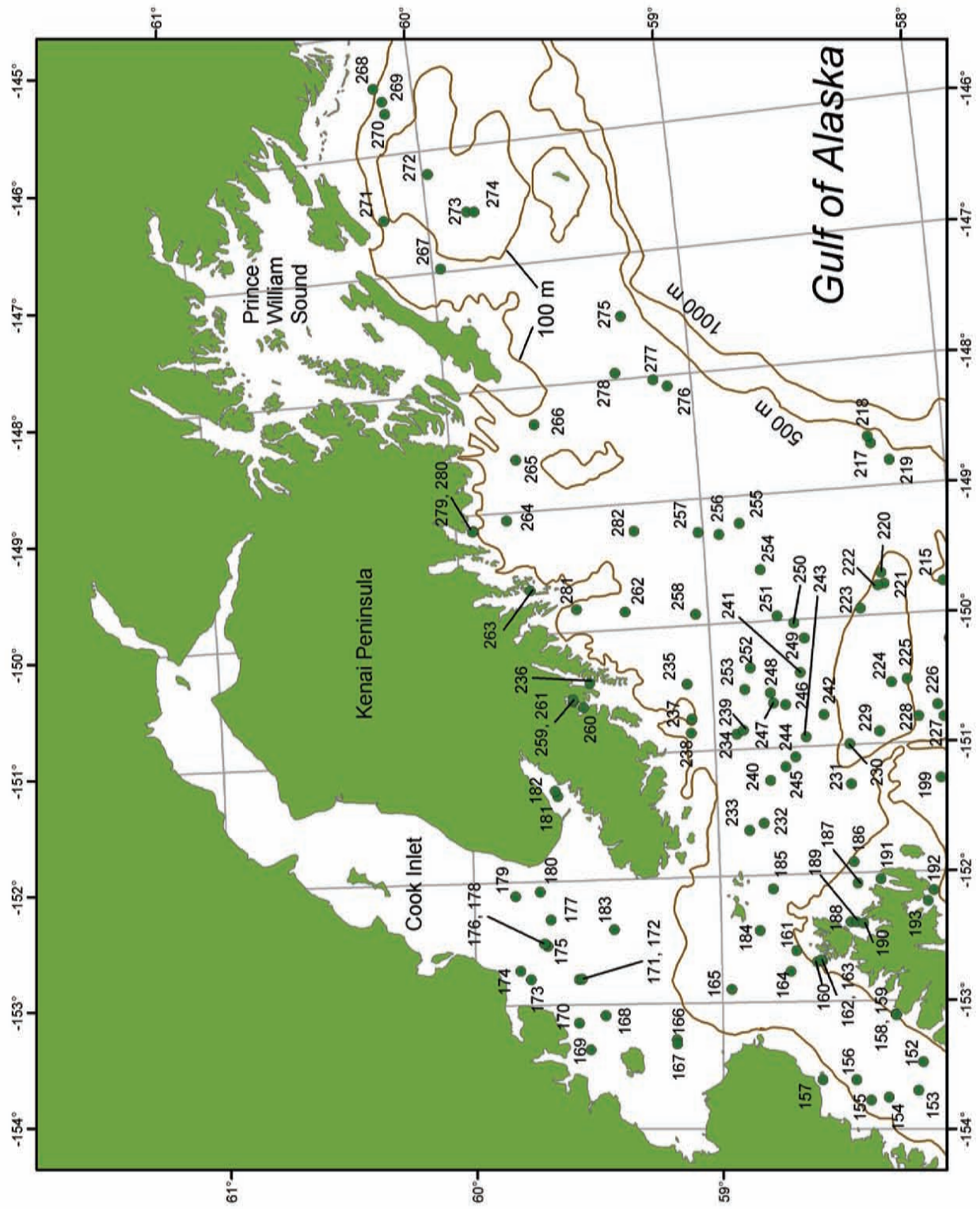


Figure 5.---Stations surveyed by the chartered trawler FV *Gladiator* from Cook Inlet to Prince William Sound.

Section 1 (continued)

Fishing Log for the FV *Gladiator*

- 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 minutes
- Distance fished in kilometers
- Catch weight in kilograms of principal species
- Total catch weight in kilograms of all species

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	1	2	3	4	5	7	8
Start date and time	05/22/05 08	05/22/05 13	05/22/05 17	05/23/05 14	05/23/05 17	05/24/05 12	05/24/05 15
Start latitude	N 5300.29	N 5257.27	N 5252.91	N 5239.35	N 5228.90	N 5306.89	N 5322.88
Start longitude	W 16739.74	W 16824.01	W 16841.59	W 16926.17	W 16943.56	W 16648.69	W 16700.56
End latitude	N 5259.50	N 5257.40	N 5252.41	N 5239.90	N 5229.84	N 5307.04	N 5322.12
End longitude	W 16739.82	W 16825.30	W 16840.64	W 16926.38	W 16943.49	W 16647.41	W 16700.90
Bottom depth (m)	111	87	95	253	242	404	83
Duration (minutes)	17.4	17.4	16.8	11.4	18	15.6	16.2
Distance fished (km)	1.477	1.496	1.45	1.075	1.75	1.475	1.494
Performance	0	0	0	5.1	4.4	0	0
Atka mackerel	0	22	2	0	< 1	0	0
Pacific cod	20	101	19	23	4	0	< 1
Walleye pollock	376	1	1	28	4	0	0
Pacific ocean perch	0	0	0	< 1	15035	< 1	< 1
Northern rockfish	< 1	0	0	0	0	0	749
Shortraker rockfish	0	0	0	0	0	18	0
Rougheye rockfish	0	0	0	2	0	16	1
Shortspine thornyhead	0	0	0	0	0	19	0
Dusky rockfish	1	0	0	0	0	0	62
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	36	43	0
Arrowtooth flounder	6	23	10	12	143	2	11
Pacific halibut	10	55	4	3	11	0	20
Northern rock sole	12	4	18	< 1	0	0	6
Southern rock sole	8	16	52	< 1	0	0	62
Flathead sole	0	0	0	0	2	0	0
Rex sole	1	0	0	0	6	0	< 1
Dover sole	0	0	0	0	0	4	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	5	0	0	3	0
Skate unident.	0	0	0	5	3	0	2
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	38	5	0	< 1	0	< 1
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	< 1	0	11	< 1	< 1	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	0	0	0	369	0
Other fish	0	< 1	< 1	< 1	< 1	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.	0	2	< 1	0	0	0	0
Magistrate armhook squid	0	0	0	3	2	0	0
Sponge	0	8	4	43	3	< 1	< 1
Starfish	< 1	4	< 1	< 1	< 1	< 1	< 1
Soft coral	0	< 1	0	< 1	0	0	0
Stony coral unident.	0	0	0	< 1	< 1	0	0
Octopus	0	0	0	< 1	0	0	0
Snail	0	4	< 1	< 1	0	< 1	< 1
Other invertebrate	3	23	3	2	2	< 1	3
Total catch (kg)	438	300	124	134	15254	476	918

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	9	10	11	12	13	14	16
Start date and time	05/24/05 19	05/24/05 19	05/27/05 07	05/27/05 10	05/27/05 16	05/27/05 19	05/27/05 22
Start latitude	N 5317.50	N 5317.78	N 5321.49	N 5322.10	N 5349.35	N 5353.03	N 5354.56
Start longitude	W 16632.88	W 16632.26	W 16629.24	W 16558.87	W 16448.09	W 16522.60	W 16542.34
End latitude	N 5317.54	N 5317.52	N 5321.68	N 5322.51	N 5349.74	N 5352.52	N 5355.17
End longitude	W 16632.77	W 16633.77	W 16627.92	W 16557.69	W 16449.37	W 16521.71	W 16543.18
Bottom depth (m)	226	233	171	472	103	94	91
Duration (minutes)	1.8	20.4	16.2	16.8	16.2	16.2	16.2
Distance fished (km)	0.148	1.79	1.52	1.523	1.605	1.392	1.496
Performance	-5.7	0	0	0	0	0	0
Atka mackerel	0	0	0	0	1	< 1	0
Pacific cod	0	2	5	0	20	19	2
Walleye pollock	4	4	92	0	0	0	< 1
Pacific ocean perch	10	941	3	0	230	0	0
Northern rockfish	0	0	4	0	621	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	0	0	0
Shortspine thornyhead	< 1	31	3	66	2	0	0
Dusky rockfish	0	2	0	0	333	0	0
Other rockfish	0	1	0	0	8	0	0
Sablefish	3	< 1	2	49	0	0	0
Arrowtooth flounder	1	18	23	2	7	121	9
Pacific halibut	0	0	0	10	55	16	50
Northern rock sole	0	0	9	0	< 1	3	16
Southern rock sole	0	0	0	0	2	65	42
Flathead sole	< 1	< 1	< 1	0	< 1	< 1	0
Rex sole	4	30	13	< 1	5	1	0
Dover sole	0	1	2	2	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	2	0	0	0	0
Skate unident.	0	< 1	< 1	0	0	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	< 1
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	< 1	0	0	0	0	< 1
Smelts	0	< 1	0	0	0	0	0
Giant grenadier	0	0	0	213	0	0	0
Other fish	0	< 1	0	2	24	0	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.	0	0	0	0	< 1	0	0
Magistrate armhook squid	3	2	0	< 1	0	0	0
Sponge	0	2	2	< 1	20	2	< 1
Starfish	0	< 1	< 1	< 1	< 1	0	0
Soft coral	0	< 1	0	< 1	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	0	2	< 1	0	1	0	0
Other invertebrate	< 1	< 1	< 1	< 1	11	< 1	< 1
Total catch (kg)	28	1040	159	345	1342	230	121

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	17	18	19	20	21	22	23
Start date and time	05/28/05 07	05/28/05 10	05/28/05 12	05/28/05 14	05/28/05 17	05/28/05 19	05/29/05 07
Start latitude	N 5403.53	N 5412.31	N 5408.51	N 5412.29	N 5422.99	N 5421.70	N 5421.11
Start longitude	W 16523.60	W 16522.48	W 16518.25	W 16507.01	W 16453.44	W 16455.03	W 16434.57
End latitude	N 5403.48	N 5412.06	N 5409.19	N 5412.34	N 5422.48	N 5421.14	N 5421.18
End longitude	W 16525.01	W 16522.16	W 16519.28	W 16508.42	W 16452.79	W 16454.36	W 16433.24
Bottom depth (m)	44	67	65	82	61	68	86
Duration (minutes)	16.8	8.4	18.6	17.4	12	14.4	16.8
Distance fished (km)	1.561	0.59	1.733	1.549	1.195	1.298	1.46
Performance	0	-1	0	0	-1	5.8	-5.8
Atka mackerel	1	323	299	0	0	0	0
Pacific cod	19	< 1	0	0	15	7	4
Walleye pollock	0	0	0	0	4	0	5
Pacific ocean perch	0	0	0	0	0	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	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
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	30	0	0	2	4	0	24
Pacific halibut	71	2	81	29	59	38	21
Northern rock sole	107	0	1	4	21	< 1	8
Southern rock sole	21	0	0	16	1	0	< 1
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
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	116	0	0	0	0	0	2
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	43	10	5	153	44	1
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	3	31	28	2	33	0	0
Other sculpins	0	3	0	< 1	4	0	1
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	33	< 1	0	9	< 1	9
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	< 1	< 1	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	< 1	631	113	0	9	0	< 1
Starfish	0	9	32	< 1	1	0	0
Soft coral	0	< 1	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	0	0	11	0	0
Snail	0	< 1	1	< 1	< 1	0	0
Other invertebrate	< 1	93	80	8	31	< 1	5
Total catch (kg)	367	1168	647	68	357	91	82

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	24	25	26	27	28	29	30
Start date and time	05/29/05 08	05/29/05 10	05/29/05 12	05/29/05 13	05/29/05 17	05/30/05 07	05/30/05 14
Start latitude	N 5421.29	N 5423.01	N 5423.28	N 5421.67	N 5436.37	N 5357.06	N 5420.87
Start longitude	W 16435.35	W 16415.13	W 16418.17	W 16431.79	W 16357.83	W 16319.29	W 16320.65
End latitude	N 5421.44	N 5422.21	N 5422.50	N 5421.56	N 5436.32	N 5357.85	N 5420.07
End longitude	W 16434.04	W 16415.46	W 16417.76	W 16433.12	W 16359.26	W 16319.78	W 16321.08
Bottom depth (m)	86	100	94	83	47	98	64
Duration (minutes)	16.2	16.8	16.8	16.8	16.8	16.8	18
Distance fished (km)	1.457	1.565	1.553	1.466	1.562	1.606	1.602
Performance	-5.8	6.1	0	0	0	4.4	0
Atka mackerel	< 1	0	2	0	0	2565	0
Pacific cod	7	33	0	41	104	3772	23
Walleye pollock	23	22	< 1	37	15	0	0
Pacific ocean perch	0	0	0	0	0	45	0
Northern rockfish	0	0	0	0	0	6263	0
Shortraker rockfish	0	0	0	0	0	8	0
Rougheye rockfish	0	0	0	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	0	0	0	386	2
Other rockfish	0	0	0	0	0	37	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	40	117	176	53	31	12	84
Pacific halibut	30	104	136	36	123	129	93
Northern rock sole	8	12	71	9	92	15	27
Southern rock sole	4	4	17	2	3	8	38
Flathead sole	2	6	15	17	2	0	13
Rex sole	0	3	0	0	0	17	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	2	0	0
Other flatfish	0	< 1	0	0	35	0	0
Salmon	3	0	0	0	0	0	0
Skate unident.	0	11	14	0	0	14	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	2	< 1	0	0	0	4	3
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	6	0
Other sculpins	0	0	0	0	0	0	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	3	< 1	5	0	0	45	9
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	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	0	0	0	0	0
Sponge	< 1	< 1	< 1	< 1	< 1	< 1	6
Starfish	< 1	0	0	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	0	< 1	< 1	0	< 1	< 1	< 1
Other invertebrate	< 1	< 1	< 1	< 1	< 1	8	74
Total catch (kg)	122	314	438	195	407	13336	372

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	31	32	33	34	35	36	37
Start date and time	05/30/05 16	05/30/05 20	05/31/05 07	05/31/05 10	05/31/05 12	05/31/05 14	05/31/05 16
Start latitude	N 5422.67	N 5437.56	N 5440.24	N 5430.62	N 5430.00	N 5427.75	N 5430.30
Start longitude	W 16339.37	W 16320.64	W 16255.77	W 16254.77	W 16241.09	W 16214.07	W 16200.19
End latitude	N 5421.90	N 5437.39	N 5439.56	N 5430.60	N 5429.30	N 5427.100	N 5429.55
End longitude	W 16338.83	W 16319.79	W 16255.02	W 16253.17	W 16240.33	W 16215.32	W 16200.74
Bottom depth (m)	110	76	85	58	109	145	142
Duration (minutes)	17.4	10.8	16.8	19.2	16.8	15	16.8
Distance fished (km)	1.584	0.977	1.53	1.753	1.573	1.45	1.557
Performance	0	5.1	0	0	0	0	0
Atka mackerel	0	0	0	0	< 1	1	1
Pacific cod	10	20	1	24	1	4	2
Walleye pollock	2	7	6	0	57	18	9
Pacific ocean perch	0	0	0	0	0	< 1	0
Northern rockfish	0	59	0	0	0	< 1	0
Shortraker rockfish	0	0	0	0	0	0	4
Rougheye rockfish	0	0	0	0	0	3	< 1
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	118	0	0	0	0	0
Other rockfish	0	363	0	2	0	0	0
Sablefish	2	0	0	0	0	0	0
Arrowtooth flounder	121	13	104	12	79	359	120
Pacific halibut	27	48	37	29	28	31	42
Northern rock sole	0	31	71	65	0	< 1	< 1
Southern rock sole	0	64	16	127	< 1	< 1	0
Flathead sole	23	17	94	5	51	39	29
Rex sole	16	0	5	0	41	9	10
Dover sole	0	0	0	0	1	1	2
Yellowfin sole	0	0	< 1	0	0	0	0
Other flatfish	0	0	5	< 1	1	0	0
Salmon	9	0	0	0	0	0	0
Skate unident.	< 1	0	2	0	0	0	0
Shark unident.	0	42	29	0	0	76	0
Yellow Irish lord	0	9	3	18	2	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	3	3	0	0	0	0
Other sculpins	0	< 1	0	< 1	0	0	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	2	5	< 1	< 1	< 1	< 1
Bairdi Tanner crab	0	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	0	0	< 1	0	< 1	< 1	< 1
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	0	0	0	< 1	0	0	0
Starfish	1	0	< 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	< 1	0	< 1
Other invertebrate	15	178	2	31	5	< 1	1
Total catch (kg)	225	974	384	316	269	546	222

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	38	39	40	43	44	45	46
Start date and time	05/31/05 18	06/01/05 07	06/01/05 09	06/01/05 17	06/01/05 18	06/02/05 07	06/02/05 09
Start latitude	N 5425.57	N 5418.32	N 5415.20	N 5409.09	N 5408.00	N 5405.67	N 5405.55
Start longitude	W 16205.46	W 16118.33	W 16114.57	W 16138.00	W 16142.66	W 16139.62	W 16142.20
End latitude	N 5425.13	N 5418.13	N 5415.10	N 5408.74	N 5407.53	N 5405.60	N 5405.64
End longitude	W 16204.30	W 16119.85	W 16115.86	W 16139.43	W 16143.84	W 16141.02	W 16140.99
Bottom depth (m)	147	147	424	108	99	242	255
Duration (minutes)	16.8	18	15.6	18	17.4	16.2	16.8
Distance fished (km)	1.532	1.708	1.438	1.705	1.584	1.54	1.351
Performance	0	0	0	0	0	-4.1	0
Atka mackerel	2	0	0	0	356	0	0
Pacific cod	0	10	0	29	96	4	0
Walleye pollock	12	50	0	0	0	6	11
Pacific ocean perch	< 1	7	0	8	1013	12	3598
Northern rockfish	0	< 1	0	25	750	0	0
Shortraker rockfish	0	0	0	0	0	28	222
Rougheye rockfish	0	1	0	0	0	107	51
Shortspine thornyhead	0	40	27	0	0	203	79
Dusky rockfish	0	3	0	5	178	2	0
Other rockfish	0	0	0	< 1	14	4	0
Sablefish	0	53	114	0	0	63	19
Arrowtooth flounder	37	29	16	235	19	193	29
Pacific halibut	41	3	80	68	54	6	5
Northern rock sole	< 1	0	0	3	0	0	0
Southern rock sole	0	0	0	11	11	0	0
Flathead sole	30	0	0	0	0	0	0
Rex sole	18	16	0	< 1	0	< 1	1
Dover sole	< 1	< 1	0	0	0	2	3
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	11	0	1	35	20	17	5
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	4	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	< 1	0	0	0	3	1
Smelts	< 1	0	0	0	0	0	0
Giant grenadier	0	0	286	0	0	28	21
Other fish	< 1	< 1	< 1	5	57	6	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	< 1	< 1	0	0	0	0	0
Sidestripe shrimp	0	< 1	< 1	0	0	< 1	0
Scallop unident.	0	0	0	< 1	< 1	0	0
Magistrate armhook squid	0	< 1	2	0	0	4	19
Sponge	0	2	0	4	87	5	1
Starfish	< 1	< 1	< 1	2	< 1	2	< 1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	2	< 1	1
Octopus	0	0	1	0	0	1	0
Snail	0	< 1	0	2	< 1	< 1	< 1
Other invertebrate	< 1	< 1	< 1	4	1	19	1
Total catch (kg)	152	217	527	439	2662	717	4070

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	47	48	50	51	52	53	55
Start date and time	06/02/05 15	06/02/05 18	06/03/05 07	06/03/05 09	06/03/05 11	06/03/05 14	06/03/05 19
Start latitude	N 5409.04	N 5404.99	N 5439.88	N 5454.46	N 5501.31	N 5459.68	N 5456.34
Start longitude	W 16145.64	W 16204.98	W 16243.24	W 16244.80	W 16232.33	W 16157.67	W 16122.75
End latitude	N 5409.64	N 5405.25	N 5440.49	N 5454.41	N 5500.49	N 5459.29	N 5457.05
End longitude	W 16144.70	W 16203.71	W 16244.26	W 16246.30	W 16232.12	W 16156.29	W 16123.55
Bottom depth (m)	88	117	88	45	52	35	132
Duration (minutes)	17.4	16.2	17.4	16.8	17.4	17.4	18
Distance fished (km)	1.548	1.488	1.607	1.617	1.562	1.667	1.619
Performance	-2.4	0	0	0	0	0	0
Atka mackerel	611	0	0	0	0	0	0
Pacific cod	27	2	0	6	12	5	0
Walleye pollock	0	0	10	< 1	42	0	13
Pacific ocean perch	69	150	0	0	0	0	0
Northern rockfish	147	181	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	0	0	< 1
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	22	150	0	0	0	0	0
Other rockfish	1	538	0	0	0	0	0
Sablefish	0	0	0	0	< 1	0	0
Arrowtooth flounder	0	38	26	18	51	0	54
Pacific halibut	0	0	15	119	68	34	13
Northern rock sole	0	10	2	21	98	21	< 1
Southern rock sole	2	21	1	137	0	111	< 1
Flathead sole	0	3	49	4	197	0	123
Rex sole	0	5	6	0	0	0	7
Dover sole	0	< 1	0	0	0	0	0
Yellowfin sole	0	0	0	10	230	2	0
Other flatfish	0	0	0	1	74	< 1	0
Salmon	0	0	0	0	0	3	0
Skate unident.	0	0	0	17	0	0	13
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	1	0	2	54	9	33	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	< 1	< 1	18	0	< 1
Smelts	0	0	0	< 1	0	0	< 1
Giant grenadier	0	0	0	0	0	0	0
Other fish	54	35	0	0	4	< 1	< 1
Bairdi Tanner crab	0	0	< 1	0	< 1	0	< 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	< 1	0	0	0	2
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	< 1	0	< 1	0	< 1	0
Magistrate armhook squid	0	< 1	0	0	0	0	0
Sponge	8	< 1	< 1	0	0	0	0
Starfish	< 1	< 1	< 1	< 1	5	0	0
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	< 1	< 1	< 1	< 1	0	0	0
Octopus	0	0	0	0	4	0	0
Snail	< 1	< 1	< 1	< 1	0	0	< 1
Other invertebrate	< 1	4	5	30	110	12	< 1
Total catch (kg)	944	1139	116	417	924	222	226

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	56	57	58	59	60	61	62
Start date and time	06/04/05 07	06/04/05 10	06/04/05 13	06/04/05 16	06/04/05 18	06/05/05 07	06/05/05 09
Start latitude	N 5431.72	N 5422.85	N 5422.35	N 5429.44	N 5429.44	N 5434.76	N 5436.00
Start longitude	W 15952.81	W 15948.53	W 15928.91	W 15900.46	W 15900.20	W 16021.64	W 16006.64
End latitude	N 5431.73	N 5422.94	N 5422.13	N 5429.07	N 5429.01	N 5434.93	N 5435.39
End longitude	W 15951.35	W 15947.17	W 15930.44	W 15901.78	W 15901.47	W 16020.45	W 16005.85
Bottom depth (m)	102	204	513	300	308	130	96
Duration (minutes)	16.2	15.6	19.2	18	16.8	14.4	16.2
Distance fished (km)	1.576	1.493	1.726	1.603	1.612	1.331	1.45
Performance	0	0	0	-2.4	0	0	0
Atka mackerel	< 1	0	0	0	0	0	0
Pacific cod	6	0	0	0	0	20	18
Walleye pollock	0	5	0	0	7	51	0
Pacific ocean perch	14	132	2	0	0	0	6
Northern rockfish	53	0	0	0	0	0	21
Shortraker rockfish	0	0	0	36	21	0	0
Rougheye rockfish	0	6	0	80	47	0	0
Shortspine thornyhead	0	56	75	82	71	0	0
Dusky rockfish	0	0	0	0	0	0	1
Other rockfish	3	3	0	0	0	0	0
Sablefish	0	60	80	99	193	< 1	0
Arrowtooth flounder	244	32	12	11	11	12	257
Pacific halibut	8	0	0	0	0	1	38
Northern rock sole	6	0	0	0	0	0	0
Southern rock sole	7	0	0	0	0	0	11
Flathead sole	63	0	0	0	0	< 1	2
Rex sole	20	8	< 1	4	3	68	3
Dover sole	< 1	2	17	25	9	1	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	0	0	2	1	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	5	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	9	< 1	< 1	< 1	0	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	426	78	101	0	0
Other fish	2	2	3	< 1	< 1	0	12
Bairdi Tanner crab	0	0	0	0	0	< 1	0
Golden king crab	0	0	0	0	2	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	< 1	0	< 1	0	0	< 1	0
Sidestripe shrimp	0	0	0	< 1	0	0	0
Scallop unident.	< 1	0	0	0	0	0	< 1
Magistrate armhook squid	0	0	0	3	5	< 1	0
Sponge	0	< 1	8	0	4	< 1	4
Starfish	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Soft coral	0	0	0	0	< 1	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	< 1	< 1	< 1	0	0
Snail	0	< 1	< 1	< 1	< 1	< 1	< 1
Other invertebrate	4	< 1	2	5	4	1	13
Total catch (kg)	432	313	627	434	484	158	386

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	63	64	65	66	67	68	69
Start date and time	06/05/05 11	06/05/05 12	06/05/05 14	06/05/05 16	06/06/05 07	06/06/05 11	06/07/05 07
Start latitude	N 5441.19	N 5440.49	N 5444.32	N 5452.60	N 5506.99	N 5519.02	N 5500.15
Start longitude	W 15950.10	W 15951.38	W 15947.20	W 15942.60	W 15928.98	W 15937.11	W 16022.25
End latitude	N 5441.18	N 5441.28	N 5444.98	N 5452.63	N 5507.75	N 5518.19	N 5500.76
End longitude	W 15950.59	W 15951.55	W 15947.34	W 15941.21	W 15928.55	W 15937.45	W 16021.25
Bottom depth (m)	77	77	70	43	63	128	77
Duration (minutes)	7.8	15	13.8	16.2	17.4	17.4	16.8
Distance fished (km)	0.653	1.512	1.253	1.499	1.535	1.624	1.595
Performance	-1	5.8	1.1	0	0	0	0
Atka mackerel	84	1400	4	0	0	0	81
Pacific cod	4	24	7	9	0	2	5
Walleye pollock	0	0	0	0	0	18	0
Pacific ocean perch	0	< 1	0	0	0	0	0
Northern rockfish	24	2	< 1	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
Dusky rockfish	25	2	5	0	0	0	0
Other rockfish	306	119	305	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	13	10	21	2	11	90	50
Pacific halibut	7	58	30	95	35	14	23
Northern rock sole	< 1	3	10	58	14	0	< 1
Southern rock sole	3	13	3	204	75	1	19
Flathead sole	< 1	2	< 1	3	59	30	5
Rex sole	0	0	0	0	< 1	2	0
Dover sole	0	0	0	0	< 1	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	3	30	< 1	0
Salmon	0	4	0	0	0	0	0
Skate unident.	< 1	< 1	0	0	0	2	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	2	3	3	2	3	0	6
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	3	0	0	7
Other sculpins	< 1	< 1	< 1	0	0	< 1	0
Smelts	0	0	0	0	0	< 1	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	0	0	0	0	< 1	< 1
Bairdi Tanner crab	0	0	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	0	0	0	0	< 1	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	< 1	0	0	0	0	< 1
Magistrate armhook squid	0	0	0	0	< 1	0	0
Sponge	< 1	< 1	0	0	0	0	0
Starfish	2	< 1	2	< 1	< 1	< 1	0
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	< 1	< 1	0	0	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	< 1	< 1	< 1	0	0	0	0
Other invertebrate	3	5	65	3	7	< 1	< 1
Total catch (kg)	476	1647	457	383	235	162	197

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	70	71	72	73	74	75	76
Start date and time	06/07/05 10	06/07/05 13	06/07/05 14	06/09/05 07	06/09/05 11	06/09/05 13	06/09/05 14
Start latitude	N 5511.65	N 5515.12	N 5515.03	N 5549.15	N 5536.64	N 5536.55	N 5537.18
Start longitude	W 16014.33	W 16028.30	W 16026.02	W 15940.37	W 15946.16	W 15934.30	W 15934.81
End latitude	N 5512.39	N 5515.86	N 5515.55	N 5548.37	N 5537.43	N 5535.85	N 5537.78
End longitude	W 16013.66	W 16028.97	W 16024.92	W 15939.42	W 15946.05	W 15934.88	W 15934.00
Bottom depth (m)	193	123	123	39	53	52	38
Duration (minutes)	15.6	16.2	16.8	20.4	16.8	15	15.6
Distance fished (km)	1.583	1.602	1.548	1.796	1.482	1.462	1.435
Performance	0	0	0	6.31	1.11	-2.4	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	105	27	11	28	1	0	0
Walleye pollock	286	119	323	0	< 1	0	0
Pacific ocean perch	0	0	0	0	0	0	0
Northern rockfish	0	0	0	0	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
Dusky rockfish	0	0	0	0	0	< 1	0
Other rockfish	0	0	0	0	< 1	28	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	108	107	86	738	288	3	2
Pacific halibut	23	43	45	157	75	22	179
Northern rock sole	0	2	< 1	10	5	10	137
Southern rock sole	1	1	< 1	10	67	58	198
Flathead sole	12	286	272	33	21	< 1	0
Rex sole	13	6	0	< 1	< 1	0	0
Dover sole	5	0	0	0	0	0	0
Yellowfin sole	0	< 1	0	108	0	0	0
Other flatfish	0	2	10	64	< 1	0	191
Salmon	0	0	0	3	2	0	2
Skate unident.	0	0	0	23	0	14	29
Shark unident.	0	0	0	50	0	0	0
Yellow Irish lord	6	1	3	1	3	0	0
Bigmouth sculpin	0	4	0	0	0	2	0
Great sculpin	0	8	5	0	0	0	0
Other sculpins	0	0	0	0	1	< 1	0
Smelts	< 1	< 1	< 1	< 1	< 1	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	13	< 1	0	3	17	0
Bairdi Tanner crab	0	< 1	6	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	3	< 1	< 1	0	0	0	0
Sidestripe shrimp	< 1	0	0	0	0	0	0
Scallop unident.	0	0	0	3	< 1	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	0	0	0	< 1	< 1	< 1	0
Starfish	2	0	0	14	3	< 1	3
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	< 1	< 1	0	0
Other invertebrate	2	9	3	40	364	11	0
Total catch (kg)	568	633	765	1281	835	168	741

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	77	78	79	80	81	82	83
Start date and time	06/09/05 17	06/09/05 19	06/10/05 08	06/10/05 09	06/10/05 13	06/10/05 15	06/10/05 16
Start latitude	N 5546.71	N 5547.26	N 5534.27	N 5530.48	N 5555.08	N 5556.90	N 5555.53
Start longitude	W 15914.33	W 15908.97	W 15910.18	W 15905.63	W 15835.97	W 15831.15	W 15825.35
End latitude	N 5547.50	N 5547.33	N 5534.37	N 5530.41	N 5554.84	N 5557.60	N 5555.69
End longitude	W 15914.05	W 15910.12	W 15908.78	W 15906.99	W 15837.27	W 15831.83	W 15826.80
Bottom depth (m)	100	99	91	115	100	95	98
Duration (minutes)	15	14.4	16.2	16.2	15.6	15.6	16.8
Distance fished (km)	1.511	1.254	1.506	1.46	1.45	1.501	1.566
Performance	0	0	0	1.11	0	0	6.24
Atka mackerel	0	0	2	4	0	0	0
Pacific cod	0	0	132	0	0	1	32
Walleye pollock	< 1	1	< 1	0	0	0	0
Pacific ocean perch	0	0	3	< 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	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	< 1	0	0
Arrowtooth flounder	608	506	109	228	685	1973	967
Pacific halibut	38	26	50	27	59	54	83
Northern rock sole	< 1	0	0	0	1	0	11
Southern rock sole	< 1	6	21	0	15	67	101
Flathead sole	117	29	2	10	22	15	28
Rex sole	1	4	0	37	5	< 1	0
Dover sole	7	2	0	6	3	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	27	11	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	0	0	18	0	0	0
Shark unident.	0	0	0	0	0	1	0
Yellow Irish lord	0	0	< 1	0	< 1	0	0
Bigmouth sculpin	6	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	< 1	< 1	0	0	0	0
Smelts	< 1	< 1	0	0	0	0	< 1
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	0	1	0	0	0	0
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	0	0	0	< 1	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	< 1	0	< 1	0	< 1
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	0	< 1	< 1	0	0	< 1	< 1
Starfish	< 1	2	< 1	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	0	0
Snail	0	0	< 1	< 1	0	0	< 1
Other invertebrate	< 1	< 1	< 1	< 1	1	< 1	< 1
Total catch (kg)	780	578	320	329	819	2123	1222

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	84	85	86	87	88	89	90
Start date and time	06/10/05 19	06/10/05 20	06/11/05 07	06/11/05 08	06/11/05 10	06/11/05 11	06/11/05 12
Start latitude	N 5600.57	N 5602.100	N 5536.67	N 5543.89	N 5545.73	N 5548.66	N 5549.02
Start longitude	W 15817.20	W 15810.77	W 15707.15	W 15711.81	W 15721.58	W 15716.34	W 15731.43
End latitude	N 5559.89	N 5603.72	N 5536.03	N 5544.70	N 5546.01	N 5548.010	N 5549.76
End longitude	W 15817.87	W 15811.18	W 15706.34	W 15711.94	W 15720.33	W 15717.21	W 15731.01
Bottom depth (m)	121	105	86	85	98	98	104
Duration (minutes)	16.2	15.6	16.8	16.2	15	15.6	15.6
Distance fished (km)	1.473	1.435	1.493	1.52	1.422	1.412	1.463
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	< 1	0	0	0	1
Pacific cod	0	0	15	12	0	0	16
Walleye pollock	< 1	0	< 1	< 1	0	0	0
Pacific ocean perch	0	0	0	0	0	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	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
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	327	163	57	231	175	477	887
Pacific halibut	34	23	30	69	45	29	36
Northern rock sole	0	0	0	2	0	0	0
Southern rock sole	< 1	4	15	53	14	9	2
Flathead sole	16	12	0	0	< 1	5	7
Rex sole	2	< 1	< 1	0	2	15	41
Dover sole	6	< 1	0	0	0	3	6
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	6
Skate unident.	23	0	0	3	0	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	< 1	1	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	< 1	< 1	0	0	0	0
Smelts	0	< 1	0	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	0	< 1	0	0	0	0
Bairdi Tanner crab	2	< 1	0	0	< 1	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	< 1	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	< 1	< 1	< 1	< 1	< 1	< 1
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	0	0	< 1	0	0	0	0
Starfish	< 1	1	< 1	< 1	0	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	0	0	0	0
Snail	< 1	< 1	< 1	0	0	0	0
Other invertebrate	2	1	< 1	< 1	< 1	1	2
Total catch (kg)	413	206	123	370	237	539	1003

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	91	92	93	94	95	96	97
Start date and time	06/11/05 14	06/11/05 15	06/11/05 17	06/12/05 07	06/12/05 09	06/12/05 11	06/12/05 14
Start latitude	N 5554.71	N 5559.30	N 5555.19	N 5608.38	N 5607.47	N 5612.95	N 5611.64
Start longitude	W 15732.80	W 15724.79	W 15740.64	W 15805.12	W 15745.73	W 15735.02	W 15713.54
End latitude	N 5555.42	N 5559.20	N 5555.74	N 5607.70	N 5606.79	N 5613.67	N 5612.28
End longitude	W 15732.20	W 15726.12	W 15739.70	W 15805.91	W 15745.43	W 15735.04	W 15713.49
Bottom depth (m)	90	110	92	45	166	166	114
Duration (minutes)	15.6	15	15.6	16.2	14.4	14.4	13.2
Distance fished (km)	1.491	1.416	1.439	1.536	1.317	1.342	1.204
Performance	0	0	0	0	0	0	1.11
Atka mackerel	1	< 1	0	0	0	0	0
Pacific cod	0	0	0	2	6	0	4
Walleye pollock	0	< 1	0	0	0	0	< 1
Pacific ocean perch	0	0	0	0	8	< 1	< 1
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	2	11	0
Shortspine thornyhead	0	0	0	0	0	0	0
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	600	246	1340	0	366	49	422
Pacific halibut	58	24	35	654	15	0	8
Northern rock sole	0	0	0	65	0	0	0
Southern rock sole	7	< 1	< 1	222	< 1	0	< 1
Flathead sole	1	1	0	0	27	38	13
Rex sole	1	14	1	0	0	0	2
Dover sole	0	3	0	0	3	< 1	< 1
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	4	0	0	0
Skate unident.	0	0	0	0	32	42	1
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	< 1	3	< 1	0	0
Bigmouth sculpin	0	0	0	0	7	4	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	< 1	< 1	0
Smelts	< 1	0	0	0	< 1	3	< 1
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	< 1	< 1	< 1	< 1	< 1	< 1
Bairdi Tanner crab	0	< 1	0	0	5	4	< 1
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	0	< 1	< 1	0
Sidestripe shrimp	0	0	0	0	< 1	< 1	0
Scallop unident.	< 1	0	< 1	0	0	0	< 1
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	0	0	0	0	< 1	0	< 1
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	0	0	< 1	0	< 1	0	< 1
Other invertebrate	< 1	< 1	< 1	< 1	< 1	< 1	5
Total catch (kg)	669	292	1378	950	476	153	458

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	98	99	100	101	102	103	104
Start date and time	06/12/05 16	06/13/05 07	06/13/05 09	06/13/05 11	06/13/05 13	06/13/05 14	06/13/05 16
Start latitude	N 5616.96	N 5628.90	N 5625.23	N 5628.08	N 5637.28	N 5639.31	N 5637.49
Start longitude	W 15727.78	W 15734.07	W 15754.44	W 15747.40	W 15748.43	W 15745.24	W 15724.98
End latitude	N 5617.55	N 5629.55	N 5625.35	N 5627.47	N 5636.54	N 5638.57	N 5637.28
End longitude	W 15728.40	W 15734.59	W 15753.010	W 15748.14	W 15748.17	W 15745.73	W 15726.28
Bottom depth (m)	158	123	170	78	32	42	38
Duration (minutes)	13.8	15	15	15.6	15.6	16.2	15.6
Distance fished (km)	1.289	1.431	1.412	1.436	1.421	1.484	1.407
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	5	0	0	< 1	221	0
Walleye pollock	0	2	16	< 1	0	3	0
Pacific ocean perch	0	0	0	0	0	0	0
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	8	< 1	2	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	< 1	0	0	< 1	< 1	0
Arrowtooth flounder	190	107	241	43	0	117	0
Pacific halibut	10	14	0	48	6	102	72
Northern rock sole	0	0	0	17	25	6	0
Southern rock sole	0	0	0	73	4	0	19
Flathead sole	32	57	131	0	0	125	0
Rex sole	0	< 1	0	0	0	0	0
Dover sole	0	0	0	0	0	< 1	0
Yellowfin sole	0	0	0	0	0	144	0
Other flatfish	0	0	0	0	4	55	4
Salmon	0	0	0	0	0	0	0
Skate unident.	32	13	12	14	0	46	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	6	< 1	2	0	5	0
Bigmouth sculpin	0	0	5	0	0	0	0
Great sculpin	0	3	0	0	0	2	0
Other sculpins	< 1	< 1	< 1	0	< 1	< 1	0
Smelts	< 1	2	20	0	< 1	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	< 1	1	< 1	0	3	0
Bairdi Tanner crab	3	< 1	5	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	17	0	0	0	0
Sidestripe shrimp	< 1	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	0	0	0	< 1	< 1	0	< 1
Starfish	< 1	0	4	0	6	< 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	0	< 1	0	< 1	< 1	< 1	< 1
Other invertebrate	< 1	2	< 1	2	5	3	< 1
Total catch (kg)	278	213	455	200	52	834	95

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	105	106	107	108	109	110	111
Start date and time	06/14/05 07	06/14/05 08	06/14/05 11	06/14/05 12	06/14/05 14	06/14/05 17	06/14/05 20
Start latitude	N 5640.77	N 5638.63	N 5643.76	N 5645.34	N 5644.31	N 5647.41	N 5650.21
Start longitude	W 15640.28	W 15629.47	W 15638.75	W 15641.41	W 15651.93	W 15647.58	W 15625.22
End latitude	N 5640.52	N 5637.89	N 5643.05	N 5645.99	N 5644.68	N 5648.10	N 5649.50
End longitude	W 15639.02	W 15629.62	W 15638.32	W 15642.07	W 15653.010	W 15648.14	W 15625.63
Bottom depth (m)	175	196	159	169	114	126	156
Duration (minutes)	15	15	15.6	15	15	15	15
Distance fished (km)	1.386	1.39	1.424	1.417	1.397	1.434	1.405
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	3	0	0	3	9	0	9
Walleye pollock	< 1	3	< 1	< 1	< 1	< 1	< 1
Pacific ocean perch	0	< 1	0	0	0	0	0
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	25	0	7	< 1	0	8	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	< 1
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	125	135	291	127	168	287	254
Pacific halibut	11	0	9	0	38	26	3
Northern rock sole	0	0	0	0	< 1	0	0
Southern rock sole	0	0	0	0	0	0	1
Flathead sole	50	26	83	71	7	80	34
Rex sole	2	1	1	< 1	0	< 1	< 1
Dover sole	0	5	1	0	0	0	2
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	24	0	0
Skate unident.	13	21	0	2	0	27	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	< 1	< 1	0	0	0	16
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	< 1	< 1	0	0	0	< 1
Smelts	12	51	3	21	0	6	< 1
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	0	< 1	< 1	0	0	0
Bairdi Tanner crab	1	< 1	< 1	2	< 1	2	< 1
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	2	1	1	3	0	< 1	< 1
Sidestripe shrimp	1	1	< 1	< 1	0	0	< 1
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	< 1	< 1	< 1	< 1	0	0	< 1
Starfish	< 1	< 1	< 1	0	0	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	0	0	0	0
Snail	0	0	< 1	< 1	< 1	< 1	< 1
Other invertebrate	< 1	3	< 1	< 1	1	< 1	2
Total catch (kg)	248	250	399	231	248	438	325

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	112	113	114	115	116	117	118
Start date and time	06/15/05 07	06/15/05 09	06/15/05 12	06/15/05 15	06/15/05 16	06/15/05 18	06/16/05 07
Start latitude	N 5650.72	N 5656.91	N 5716.63	N 5724.52	N 5724.51	N 5723.48	N 5706.05
Start longitude	W 15615.76	W 15603.65	W 15547.07	W 15603.76	W 15603.86	W 15608.31	W 15523.27
End latitude	N 5650.01	N 5656.21	N 5717.24	N 5724.78	N 5724.75	N 5723.56	N 5706.74
End longitude	W 15616.06	W 15603.22	W 15546.25	W 15602.59	W 15602.72	W 15606.88	W 15522.70
Bottom depth (m)	190	215	246	32	32	31	258
Duration (minutes)	15	15	15	14.4	13.2	15.6	15
Distance fished (km)	1.383	1.396	1.424	1.286	1.24	1.455	1.435
Performance	0	0	1.11	-5.23	0	5.5	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	24	21	0	0	0	0
Walleye pollock	2	16	15	0	0	0	30
Pacific ocean perch	0	< 1	0	0	0	0	0
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	10	2	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	14	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	19	54	0	0	0	25
Arrowtooth flounder	84	471	234	2	0	0	144
Pacific halibut	0	20	16	25	34	45	0
Northern rock sole	0	0	0	0	< 1	< 1	0
Southern rock sole	0	0	0	7	12	10	0
Flathead sole	54	19	< 1	0	0	0	5
Rex sole	4	9	12	0	0	0	6
Dover sole	10	9	15	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	3	2	13	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	20	17	9	35	0	55
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	22	7	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	< 1	< 1	< 1	< 1	< 1	< 1
Smelts	5	6	10	< 1	0	< 1	56
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	0	9	< 1	2	2	< 1
Bairdi Tanner crab	1	< 1	< 1	0	0	0	< 1
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	2	5	3	0	0	0	< 1
Sidestripe shrimp	< 1	2	7	0	0	0	2
Scallop unident.	0	0	0	< 1	0	0	0
Magistrate armhook squid	0	0	1	0	0	0	11
Sponge	< 1	18	< 1	1	< 1	< 1	0
Starfish	< 1	< 1	< 1	17	2	0	3
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	< 1	< 1	8	< 1	< 1	< 1
Other invertebrate	< 1	2	3	5	19	17	4
Total catch (kg)	164	689	427	78	107	90	343

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	119	120	121	122	123	124	125
Start date and time	06/16/05 09	06/16/05 11	06/16/05 13	06/16/05 14	06/16/05 16	06/16/05 19	06/16/05 20
Start latitude	N 5658.73	N 5655.63	N 5644.82	N 5643.68	N 5642.92	N 5644.52	N 5648.06
Start longitude	W 15518.08	W 15521.53	W 15500.24	W 15500.100	W 15501.55	W 15431.51	W 15423.32
End latitude	N 5659.45	N 5656.24	N 5644.17	N 5642.96	N 5643.63	N 5645.07	N 5648.61
End longitude	W 15517.59	W 15520.76	W 15500.98	W 15501.51	W 15501.01	W 15432.45	W 15424.22
Bottom depth (m)	250	253	54	54	54	33	62
Duration (minutes)	15	15.6	15.6	16.2	15	15.6	15
Distance fished (km)	1.454	1.41	1.452	1.469	1.463	1.447	1.393
Performance	0	0	0	-3.13	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	4	24	18	9	5	315
Walleye pollock	15	15	< 1	4	0	0	377
Pacific ocean perch	0	0	0	0	0	0	0
Northern rockfish	0	0	0	0	0	0	0
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
Dusky rockfish	0	0	0	4	< 1	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	8	7	0	0	0	0	< 1
Arrowtooth flounder	123	148	17	9	6	0	23
Pacific halibut	0	45	13	10	24	75	28
Northern rock sole	0	0	4	4	4	13	0
Southern rock sole	0	0	10	11	11	84	0
Flathead sole	8	8	4	4	13	< 1	21
Rex sole	4	7	< 1	< 1	< 1	0	< 1
Dover sole	2	0	< 1	0	< 1	0	0
Yellowfin sole	0	0	0	0	0	0	< 1
Other flatfish	0	0	0	< 1	3	3	17
Salmon	0	0	22	0	4	0	0
Skate unident.	17	30	0	0	0	0	12
Shark unident.	0	0	0	0	0	4	0
Yellow Irish lord	0	0	< 1	50	11	1	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	3	2	0	2
Other sculpins	0	0	< 1	< 1	< 1	< 1	0
Smelts	35	23	< 1	< 1	0	< 1	< 1
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	< 1	< 1	5	< 1	< 1	25
Bairdi Tanner crab	< 1	< 1	0	0	< 1	0	< 1
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	< 1	< 1	0	0	0	0	< 1
Sidestripe shrimp	< 1	1	0	0	0	0	0
Scallop unident.	0	0	< 1	< 1	< 1	< 1	3
Magistrate armhook squid	2	2	0	0	0	0	0
Sponge	0	0	< 1	< 1	< 1	0	0
Starfish	4	2	< 1	< 1	< 1	5	< 1
Soft coral	0	0	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	0	2	< 1	< 1	< 1	0
Other invertebrate	< 1	< 1	10	27	3	< 1	1
Total catch (kg)	222	294	109	152	91	194	827

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	126	127	128	129	130	131	132
Start date and time	06/17/05 07	06/17/05 08	06/17/05 10	06/17/05 12	06/17/05 13	06/17/05 15	06/17/05 17
Start latitude	N 5646.60	N 5645.93	N 5650.46	N 5651.64	N 5654.79	N 5654.73	N 5652.25
Start longitude	W 15412.49	W 15415.32	W 15412.17	W 15409.39	W 15405.21	W 15359.66	W 15403.82
End latitude	N 5646.09	N 5646.40	N 5650.65	N 5652.29	N 5655.36	N 5654.17	N 5652.78
End longitude	W 15412.49	W 15414.30	W 15413.55	W 15408.69	W 15404.31	W 15400.57	W 15402.81
Bottom depth (m)	81	51	48	56	86	67	59
Duration (minutes)	11.4	15	16.2	15	15.6	15.6	15.6
Distance fished (km)	0.943	1.386	1.473	1.428	1.443	1.402	1.441
Performance	-6.1	3.13	0	5.5	5.5	5.5	5.5
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	95	29	62	8	30	30	11
Walleye pollock	187	11	1	< 1	165	1380	148
Pacific ocean perch	0	0	0	0	0	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	0	0	< 1	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	< 1	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	< 1	< 1	< 1	0	0	0
Arrowtooth flounder	53	43	13	31	118	19	6
Pacific halibut	60	76	12	15	49	41	50
Northern rock sole	2	3	< 1	0	0	< 1	0
Southern rock sole	0	0	< 1	< 1	0	0	0
Flathead sole	68	58	16	29	82	42	31
Rex sole	0	< 1	< 1	< 1	< 1	0	< 1
Dover sole	0	0	0	0	< 1	0	0
Yellowfin sole	10	14	22	18	6	88	29
Other flatfish	7	38	21	5	5	20	16
Salmon	0	0	0	0	0	27	0
Skate unident.	29	0	0	0	14	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	< 1	0	0	0	0	< 1	0
Bigmouth sculpin	< 1	0	0	0	0	0	0
Great sculpin	2	0	12	3	14	< 1	0
Other sculpins	0	0	1	14	1	11	20
Smelts	0	< 1	< 1	0	< 1	< 1	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	5	33	25	2	3	2	< 1
Bairdi Tanner crab	16	2	3	2	12	7	5
Golden king crab	0	0	0	0	0	0	0
Red king crab	16	0	0	0	0	0	8
Northern shrimp	< 1	0	0	< 1	< 1	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	2	< 1	0	0	1	3	< 1
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	< 1	0	0	< 1	0	< 1	0
Starfish	7	4	0	0	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	6	0	< 1	0	0	0	0
Other invertebrate	90	9	14	< 1	< 1	< 1	< 1
Total catch (kg)	656	321	205	126	504	1672	324

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	133	134	135	136	137	138	139
Start date and time	06/17/05 19	06/18/05 07	06/18/05 07	06/18/05 12	06/18/05 14	06/18/05 17	06/18/05 19
Start latitude	N 5651.43	N 5652.36	N 5652.46	N 5713.18	N 5714.91	N 5728.80	N 5733.54
Start longitude	W 15405.29	W 15420.45	W 15420.53	W 15440.61	W 15504.20	W 15447.96	W 15441.45
End latitude	N 5651.95	N 5653.15	N 5653.23	N 5712.52	N 5714.21	N 5729.34	N 5734.14
End longitude	W 15404.20	W 15420.80	W 15420.84	W 15440.17	W 15504.48	W 15447.16	W 15440.63
Bottom depth (m)	61	26	26	64	229	182	197
Duration (minutes)	16.2	15.6	15.6	15.6	15	13.8	15
Distance fished (km)	1.511	1.539	1.501	1.345	1.361	1.298	1.419
Performance	5.5	-4.6	5.5	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	6	1	32	3	0	3	12
Walleye pollock	175	0	< 1	< 1	25	16	21
Pacific ocean perch	0	0	0	0	0	< 1	0
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
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	1	< 1
Sablefish	0	0	0	0	17	0	4
Arrowtooth flounder	25	0	0	10	552	819	841
Pacific halibut	10	10	36	39	11	13	0
Northern rock sole	< 1	< 1	6	< 1	0	0	0
Southern rock sole	0	0	6	5	0	0	0
Flathead sole	49	0	0	62	9	49	46
Rex sole	0	0	0	< 1	1	14	4
Dover sole	0	0	0	< 1	0	10	10
Yellowfin sole	47	< 1	< 1	0	0	0	0
Other flatfish	5	1	6	9	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	0	8	9	2	8	20
Shark unident.	0	1	0	0	76	0	0
Yellow Irish lord	0	0	< 1	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	< 1	0	0	0	0	0	0
Other sculpins	22	0	< 1	< 1	< 1	0	0
Smelts	< 1	0	0	< 1	10	53	53
Giant grenadier	0	0	0	0	0	0	0
Other fish	3	< 1	< 1	0	< 1	< 1	< 1
Bairdi Tanner crab	5	0	0	0	< 1	< 1	2
Golden king crab	0	0	0	0	0	0	0
Red king crab	16	0	0	0	0	0	0
Northern shrimp	< 1	0	0	0	< 1	2	< 1
Sidestripe shrimp	0	0	0	0	3	< 1	1
Scallop unident.	< 1	0	0	< 1	0	0	0
Magistrate armhook squid	0	0	0	0	1	0	< 1
Sponge	0	0	< 1	0	0	< 1	0
Starfish	2	0	3	< 1	4	< 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	0	< 1	< 1	< 1	< 1	< 1	< 1
Other invertebrate	< 1	< 1	8	< 1	< 1	7	3
Total catch (kg)	367	15	109	141	713	995	1019

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	140	141	142	143	144	145	146
Start date and time	06/19/05 07	06/19/05 09	06/19/05 12	06/20/05 07	06/20/05 09	06/20/05 11	06/20/05 13
Start latitude	N 5733.96	N 5740.91	N 5743.010	N 5749.01	N 5743.19	N 5740.75	N 5741.17
Start longitude	W 15520.02	W 15531.35	W 15534.07	W 15500.42	W 15436.10	W 15422.12	W 15404.14
End latitude	N 5733.41	N 5740.23	N 5743.20	N 5749.71	N 5742.75	N 5740.29	N 5741.48
End longitude	W 15520.89	W 15531.67	W 15532.62	W 15459.98	W 15437.17	W 15423.14	W 15405.38
Bottom depth (m)	293	97	30	236	212	178	66
Duration (minutes)	15	15	15.6	15	15	15	15
Distance fished (km)	1.37	1.335	1.472	1.402	1.367	1.352	1.232
Performance	0	0	0	0	0	0	5.8
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	168	13	60	0	3	4
Walleye pollock	26	650	0	16	23	10	0
Pacific ocean perch	0	0	0	0	0	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	< 1	5	1	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	41	0	0	173	0	0	0
Arrowtooth flounder	120	430	15	348	171	341	168
Pacific halibut	10	33	42	2	5	27	105
Northern rock sole	0	0	6	0	0	0	4
Southern rock sole	0	0	< 1	0	0	0	56
Flathead sole	5	128	0	6	12	43	0
Rex sole	1	0	0	13	< 1	< 1	0
Dover sole	0	39	0	23	2	6	0
Yellowfin sole	0	0	5	0	0	0	0
Other flatfish	0	31	11	0	0	0	0
Salmon	0	6	0	0	0	0	0
Skate unident.	37	101	0	18	3	6	0
Shark unident.	78	4	0	198	0	156	0
Yellow Irish lord	0	2	7	0	0	0	0
Bigmouth sculpin	0	< 1	0	0	< 1	0	0
Great sculpin	0	48	3	0	0	0	0
Other sculpins	< 1	0	0	0	< 1	< 1	2
Smelts	9	0	< 1	10	16	191	< 1
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	3	0	< 1	< 1	< 1	< 1
Bairdi Tanner crab	1	< 1	0	< 1	< 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	3	0	2	2	< 1	0
Sidestripe shrimp	1	0	0	5	1	< 1	0
Scallop unident.	0	0	0	0	0	0	< 1
Magistrate armhook squid	19	0	0	5	< 1	2	0
Sponge	0	< 1	< 1	0	0	0	0
Starfish	3	0	5	< 1	3	< 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	5	1	< 1	< 1	< 1	1
Other invertebrate	1	13	43	1	< 1	< 1	20
Total catch (kg)	353	1664	152	882	246	789	360

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	147	148	149	150	151	152	153
Start date and time	06/20/05 16	06/20/05 18	06/21/05 07	06/21/05 11	06/21/05 14	06/21/05 16	06/21/05 17
Start latitude	N 5758.76	N 5756.65	N 5759.20	N 5802.12	N 5802.46	N 5811.31	N 5812.46
Start longitude	W 15343.70	W 15337.35	W 15333.46	W 15315.23	W 15324.26	W 15328.73	W 15341.92
End latitude	N 5759.19	N 5757.25	N 5759.58	N 5802.01	N 5802.82	N 5810.95	N 5811.79
End longitude	W 15342.59	W 15337.45	W 15332.32	W 15313.99	W 15325.51	W 15329.96	W 15342.55
Bottom depth (m)	193	51	60	50	52	191	191
Duration (minutes)	14.4	12.6	14.4	14.4	15	15	15
Distance fished (km)	1.379	1.123	1.339	1.267	1.424	1.402	1.425
Performance	0	5.5	0	4.6	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	60	0	64	3	62	0	6
Walleye pollock	71	0	0	< 1	0	20	10
Pacific ocean perch	0	0	0	0	0	0	0
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	2	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	0	0	12
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	1	0	0	0	0	0	0
Other rockfish	< 1	0	0	0	0	0	0
Sablefish	0	0	< 1	0	0	1	10
Arrowtooth flounder	439	0	247	73	61	241	181
Pacific halibut	0	140	408	50	84	0	0
Northern rock sole	0	32	0	1	< 1	0	0
Southern rock sole	0	582	73	59	88	0	0
Flathead sole	13	0	25	91	24	108	126
Rex sole	52	0	0	< 1	0	4	5
Dover sole	27	0	0	15	< 1	< 1	0
Yellowfin sole	0	0	0	126	1	0	0
Other flatfish	0	12	0	75	89	0	0
Salmon	4	< 1	10	< 1	13	4	0
Skate unident.	7	32	28	30	7	0	23
Shark unident.	0	0	0	0	0	148	0
Yellow Irish lord	0	0	0	6	8	0	0
Bigmouth sculpin	0	0	0	< 1	0	0	0
Great sculpin	0	0	0	6	0	0	0
Other sculpins	< 1	< 1	0	< 1	0	< 1	< 1
Smelts	102	0	0	0	< 1	199	21
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	0	< 1	< 1	< 1	< 1	< 1
Bairdi Tanner crab	1	0	0	0	0	3	3
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	7	11
Sidestripe shrimp	< 1	0	0	0	0	2	1
Scallop unident.	0	< 1	< 1	0	< 1	0	0
Magistrate armhook squid	0	0	0	0	0	< 1	< 1
Sponge	0	0	0	< 1	< 1	0	0
Starfish	< 1	< 1	< 1	16	2	3	6
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	1	< 1	1
Other invertebrate	4	< 1	16	13	4	< 1	3
Total catch (kg)	783	800	872	567	447	742	420

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	154	155	156	157	158	159	160
Start date and time	06/22/05 07	06/22/05 09	06/22/05 10	06/22/05 13	06/22/05 16	06/22/05 19	06/23/05 07
Start latitude	N 5819.64	N 5823.99	N 5827.59	N 5835.81	N 5817.84	N 5817.74	N 5836.80
Start longitude	W 15345.10	W 15346.54	W 15336.97	W 15336.81	W 15306.35	W 15306.65	W 15241.42
End latitude	N 5820.39	N 5823.73	N 5827.15	N 5835.54	N 5817.26	N 5818.23	N 5837.43
End longitude	W 15345.16	W 15347.82	W 15338.15	W 15338.09	W 15307.16	W 15305.86	W 15240.58
Bottom depth (m)	187	195	139	22	71	72	76
Duration (minutes)	15	15	15.6	15	14.4	13.2	15
Distance fished (km)	1.39	1.359	1.431	1.359	1.37	1.217	1.44
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	12	2	10	< 1	4	25	9
Walleye pollock	84	26	4	< 1	0	0	0
Pacific ocean perch	0	0	0	0	0	0	0
Northern rockfish	0	0	0	0	0	0	0
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
Dusky rockfish	0	0	0	0	0	7	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	< 1	0	0	3
Arrowtooth flounder	235	247	167	14	2293	731	618
Pacific halibut	5	14	19	47	68	39	8
Northern rock sole	0	0	0	5	< 1	0	0
Southern rock sole	0	0	1	0	5	12	32
Flathead sole	29	26	38	25	104	89	33
Rex sole	1	< 1	1	0	1	22	< 1
Dover sole	2	13	3	0	9	39	3
Yellowfin sole	0	0	0	57	< 1	0	0
Other flatfish	0	0	0	68	0	0	2
Salmon	0	0	0	3	15	14	7
Skate unident.	24	39	2	0	12	12	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	< 1	2
Bigmouth sculpin	0	0	< 1	0	0	0	10
Great sculpin	0	2	0	< 1	0	0	0
Other sculpins	0	0	< 1	8	< 1	< 1	< 1
Smelts	33	8	31	< 1	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	3	< 1	1	< 1	< 1	1	< 1
Bairdi Tanner crab	2	< 1	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	8	5	2	0	0	0	0
Sidestripe shrimp	< 1	2	< 1	0	0	0	0
Scallop unident.	0	0	< 1	0	< 1	< 1	< 1
Magistrate armhook squid	< 1	1	0	0	0	0	0
Sponge	0	0	0	< 1	0	0	0
Starfish	2	< 1	0	0	3	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	0	0	0	0
Snail	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Other invertebrate	6	2	< 1	6	2	4	< 1
Total catch (kg)	451	389	285	236	2518	997	728

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	161	162	163	164	165	166	167
Start date and time	06/23/05 08	06/23/05 10	06/23/05 11	06/23/05 16	06/23/05 18	06/24/05 06	06/24/05 07
Start latitude	N 5841.76	N 5835.48	N 5835.79	N 5843.27	N 5857.73	N 5911.28	N 5911.21
Start longitude	W 15235.83	W 15240.90	W 15240.50	W 15245.55	W 15253.62	W 15317.23	W 15319.31
End latitude	N 5841.26	N 5836.00	N 5835.28	N 5843.96	N 5856.100	N 5910.72	N 5911.03
End longitude	W 15236.93	W 15240.25	W 15241.14	W 15245.09	W 15253.77	W 15317.00	W 15318.33
Bottom depth (m)	165	51	51	171	173	43	40
Duration (minutes)	15.6	12.6	12.6	15	15	15.6	14.4
Distance fished (km)	1.443	1.185	1.155	1.384	1.389	1.22	1.112
Performance	0	-5.1	0	0	0	-1.2	-1.2
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	145	0	< 1	24	6	4	< 1
Walleye pollock	67	0	0	88	3	< 1	1
Pacific ocean perch	0	0	0	0	0	0	0
Northern rockfish	< 1	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	2	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	47	0	0	0	< 1	0	0
Arrowtooth flounder	839	80	32	239	306	42	7
Pacific halibut	0	56	87	< 1	36	33	14
Northern rock sole	0	0	< 1	0	0	1	< 1
Southern rock sole	0	15	44	< 1	0	9	13
Flathead sole	3	< 1	2	9	54	3	0
Rex sole	4	0	0	7	< 1	< 1	< 1
Dover sole	1	0	0	3	2	0	0
Yellowfin sole	0	0	0	0	0	0	< 1
Other flatfish	0	2	0	0	0	0	2
Salmon	0	8	6	0	0	0	0
Skate unident.	2	0	12	2	10	0	0
Shark unident.	0	0	0	0	4	4	0
Yellow Irish lord	4	0	7	1	0	< 1	0
Bigmouth sculpin	4	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	0	1	0	0	0	0
Smelts	< 1	< 1	< 1	18	5	< 1	< 1
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	4	1	0	0	< 1	< 1
Bairdi Tanner crab	0	0	0	< 1	10	< 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	< 1	3	0	0
Sidestripe shrimp	0	0	0	< 1	< 1	0	0
Scallop unident.	< 1	0	0	0	0	< 1	0
Magistrate armhook squid	0	0	0	< 1	0	0	0
Sponge	0	0	< 1	0	0	< 1	< 1
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	< 1	0	0	0	0	0	0
Snail	< 1	0	< 1	< 1	< 1	< 1	< 1
Other invertebrate	11	11	13	3	< 1	12	3
Total catch (kg)	1129	177	207	397	444	112	43

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	168	169	170	171	172	173	174
Start date and time	06/24/05 11	06/24/05 13	06/24/05 15	06/24/05 17	06/24/05 18	06/24/05 20	06/25/05 07
Start latitude	N 5928.57	N 5932.22	N 5935.06	N 5934.88	N 5934.17	N 5946.59	N 5949.12
Start longitude	W 15305.30	W 15321.79	W 15308.86	W 15247.63	W 15247.46	W 15247.44	W 15243.09
End latitude	N 5927.95	N 5931.68	N 5934.44	N 5934.19	N 5934.87	N 5946.01	N 5948.58
End longitude	W 15306.18	W 15322.79	W 15309.62	W 15248.05	W 15246.82	W 15248.36	W 15244.18
Bottom depth (m)	38	23	30	49	50	33	33
Duration (minutes)	15	15	15.6	15	15.6	15	15.6
Distance fished (km)	1.455	1.402	1.39	1.362	1.478	1.412	1.457
Performance	0	0	0	-5.7	0	0	5.1
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	65	< 1	14	11	23	< 1	8
Walleye pollock	35	12	5	3	5	< 1	0
Pacific ocean perch	0	0	0	0	0	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	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
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	50	6	47	5	20	2	7
Pacific halibut	7	19	17	2	2	< 1	0
Northern rock sole	< 1	0	< 1	8	7	< 1	< 1
Southern rock sole	0	0	0	0	< 1	0	0
Flathead sole	< 1	< 1	< 1	0	< 1	0	0
Rex sole	1	< 1	< 1	0	< 1	< 1	0
Dover sole	< 1	0	< 1	< 1	1	0	0
Yellowfin sole	2	50	33	0	0	< 1	0
Other flatfish	39	101	75	6	21	27	41
Salmon	0	0	0	0	0	0	0
Skate unident.	15	2	59	0	0	8	30
Shark unident.	8	30	10	8	8	12	20
Yellow Irish lord	3	0	0	< 1	4	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	2	0	0	0	0	0	0
Other sculpins	6	< 1	< 1	< 1	< 1	< 1	0
Smelts	0	< 1	< 1	2	3	2	2
Giant grenadier	0	0	0	0	0	0	0
Other fish	3	4	2	< 1	< 1	3	1
Bairdi Tanner crab	5	< 1	< 1	< 1	< 1	7	1
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	< 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	0	0	< 1	0	0	< 1	0
Starfish	< 1	1	2	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	2	< 1	< 1	< 1	4	< 1	< 1
Other invertebrate	24	3	2	2	10	4	< 1
Total catch (kg)	271	230	266	48	116	69	113

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	175	176	177	178	179	180	181
Start date and time	06/25/05 08	06/25/05 10	06/25/05 14	06/25/05 15	06/25/05 19	06/25/05 21	06/26/05 06
Start latitude	N 5942.43	N 5942.94	N 5941.44	N 5943.18	N 5949.94	N 5943.92	N 5938.90
Start longitude	W 15231.22	W 15230.31	W 15218.55	W 15230.17	W 15206.80	W 15204.85	W 15118.70
End latitude	N 5942.100	N 5942.83	N 5940.75	N 5942.65	N 5950.62	N 5944.59	N 5938.61
End longitude	W 15230.29	W 15230.39	W 15218.94	W 15230.98	W 15206.20	W 15205.36	W 15120.04
Bottom depth (m)	77	76	52	77	44	41	32
Duration (minutes)	15.6	1.8	15	13.8	15	15	15
Distance fished (km)	1.408	0.228	1.361	1.266	1.418	1.371	1.396
Performance	-5.1	-6	6	5.8	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	30	9	31	13	3	< 1	< 1
Walleye pollock	39	9	< 1	8	0	0	4
Pacific ocean perch	0	0	0	0	0	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	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
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	2	6	37	11	0	0	< 1
Pacific halibut	19	33	84	80	49	123	12
Northern rock sole	21	4	11	9	0	0	< 1
Southern rock sole	1	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	12
Rex sole	< 1	0	0	< 1	0	0	< 1
Dover sole	< 1	< 1	0	< 1	0	0	0
Yellowfin sole	0	0	0	0	0	0	80
Other flatfish	3	0	7	0	0	0	15
Salmon	0	0	0	0	0	7	0
Skate unident.	0	0	0	18	0	0	0
Shark unident.	0	6	0	7	0	0	0
Yellow Irish lord	1	6	1	3	0	0	0
Bigmouth sculpin	< 1	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	0	0	< 1	0	0	22
Smelts	4	1	< 1	2	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	< 1	< 1	0	0	< 1	57
Bairdi Tanner crab	< 1	0	0	0	0	0	< 1
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	< 1	< 1	0	< 1	0	0	0
Sidestripe shrimp	< 1	< 1	0	< 1	0	0	0
Scallop unident.	0	< 1	0	< 1	< 1	< 1	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	0	0	0	0	< 1	< 1	< 1
Starfish	< 1	< 1	< 1	< 1	1	< 1	6
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	3	1	< 1	2	< 1	< 1	0
Other invertebrate	15	10	18	12	52	6	6
Total catch (kg)	141	85	190	167	106	136	216

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	182	183	184	185	186	187	188
Start date and time	06/26/05 07	06/26/05 12	06/26/05 16	06/26/05 20	06/27/05 06	06/27/05 08	06/27/05 10
Start latitude	N 5939.42	N 5926.04	N 5850.53	N 5847.10	N 5827.23	N 5826.39	N 5828.35
Start longitude	W 15116.11	W 15223.95	W 15226.05	W 15206.41	W 15154.77	W 15204.78	W 15222.94
End latitude	N 5939.010	N 5925.38	N 5851.19	N 5847.07	N 5826.70	N 5826.22	N 5828.98
End longitude	W 15117.53	W 15224.52	W 15226.47	W 15207.83	W 15153.77	W 15203.37	W 15222.09
Bottom depth (m)	30	70	189	136	92	125	145
Duration (minutes)	16.2	14.4	13.8	15	15.6	15.6	16.2
Distance fished (km)	1.491	1.374	1.324	1.376	1.414	1.436	1.466
Performance	4.1	5	1.11	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	2	131	72	4	5	20	54
Walleye pollock	< 1	< 1	20	0	0	0	224
Pacific ocean perch	0	0	0	0	< 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	0	0	0	2
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	3	0	0	< 1	0	1
Other rockfish	0	< 1	0	0	0	0	0
Sablefish	0	0	14	0	0	0	0
Arrowtooth flounder	< 1	6	384	296	1285	94	56
Pacific halibut	55	43	26	43	0	3	16
Northern rock sole	< 1	63	0	0	0	0	1
Southern rock sole	0	33	0	0	9	5	< 1
Flathead sole	10	0	0	0	0	23	376
Rex sole	< 1	0	< 1	< 1	< 1	2	0
Dover sole	0	0	32	0	< 1	6	0
Yellowfin sole	60	0	0	0	0	0	0
Other flatfish	23	39	0	0	0	0	13
Salmon	0	0	0	0	7	0	0
Skate unident.	0	46	< 1	< 1	0	2	9
Shark unident.	0	0	5	2	50	2	13
Yellow Irish lord	0	< 1	1	0	< 1	< 1	1
Bigmouth sculpin	0	0	0	< 1	0	0	0
Great sculpin	2	17	0	0	0	0	6
Other sculpins	33	< 1	0	< 1	< 1	< 1	< 1
Smelts	< 1	< 1	0	0	0	0	< 1
Giant grenadier	0	0	0	0	0	0	0
Other fish	14	0	< 1	< 1	36	0	1
Bairdi Tanner crab	< 1	0	0	< 1	0	< 1	< 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	< 1	< 1	0	0	10
Sidestripe shrimp	0	0	< 1	0	0	0	< 1
Scallop unident.	< 1	0	< 1	2	2	2	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	6	< 1	< 1	2	< 1	< 1	0
Starfish	10	2	1	< 1	1	2	3
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	< 1	0	0	5	0	0
Snail	< 1	10	< 1	< 1	1	< 1	< 1
Other invertebrate	22	60	9	11	10	11	3
Total catch (kg)	239	454	568	361	1414	174	792

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	189	190	191	192	193	194	195
Start date and time	06/27/05 13	06/27/05 15	06/27/05 18	06/28/05 06	06/28/05 08	06/30/05 08	06/30/05 12
Start latitude	N 5826.97	N 5825.27	N 5820.82	N 5807.93	N 5809.40	N 5759.25	N 5759.38
Start longitude	W 15222.91	W 15223.59	W 15203.24	W 15208.90	W 15213.88	W 15232.33	W 15158.25
End latitude	N 5826.32	N 5824.61	N 5820.35	N 5808.53	N 5808.76	N 5758.62	N 5758.93
End longitude	W 15223.47	W 15224.17	W 15203.93	W 15209.62	W 15213.06	W 15233.31	W 15159.50
Bottom depth (m)	140	131	148	63	181	175	177
Duration (minutes)	15	15	12.6	14.4	16.2	17.4	16.8
Distance fished (km)	1.354	1.38	1.121	1.351	1.469	1.556	1.508
Performance	5.8	0	0	5.8	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	89	45	16	407	11	29	0
Walleye pollock	679	216	308	0	48	40	2
Pacific ocean perch	0	0	0	0	0	0	0
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	3	7	16	0	0	4	4
Shortspine thornyhead	0	0	0	0	0	0	0
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	70	107	150	128	340	799	183
Pacific halibut	0	0	0	49	41	56	0
Northern rock sole	0	0	1	57	< 1	0	0
Southern rock sole	0	< 1	0	135	4	0	0
Flathead sole	184	254	145	51	220	221	52
Rex sole	< 1	4	< 1	0	10	34	0
Dover sole	< 1	7	19	< 1	49	< 1	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	6	1	4	0	0	0
Salmon	0	0	0	0	< 1	< 1	0
Skate unident.	0	17	34	4	52	0	24
Shark unident.	3	56	2	0	2	0	11
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	3	0	0	0	0	0	0
Great sculpin	0	11	0	0	0	4	0
Other sculpins	< 1	< 1	0	0	< 1	0	< 1
Smelts	3	6	< 1	0	5	5	392
Giant grenadier	0	0	0	0	0	0	0
Other fish	3	4	< 1	0	8	< 1	< 1
Bairdi Tanner crab	8	< 1	< 1	0	6	4	6
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	11	13	2	0	9	1	4
Sidestripe shrimp	< 1	< 1	0	0	< 1	< 1	< 1
Scallop unident.	0	0	0	< 1	0	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	0	0	0	< 1	0	0	0
Starfish	0	< 1	12	6	2	< 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	0	0	< 1	< 1	< 1	0	< 1
Other invertebrate	< 1	1	2	< 1	1	1	< 1
Total catch (kg)	1058	757	710	841	809	1199	681

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	196	197	198	199	200	201	202
Start date and time	06/30/05 14	06/30/05 18	07/01/05 06	07/01/05 09	07/01/05 11	07/01/05 14	07/01/05 16
Start latitude	N 5747.43	N 5745.29	N 5754.67	N 5805.23	N 5801.47	N 5757.58	N 5748.06
Start longitude	W 15154.17	W 15146.64	W 15131.28	W 15116.78	W 15109.79	W 15053.51	W 15059.15
End latitude	N 5748.27	N 5744.79	N 5755.30	N 5805.34	N 5801.35	N 5757.90	N 5748.48
End longitude	W 15153.59	W 15145.41	W 15130.21	W 15115.23	W 15108.35	W 15054.81	W 15058.14
Bottom depth (m)	72	55	71	145	83	98	77
Duration (minutes)	18	17.4	16.8	16.8	15.6	15	15
Distance fished (km)	1.697	1.568	1.608	1.555	1.457	1.438	1.426
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	1	0	0	0
Pacific cod	84	48	0	0	8	7	14
Walleye pollock	0	0	0	1	< 1	< 1	1
Pacific ocean perch	0	0	0	< 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	8	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	< 1	0	0	0
Sablefish	0	0	0	29	0	0	0
Arrowtooth flounder	346	0	5	899	44	313	25
Pacific halibut	139	133	334	32	33	22	106
Northern rock sole	36	7	29	0	0	0	< 1
Southern rock sole	53	135	85	0	28	8	36
Flathead sole	12	0	0	100	0	< 1	0
Rex sole	0	0	0	49	1	0	0
Dover sole	0	0	0	17	0	2	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	460	5	0	0	0	0	0
Salmon	17	0	0	5	1	0	0
Skate unident.	38	7	10	24	34	12	17
Shark unident.	110	10	0	4	0	0	0
Yellow Irish lord	0	0	0	0	< 1	0	< 1
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	< 1	0	< 1	< 1	< 1	0
Smelts	0	0	0	0	0	0	< 1
Giant grenadier	0	0	0	0	0	0	0
Other fish	2	0	0	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	< 1	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	< 1	< 1	< 1	< 1	< 1
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	0	< 1	< 1	0	1	0	< 1
Starfish	0	5	1	2	< 1	< 1	2
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	< 1
Octopus	0	0	0	0	0	0	0
Snail	0	0	< 1	1	< 1	< 1	< 1
Other invertebrate	< 1	4	14	4	6	10	16
Total catch (kg)	1296	354	479	1177	159	375	219

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	203	204	205	206	207	208	209
Start date and time	07/01/05 19	07/02/05 06	07/02/05 08	07/02/05 10	07/02/05 12	07/02/05 15	07/02/05 18
Start latitude	N 5736.09	N 5736.97	N 5734.49	N 5734.02	N 5733.51	N 5737.38	N 5744.52
Start longitude	W 15030.35	W 15024.94	W 15032.33	W 15030.38	W 15025.30	W 15006.80	W 15013.16
End latitude	N 5736.53	N 5736.40	N 5733.75	N 5733.50	N 5732.99	N 5736.85	N 5744.49
End longitude	W 15029.01	W 15026.18	W 15032.43	W 15031.52	W 15026.30	W 15007.79	W 15013.11
Bottom depth (m)	107	114	109	111	131	291	128
Duration (minutes)	16.8	16.8	15.6	15.6	15.6	15	3
Distance fished (km)	1.581	1.664	1.395	1.523	1.435	1.427	0.136
Performance	0	0	0	0	0	0	-1.2
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	2	7	7	0	0	0	0
Walleye pollock	0	0	0	0	0	0	0
Pacific ocean perch	0	0	0	0	0	10	< 1
Northern rockfish	0	0	0	0	0	0	32
Shortraker rockfish	0	0	0	0	0	70	0
Rougheye rockfish	0	0	0	0	0	39	0
Shortspine thornyhead	0	0	0	0	0	58	0
Dusky rockfish	0	0	0	0	0	0	38
Other rockfish	0	0	0	0	0	< 1	19
Sablefish	0	0	0	0	0	38	0
Arrowtooth flounder	78	38	76	59	45	43	0
Pacific halibut	1	17	8	12	26	0	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	32	1	< 1	27	2	0	0
Flathead sole	0	0	0	0	< 1	0	0
Rex sole	< 1	0	< 1	2	< 1	7	0
Dover sole	0	0	0	0	0	6	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	2	1	0
Skate unident.	< 1	10	< 1	18	< 1	< 1	< 1
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	< 1	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	0	0	0	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	< 1	0
Scallop unident.	< 1	< 1	2	< 1	0	0	0
Magistrate armhook squid	0	0	0	0	0	1	0
Sponge	< 1	2	< 1	0	< 1	< 1	< 1
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	0	0	0	0	0	0
Snail	< 1	< 1	< 1	< 1	0	< 1	< 1
Other invertebrate	2	7	6	1	2	5	< 1
Total catch (kg)	118	83	102	119	78	281	92

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	210	211	212	213	214	215	216
Start date and time	07/02/05 19	07/03/05 06	07/03/05 08	07/03/05 10	07/03/05 12	07/03/05 15	07/03/05 18
Start latitude	N 5744.90	N 5744.74	N 5750.54	N 5758.78	N 5801.61	N 5802.25	N 5755.12
Start longitude	W 15013.03	W 15017.48	W 15020.73	W 15017.35	W 15012.70	W 14945.81	W 14936.34
End latitude	N 5744.95	N 5745.27	N 5750.06	N 5758.02	N 5800.86	N 5801.53	N 5755.44
End longitude	W 15012.94	W 15017.18	W 15019.69	W 15017.24	W 15012.45	W 14946.39	W 14935.32
Bottom depth (m)	124	122	112	191	206	190	130
Duration (minutes)	9	11.4	15	15	15.6	15	12.6
Distance fished (km)	0.71	1.046	1.38	1.424	1.44	1.489	1.185
Performance	-1.2	1.12	0	0	0	0	1.12
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	1	3	0	25	2	7	0
Walleye pollock	0	< 1	2	39	4	0	0
Pacific ocean perch	14	5	0	267	1756	271	8
Northern rockfish	158	30	0	< 1	0	0	9
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	6	0	0	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	794	2	0	0	0	< 1	12
Other rockfish	62	< 1	0	0	0	0	37
Sablefish	0	0	0	122	935	0	0
Arrowtooth flounder	2	5	3	23	212	5	< 1
Pacific halibut	7	22	7	10	39	0	22
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	3	6	0	0	0	0
Flathead sole	0	0	0	34	33	0	0
Rex sole	0	0	0	62	12	< 1	0
Dover sole	0	0	0	17	11	< 1	< 1
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	< 1	0	0
Skate unident.	0	0	40	0	0	< 1	16
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	9	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	0	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	15	< 1	0	0	0	< 1	9
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	< 1	0	< 1	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	< 1	< 1	0	0	< 1
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	< 1	0	< 1	0	0	< 1	1
Starfish	< 1	0	< 1	< 1	0	< 1	< 1
Soft coral	97	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	7	< 1	6	< 1	0	< 1	3
Total catch (kg)	1165	71	64	600	3005	294	118

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	217	218	219	220	221	222	223
Start date and time	07/04/05 07	07/04/05 10	07/04/05 15	07/05/05 06	07/05/05 08	07/05/05 09	07/05/05 11
Start latitude	N 5817.55	N 5818.18	N 5813.29	N 5817.23	N 5816.71	N 5818.22	N 5822.83
Start longitude	W 14839.100	W 14836.66	W 14848.23	W 14940.45	W 14945.60	W 14946.17	W 14956.50
End latitude	N 5818.15	N 5817.54	N 5812.73	N 5817.73	N 5816.75	N 5817.71	N 5822.72
End longitude	W 14839.04	W 14837.55	W 14849.13	W 14941.51	W 14945.78	W 14945.13	W 14955.15
Bottom depth (m)	155	207	118	91	64	79	46
Duration (minutes)	15.6	15.6	14.4	15	8.4	15	15
Distance fished (km)	1.494	1.508	1.379	1.421	0.557	1.409	1.344
Performance	0	0	0	0	-1.2	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	32	0	< 1	0	0	0
Walleye pollock	0	< 1	< 1	0	0	0	0
Pacific ocean perch	1	2241	578	0	0	0	0
Northern rockfish	0	120	20	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	< 1	1	0	0	0	0
Shortspine thornyhead	0	5	13	0	0	0	0
Dusky rockfish	0	84	3	0	0	0	0
Other rockfish	2	514	267	0	0	0	0
Sablefish	2	20	11	0	0	0	0
Arrowtooth flounder	41	17	170	0	0	0	0
Pacific halibut	40	41	12	91	0	110	944
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	4	0	< 1	2
Flathead sole	0	0	0	0	0	0	0
Rex sole	< 1	11	2	0	0	0	0
Dover sole	< 1	3	2	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	8	2	3	4
Skate unident.	16	42	< 1	< 1	0	0	15
Shark unident.	0	0	0	0	0	2	90
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	< 1	< 1	0	0	0	0
Smelts	0	0	0	0	< 1	0	3
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	< 1	15	21	0	40	28
Bairdi Tanner crab	0	0	0	0	0	0	0
Golden king crab	0	2	3	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	< 1	0	1	< 1
Magistrate armhook squid	0	< 1	0	0	0	0	0
Sponge	< 1	< 1	< 1	< 1	0	1	< 1
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	0	0	0	0	0	0
Snail	< 1	< 1	< 1	< 1	0	1	< 1
Other invertebrate	3	2	< 1	3	< 1	2	2
Total catch (kg)	107	3138	1101	128	3	163	1089

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	224	225	226	227	228	229	230
Start date and time	07/05/05 14	07/05/05 17	07/06/05 06	07/06/05 09	07/06/05 11	07/06/05 13	07/06/05 15
Start latitude	N 5816.29	N 5812.42	N 5805.25	N 5803.89	N 5810.01	N 5819.71	N 5827.12
Start longitude	W 15031.58	W 15030.41	W 15042.94	W 15048.53	W 15047.87	W 15054.23	W 15059.65
End latitude	N 5816.95	N 5812.36	N 5804.44	N 5803.53	N 5809.69	N 5819.02	N 5826.69
End longitude	W 15032.49	W 15029.04	W 15042.73	W 15049.73	W 15046.59	W 15054.13	W 15058.43
Bottom depth (m)	63	95	155	158	116	67	79
Duration (minutes)	15	15	15	15.6	15	14.4	16.2
Distance fished (km)	1.551	1.367	1.529	1.384	1.412	1.296	1.445
Performance	0	2.1	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	334	0	39	45	247	0	0
Walleye pollock	0	0	1	36	0	0	0
Pacific ocean perch	0	0	0	155	0	0	0
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	< 1	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	2	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	23	26	2	0	0
Arrowtooth flounder	0	< 1	1660	219	2490	0	0
Pacific halibut	143	90	10	96	13	1399	801
Northern rock sole	5	0	0	0	0	0	17
Southern rock sole	83	7	0	0	4	4	21
Flathead sole	0	0	84	153	58	0	0
Rex sole	0	0	73	56	3	0	0
Dover sole	0	0	20	126	6	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	21	5	0
Salmon	0	0	10	0	0	1	2
Skate unident.	0	17	10	27	2	105	0
Shark unident.	104	0	0	0	0	284	4
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	< 1	0	0	0	< 1	0
Smelts	< 1	< 1	0	8	< 1	< 1	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	29	20	< 1	0	3	227	6
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	< 1	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	3	0	0	< 1	0	< 1
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	< 1	6	< 1	0	0	0	< 1
Starfish	9	4	1	< 1	< 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	0	0
Snail	< 1	2	0	0	< 1	< 1	< 1
Other invertebrate	11	3	2	2	2	35	5
Total catch (kg)	719	153	1936	950	2850	2061	858

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	231	232	233	234	235	236	237
Start date and time	07/06/05 18	07/07/05 07	07/07/05 12	07/07/05 15	07/07/05 18	07/08/05 06	07/08/05 11
Start latitude	N 5827.15	N 5848.81	N 5852.38	N 5854.52	N 5906.11	N 5929.71	N 5905.32
Start longitude	W 15118.42	W 15135.33	W 15138.46	W 15052.67	W 15027.70	W 15024.83	W 15044.41
End latitude	N 5826.51	N 5848.40	N 5852.47	N 5854.88	N 5906.16	N 5929.03	N 5905.70
End longitude	W 15119.06	W 15133.97	W 15139.57	W 15051.40	W 15029.22	W 15025.48	W 15045.84
Bottom depth (m)	124	139	128	140	121	219	88
Duration (minutes)	15	15	12	15.6	15.6	15	15.6
Distance fished (km)	1.379	1.543	1.096	1.416	1.471	1.436	1.565
Performance	0	0	1.12	0	0	0	6.31
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	18	0	5	12	12	0	58
Walleye pollock	0	< 1	0	0	0	62	3
Pacific ocean perch	< 1	2	< 1	3	< 1	0	29
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	3	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	358
Sablefish	24	0	0	< 1	15	5	20
Arrowtooth flounder	131	116	1156	157	978	45	105
Pacific halibut	45	3	62	24	18	0	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	1	0	0	0	0	18	0
Rex sole	2	< 1	0	10	0	3	9
Dover sole	7	2	0	2	0	< 1	14
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	< 1	0	< 1	12	2	24	14
Shark unident.	10	2	0	1	3	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	< 1	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	0	0
Smelts	0	0	< 1	0	0	< 1	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	< 1	5	< 1	0	1	7
Bairdi Tanner crab	0	0	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	3	< 1
Sidestripe shrimp	0	0	0	0	0	4	0
Scallop unident.	< 1	0	< 1	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	< 1	0
Sponge	0	4	4	< 1	< 1	< 1	2
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	0	0	0	0	0	0
Snail	4	< 1	< 1	0	0	0	< 1
Other invertebrate	1	23	17	4	4	137	8
Total catch (kg)	242	154	1249	227	1034	309	628

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	238	239	240	241	242	243	244
Start date and time	07/08/05 14	07/08/05 17	07/08/05 19	07/09/05 06	07/09/05 08	07/09/05 11	07/09/05 13
Start latitude	N 5905.63	N 5852.93	N 5846.85	N 5838.37	N 5833.09	N 5837.75	N 5840.45
Start longitude	W 15051.22	W 15050.87	W 15115.26	W 15025.03	W 15045.29	W 15055.42	W 15104.53
End latitude	N 5905.54	N 5852.92	N 5847.21	N 5838.21	N 5833.14	N 5838.39	N 5841.09
End longitude	W 15049.76	W 15052.35	W 15113.98	W 15023.60	W 15046.78	W 15056.17	W 15105.46
Bottom depth (m)	205	174	148	199	152	206	163
Duration (minutes)	15	15.6	15	15.6	15.6	15.6	16.2
Distance fished (km)	1.424	1.435	1.435	1.444	1.47	1.435	1.531
Performance	0	0	1.11	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	21	0	3	6	18	3	21
Walleye pollock	112	< 1	< 1	< 1	2	3	0
Pacific ocean perch	2	3	482	130	122	71	1374
Northern rockfish	0	< 1	3	1	16	0	< 1
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	< 1	0	0	14	0	7	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	1	0	2	0	43
Other rockfish	2	< 1	0	0	0	< 1	10
Sablefish	22	0	< 1	7	4	229	284
Arrowtooth flounder	484	535	267	234	223	858	1065
Pacific halibut	0	0	29	0	48	0	37
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	0	0	17	36	24	0
Rex sole	4	4	6	< 1	37	1	1
Dover sole	5	8	5	37	55	18	4
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	4	63	0	0
Skate unident.	< 1	4	< 1	21	< 1	1	< 1
Shark unident.	0	0	0	1	5	0	0
Yellow Irish lord	0	0	0	0	0	< 1	0
Bigmouth sculpin	0	0	0	0	0	0	8
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	0	0	0	0	0	0
Smelts	7	< 1	< 1	7	< 1	< 1	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	< 1	< 1	< 1	< 1	< 1	8
Bairdi Tanner crab	0	< 1	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	< 1	< 1	< 1	0	4	0
Sidestripe shrimp	< 1	< 1	0	1	0	< 1	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	< 1	< 1	0	0	0	0	0
Sponge	4	< 1	< 1	0	0	< 1	< 1
Starfish	< 1	0	< 1	< 1	< 1	2	< 1
Soft coral	< 1	< 1	0	< 1	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	< 1	0	0	0	< 1	0
Snail	0	0	< 1	0	0	0	< 1
Other invertebrate	4	6	11	1	< 1	5	5
Total catch (kg)	670	562	811	484	632	1229	2864

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	245	246	247	248	249	250	251
Start date and time	07/09/05 16	07/09/05 19	07/10/05 07	07/11/05 07	07/11/05 09	07/11/05 11	07/11/05 12
Start latitude	N 5842.96	N 5842.39	N 5845.34	N 5845.88	N 5836.91	N 5839.26	N 5843.22
Start longitude	W 15109.05	W 15039.83	W 15038.76	W 15033.88	W 15008.91	W 15001.60	W 14957.77
End latitude	N 5843.68	N 5842.50	N 5845.61	N 5846.63	N 5837.58	N 5839.88	N 5842.89
End longitude	W 15108.59	W 15041.23	W 15037.37	W 15033.54	W 15009.61	W 15000.80	W 14959.11
Bottom depth (m)	181	212	191	189	114	142	159
Duration (minutes)	16.2	15.6	15	15.6	15.6	15	15
Distance fished (km)	1.442	1.38	1.453	1.468	1.44	1.414	1.449
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	4	5	119	18	0	22	8
Walleye pollock	< 1	56	6	18	< 1	< 1	0
Pacific ocean perch	38	7	56	246	3	1	42
Northern rockfish	0	0	0	< 1	0	1	4
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	1	0	< 1	0	0	2
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	0	8	0	2	35
Other rockfish	0	0	< 1	8	0	0	43
Sablefish	28	224	29	477	0	0	28
Arrowtooth flounder	55	882	125	264	26	28	41
Pacific halibut	0	0	13	0	30	45	67
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	3	0	0	0	2	0
Rex sole	4	2	12	2	2	9	19
Dover sole	0	2	4	1	0	8	4
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	< 1	50	19	23	0	14	35
Shark unident.	2	0	0	13	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	8	0	0	7	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	< 1	0	0
Smelts	< 1	< 1	0	0	0	< 1	< 1
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	< 1	0	0	< 1	1	11
Bairdi Tanner crab	0	0	< 1	< 1	0	< 1	< 1
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	1	< 1	3	4	0	< 1	2
Sidestripe shrimp	< 1	1	< 1	< 1	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	1	< 1	< 1	< 1	0	0
Sponge	3	0	< 1	4	< 1	0	63
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	0	0	0	0	0	0
Snail	< 1	< 1	0	0	< 1	< 1	< 1
Other invertebrate	2	2	7	4	7	12	2
Total catch (kg)	146	1239	395	1099	69	147	406

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	252	253	254	255	256	257	258
Start date and time	07/11/05 15	07/11/05 17	07/12/05 06	07/12/05 09	07/12/05 11	07/12/05 13	07/12/05 16
Start latitude	N 5850.46	N 5852.010	N 5846.62	N 5850.95	N 5856.06	N 5901.12	N 5903.03
Start longitude	W 15021.55	W 15031.63	W 14935.45	W 14912.95	W 14917.53	W 14915.86	W 14954.70
End latitude	N 5850.54	N 5852.38	N 5846.64	N 5851.72	N 5855.34	N 5901.41	N 5902.31
End longitude	W 15022.96	W 15030.37	W 14933.97	W 14912.92	W 14917.50	W 14917.26	W 14953.93
Bottom depth (m)	163	146	207	219	235	226	219
Duration (minutes)	14.4	15	15	15	15	15.6	16.8
Distance fished (km)	1.38	1.354	1.44	1.436	1.39	1.462	1.572
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	76	89	0	0	0	0	0
Walleye pollock	0	0	18	15	18	2	18
Pacific ocean perch	566	7	1080	237	20	101	20
Northern rockfish	< 1	0	0	2	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	< 1	0	1	14	105	20	8
Shortspine thornyhead	0	0	32	21	59	30	24
Dusky rockfish	0	0	14	4	0	0	0
Other rockfish	3	0	0	< 1	0	3	0
Sablefish	135	0	205	50	13	5	8
Arrowtooth flounder	353	51	64	35	36	44	35
Pacific halibut	10	36	23	0	0	0	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	0	13	0	< 1	0	< 1
Rex sole	9	4	4	2	1	< 1	< 1
Dover sole	15	0	3	6	11	2	< 1
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	33	12	< 1	2	18	19	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	13	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	< 1	< 1
Smelts	0	0	23	3	13	7	16
Giant grenadier	0	0	0	0	0	0	0
Other fish	1	4	0	0	< 1	< 1	0
Bairdi Tanner crab	0	0	0	0	0	0	< 1
Golden king crab	0	0	0	0	0	0	0
Red king crab	0	0	0	0	0	0	0
Northern shrimp	< 1	< 1	2	< 1	2	7	3
Sidestripe shrimp	0	0	< 1	1	1	4	7
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	0	< 1	0	0
Sponge	2	< 1	< 1	2	< 1	4	0
Starfish	< 1	< 1	< 1	0	< 1	< 1	1
Soft coral	0	0	0	0	0	19	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	0	< 1	0	0	< 1	< 1	0
Other invertebrate	2	3	1	2	18	63	16
Total catch (kg)	1207	206	1486	397	317	344	158

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	259	260	261	262	263	264	265
Start date and time	07/13/05 06	07/13/05 08	07/13/05 10	07/13/05 15	07/14/05 07	07/14/05 10	07/14/05 13
Start latitude	N 5933.95	N 5931.55	N 5934.00	N 5920.19	N 5942.94	N 5947.45	N 5944.12
Start longitude	W 15033.36	W 15036.34	W 15032.45	W 14951.47	W 14938.40	W 14903.64	W 14834.52
End latitude	N 5933.34	N 5932.09	N 5934.63	N 5920.46	N 5942.38	N 5946.95	N 5944.40
End longitude	W 15034.09	W 15037.45	W 15031.83	W 14952.85	W 14937.51	W 14902.63	W 14835.89
Bottom depth (m)	149	92	146	192	305	200	184
Duration (minutes)	15	16.2	15	15	15	15	15
Distance fished (km)	1.364	1.485	1.337	1.42	1.363	1.352	1.402
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	11	13	0	6	0	0
Walleye pollock	52	1	89	10	24	127	2
Pacific ocean perch	0	0	0	0	0	< 1	< 1
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	< 1	2	4	21	21	12
Shortspine thornyhead	0	0	0	0	3	3	0
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	1	2	3	< 1	55	10	0
Arrowtooth flounder	43	28	26	66	83	95	35
Pacific halibut	0	20	0	0	0	28	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	54	9	62	6	18	50	1
Rex sole	4	2	3	< 1	22	17	< 1
Dover sole	0	1	< 1	5	< 1	9	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	2	0	0	0	0	1
Skate unident.	0	3	13	0	33	52	7
Shark unident.	0	0	0	0	0	3	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	8	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Smelts	< 1	< 1	< 1	17	2	15	3
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	< 1	< 1	< 1	< 1	< 1	9
Bairdi Tanner crab	< 1	< 1	2	< 1	< 1	2	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	0	0	0	0
Sidestripe shrimp	6	0	7	< 1	4	2	3
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	< 1	0	< 1	0	3	1	0
Sponge	0	0	0	< 1	0	0	0
Starfish	< 1	4	2	< 1	< 1	4	< 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	< 1	< 1	0
Snail	0	0	0	0	0	0	0
Other invertebrate	72	10	74	10	112	24	4
Total catch (kg)	235	95	297	120	394	467	81

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	266	267	268	269	270	271	272
Start date and time	07/14/05 15	07/14/05 20	07/15/05 06	07/15/05 08	07/15/05 09	07/15/05 13	07/15/05 15
Start latitude	N 5938.92	N 5957.99	N 6009.21	N 6007.47	N 6007.17	N 6010.47	N 5958.62
Start longitude	W 14818.19	W 14658.28	W 14526.83	W 14533.59	W 14539.68	W 14632.00	W 14611.51
End latitude	N 5938.39	N 5957.30	N 6009.61	N 6007.09	N 6007.28	N 6010.88	N 5959.04
End longitude	W 14817.26	W 14658.75	W 14528.14	W 14532.31	W 14538.23	W 14630.86	W 14612.64
Bottom depth (m)	198	159	87	127	127	141	68
Duration (minutes)	15	15	15	15	15	15	13.8
Distance fished (km)	1.342	1.392	1.441	1.407	1.377	1.339	1.331
Performance	0	0	0	0	0	0	1.12
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	0	0	0	13	0
Walleye pollock	6	12	< 1	6	18	40	0
Pacific ocean perch	1	< 1	0	0	0	0	2
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	8	12	0	2	5	< 1	0
Shortspine thornyhead	15	17	< 1	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	95
Sablefish	0	< 1	4	2	2	0	0
Arrowtooth flounder	42	71	25	127	119	350	0
Pacific halibut	0	0	0	0	13	2	31
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	< 1	0	0	0	0
Flathead sole	0	17	10	40	94	10	0
Rex sole	< 1	< 1	2	7	10	19	0
Dover sole	0	5	9	13	27	19	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	< 1	0	0	0	0	0
Salmon	< 1	< 1	0	0	2	0	0
Skate unident.	65	33	11	35	0	8	0
Shark unident.	0	15	32	6	15	167	2
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	< 1	< 1	< 1	< 1	0	0
Smelts	5	4	< 1	23	49	2	< 1
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	1	1	8	6	2	3
Bairdi Tanner crab	< 1	0	0	0	< 1	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	7	2	0	< 1	< 1	5	< 1
Scallop unident.	0	0	< 1	< 1	< 1	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	0	0	0	0	0	0	13
Starfish	1	2	< 1	< 1	2	< 1	1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	< 1	0	0	0	0
Snail	0	0	0	< 1	< 1	< 1	< 1
Other invertebrate	8	10	1	1	2	3	6
Total catch (kg)	161	202	97	273	365	642	154

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	273	274	275	276	277	278	279
Start date and time	07/15/05 18	07/15/05 19	07/16/05 07	07/16/05 10	07/16/05 12	07/16/05 14	07/18/05 06
Start latitude	N 5950.17	N 5948.36	N 5915.54	N 5905.76	N 5909.09	N 5918.14	N 5955.69
Start longitude	W 14631.92	W 14632.38	W 14729.89	W 14805.08	W 14801.60	W 14756.81	W 14907.52
End latitude	N 5950.29	N 5948.91	N 5916.03	N 5906.47	N 5909.76	N 5918.83	N 5955.04
End longitude	W 14631.70	W 14632.69	W 14731.02	W 14805.56	W 14802.28	W 14757.14	W 14906.86
Bottom depth (m)	69	73	156	147	199	196	197
Duration (minutes)	3	13.2	15	15	15	15	15.6
Distance fished (km)	0.306	1.159	1.439	1.427	1.451	1.347	1.381
Performance	-1.2	1.2	0	0	0	0	-5.23
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	63	0	0	0	0
Walleye pollock	0	0	0	267	7	20	109
Pacific ocean perch	9	0	< 1	< 1	4	31	0
Northern rockfish	< 1	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	15
Rougheye rockfish	0	0	0	0	3	33	51
Shortspine thornyhead	0	0	0	0	1	12	0
Dusky rockfish	< 1	0	< 1	51	0	0	0
Other rockfish	23	0	9	42	< 1	0	0
Sablefish	0	0	0	0	0	0	14
Arrowtooth flounder	0	0	334	9	30	50	188
Pacific halibut	13	27	48	87	0	6	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	8	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	35
Rex sole	0	0	5	< 1	< 1	0	9
Dover sole	0	0	6	0	2	0	16
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	15	0	0	0
Skate unident.	0	0	46	13	0	< 1	12
Shark unident.	0	0	5	0	1	3	2
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	8
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	0	< 1
Smelts	0	0	0	0	16	9	8
Giant grenadier	0	0	0	0	0	0	0
Other fish	2	< 1	9	95	< 1	< 1	< 1
Bairdi Tanner crab	0	0	0	0	0	0	< 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	0	0	0	0
Sidestripe shrimp	0	0	0	0	< 1	2	6
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	0	< 1
Sponge	< 1	0	2	5	4	< 1	0
Starfish	< 1	< 1	2	1	< 1	< 1	3
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	0	0	< 1	0	0
Snail	0	< 1	< 1	< 1	0	0	0
Other invertebrate	2	2	10	3	3	2	23
Total catch (kg)	51	38	540	590	71	168	499

Fishing Log: FV *Gladiator*, Cruise 2005-01.

Haul number	280	281	282
Start date and time	07/18/05 07	07/18/05 12	07/18/05 16
Start latitude	N 5955.96	N 5931.99	N 5916.66
Start longitude	W 14907.81	W 14948.93	W 14913.12
End latitude	N 5955.34	N 5932.49	N 5916.49
End longitude	W 14907.11	W 14949.99	W 14911.65
Bottom depth (m)	198	194	159
Duration (minutes)	15	15	15
Distance fished (km)	1.358	1.394	1.448
Performance	0	0	0
Atka mackerel	0	0	0
Pacific cod	0	40	4
Walleye pollock	102	15	< 1
Pacific ocean perch	0	2	78
Northern rockfish	0	0	8
Shortraker rockfish	8	7	0
Rougheye rockfish	23	28	14
Shortspine thornyhead	0	0	0
Dusky rockfish	0	1	380
Other rockfish	0	1	132
Sablefish	6	18	< 1
Arrowtooth flounder	174	136	132
Pacific halibut	0	0	5
Northern rock sole	0	0	0
Southern rock sole	0	0	0
Flathead sole	30	55	0
Rex sole	13	1	13
Dover sole	14	13	10
Yellowfin sole	0	0	0
Other flatfish	0	0	0
Salmon	0	0	0
Skate unident.	23	< 1	18
Shark unident.	9	0	0
Yellow Irish lord	0	0	0
Bigmouth sculpin	0	0	0
Great sculpin	0	0	0
Other sculpins	0	< 1	< 1
Smelts	9	53	< 1
Giant grenadier	0	0	0
Other fish	< 1	< 1	26
Bairdi Tanner crab	0	0	< 1
Golden king crab	0	0	0
Red king crab	0	0	0
Northern shrimp	0	0	0
Sidestripe shrimp	5	< 1	< 1
Scallop unident.	0	0	0
Magistrate armhook squid	< 1	0	0
Sponge	0	21	119
Starfish	1	< 1	< 1
Soft coral	0	0	0
Stony coral unident.	0	0	0
Octopus	0	0	0
Snail	0	0	< 1
Other invertebrate	33	40	3
Total catch (kg)	450	432	944

Section 2

Fishing Log for the FV *Northwest Explorer*

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

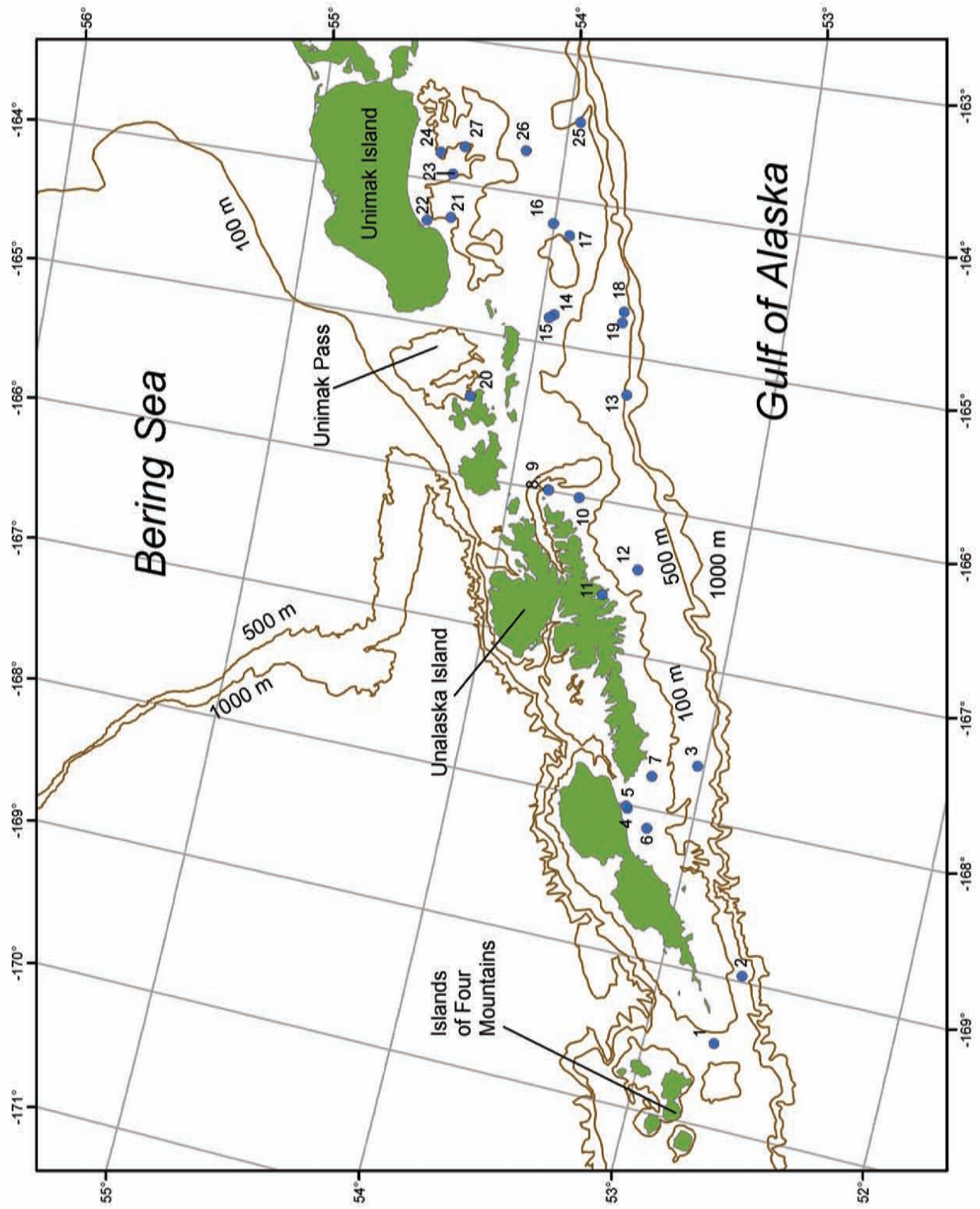


Figure 6.---Stations surveyed by the chartered trawler FV Northwest Explorer from the Islands of Four Mountains to Unimak Island.

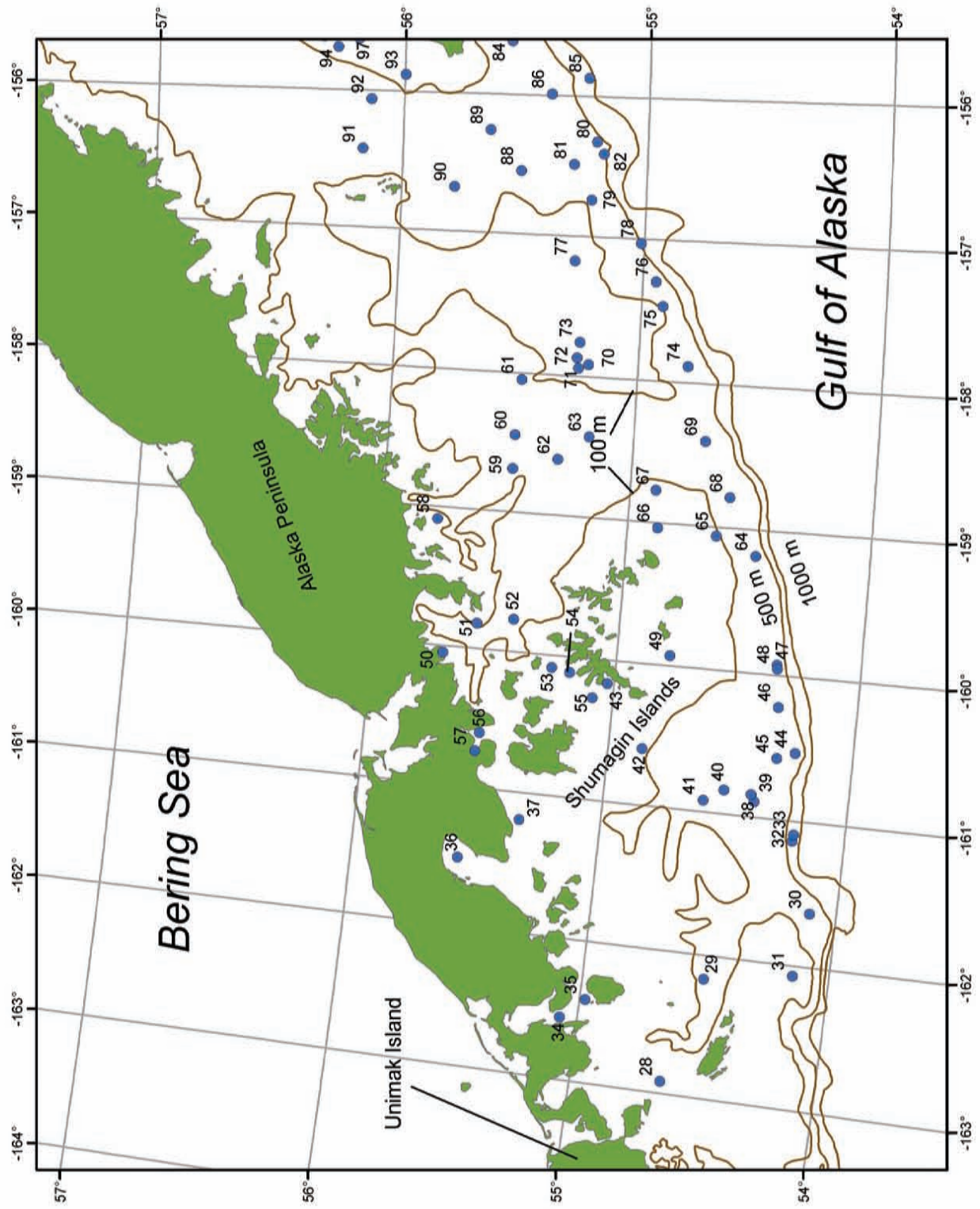


Figure 7. Stations surveyed by the chartered trawler FV Northwest Explorer in the vicinity of the western Alaska Peninsula.

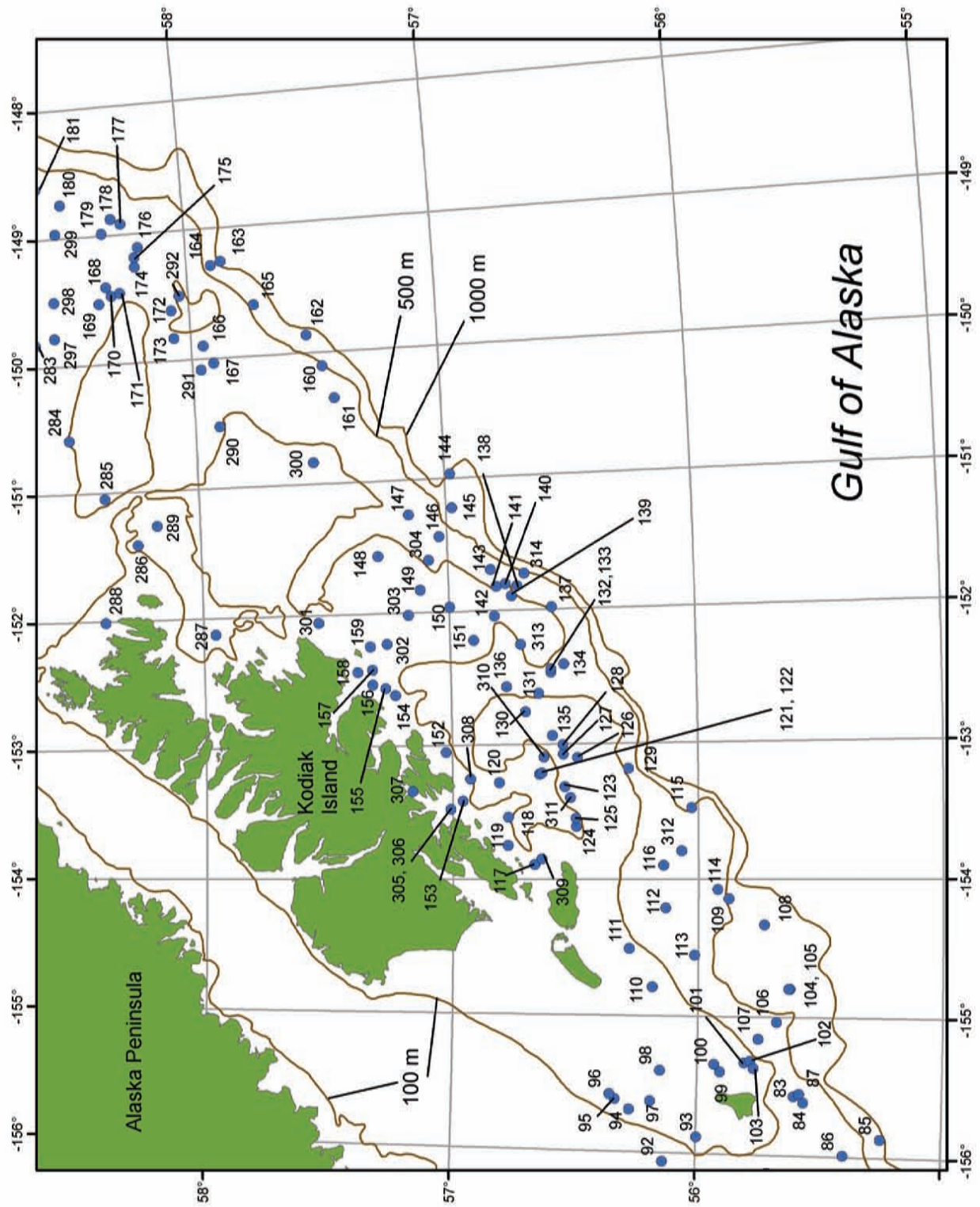


Figure 8.---Stations surveyed by the chartered trawler FV *Northwest Explorer* in the vicinity of Kodiak Island.

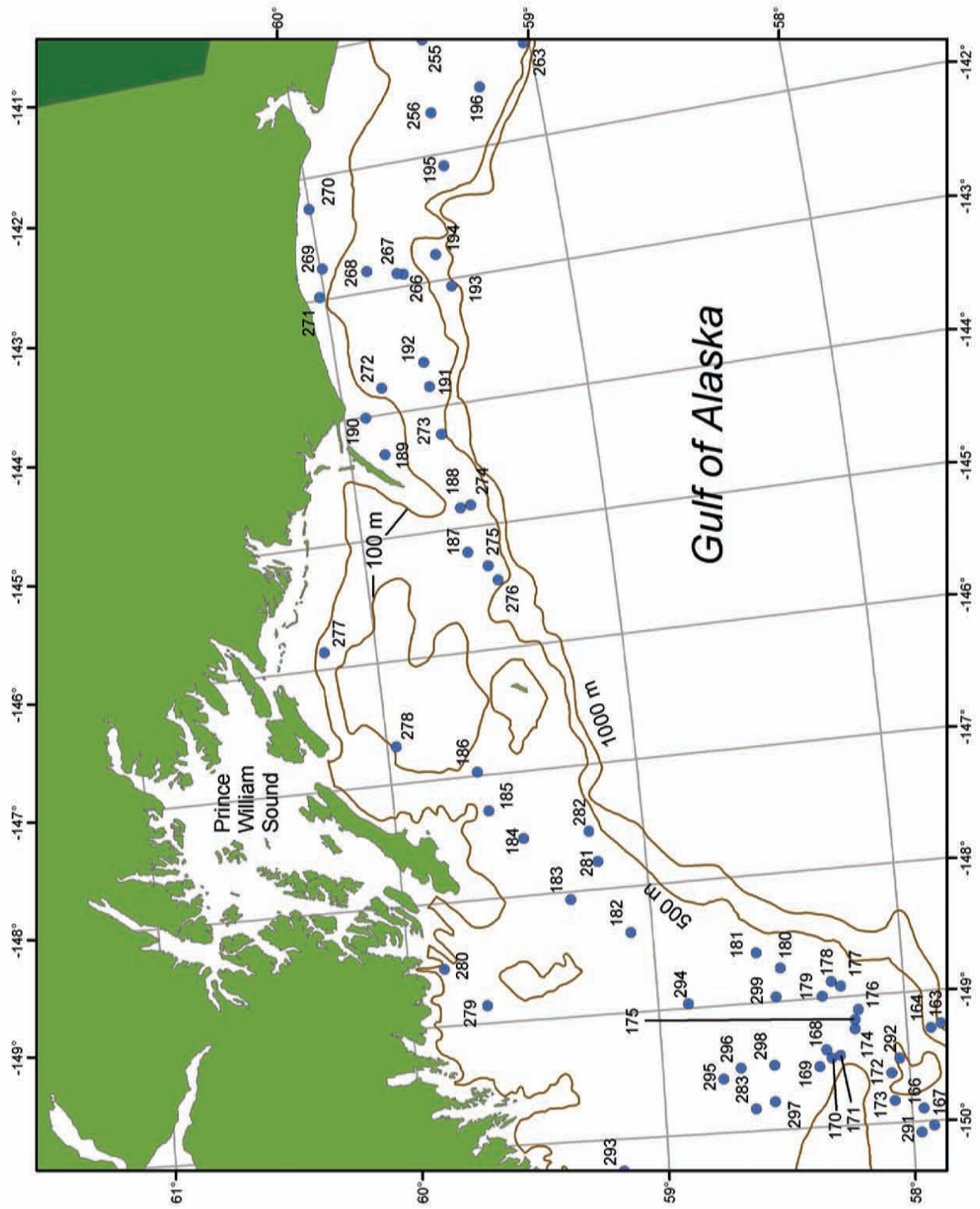


Figure 9.---Stations surveyed by the chartered trawler FV *Northwest Explorer* in the vicinity of Prince William Sound.

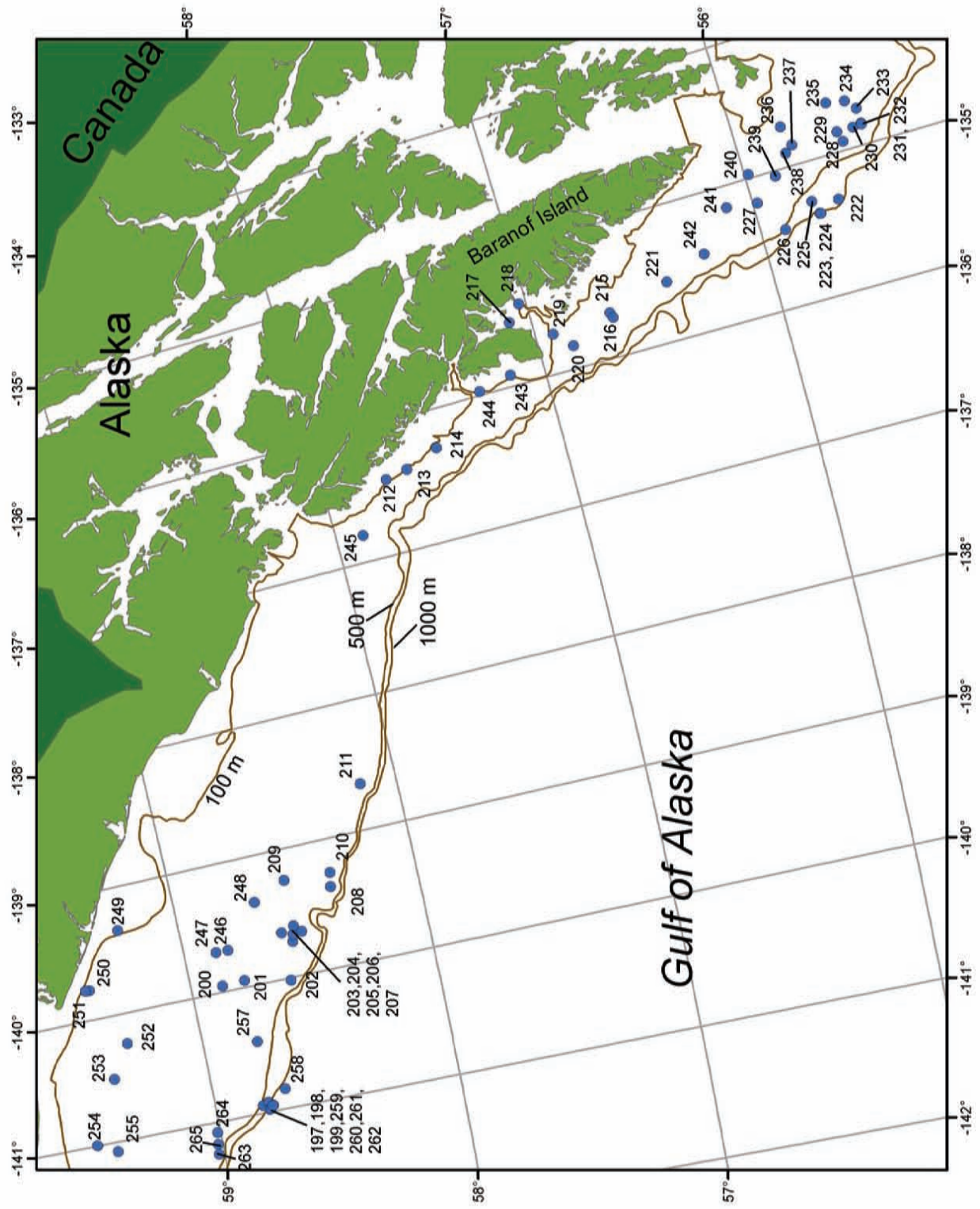


Figure 10.--Stations surveyed by the chartered trawler FV *Northwest Explorer* in Southeast Alaska.

Section 2 (continued)

Fishing Log for the FV *Northwest Explorer*

- 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 minutes
- Distance fished in kilometers
- Catch weight in kilograms of principal species
- Total catch weight in kilograms of all species

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	1	2	3	5	6	7	10
Start date and time	05/23/05 09	05/23/05 12	05/23/05 19	05/24/05 08	05/24/05 10	05/24/05 12	05/28/05 14
Start latitude	N 5242.96	N 5239.89	N 5301.63	N 5316.84	N 5310.75	N 5312.13	N 5342.83
Start longitude	W 16926.33	W 16857.40	W 16738.63	W 16800.46	W 16807.57	W 16746.45	W 16600.34
End latitude	N 5242.21	N 5239.82	N 5301.83	N 5316.13	N 5310.63	N 5312.13	N 5342.07
End longitude	W 16927.13	W 16856.14	W 16737.45	W 16801.52	W 16806.25	W 16745.22	W 16600.44
Bottom depth (m)	174	142	107	34	63	79	78
Duration (minutes)	15.6	15.6	15	16.2	16.2	15	15
Distance fished (km)	1.667	1.437	1.389	1.797	1.514	1.389	1.43
Performance	-2.4	0	0	0	0	0	1.11
Atka mackerel	5	0	0	0	0	12	0
Pacific cod	28	31	73	263	3	7	3
Walleye pollock	16	76	913	0	0	0	< 1
Pacific ocean perch	10	209	119	0	0	0	2
Northern rockfish	3	4	9	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	2	2	1	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	1	2	162	0	0	0	0
Other rockfish	0	0	< 1	0	0	0	0
Sablefish	0	8	0	0	0	0	0
Arrowtooth flounder	3	10	11	8	11	15	20
Pacific halibut	60	0	3	71	19	15	37
Northern rock sole	0	0	3	141	4	12	2
Southern rock sole	0	0	7	0	55	35	38
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	0	0	0	0	< 1	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	0	0	13	0	0	0
Shark unident.	21	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	2	2
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	2	< 1	0	0	0	0	< 1
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	2	0	0	0	0	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	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	< 1	0	0	< 1	< 1	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	461	21	0	< 1	< 1	0	< 1
Starfish	< 1	< 1	0	0	4	2	3
Soft coral	< 1	0	0	0	0	0	0
Stony coral unident.	2	< 1	0	0	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	0	< 1	0	0	< 1	0	< 1
Other invertebrate	24	< 1	8	< 1	< 1	< 1	< 1
Total catch (kg)	638	366	1310	496	96	100	108

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	11	12	13	15	16	17	19
Start date and time	05/28/05 18	05/28/05 20	05/29/05 07	05/29/05 12	05/29/05 15	05/29/05 17	05/29/05 22
Start latitude	N 5332.81	N 5325.46	N 5335.75	N 5357.64	N 5400.17	N 5355.87	N 5339.65
Start longitude	W 16637.72	W 16625.13	W 16515.49	W 16449.32	W 16410.56	W 16414.45	W 16446.51
End latitude	N 5332.19	N 5324.89	N 5335.89	N 5356.86	N 5359.41	N 5355.13	N 5339.72
End longitude	W 16637.01	W 16625.93	W 16516.86	W 16449.37	W 16410.62	W 16414.32	W 16447.75
Bottom depth (m)	78	158	539	87	78	91	337
Duration (minutes)	15.6	15	16.2	15.6	15	15	15
Distance fished (km)	1.427	1.413	1.558	1.455	1.429	1.392	1.386
Performance	0	0	1.11	0	0	0	0
Atka mackerel	0	0	0	0	< 1	< 1	0
Pacific cod	0	18	0	2	7	0	0
Walleye pollock	< 1	60	0	0	0	0	0
Pacific ocean perch	0	2	0	0	< 1	0	1
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	19
Shortspine thornyhead	0	0	83	0	0	0	17
Dusky rockfish	0	0	0	0	< 1	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	29	0	0	0	33
Arrowtooth flounder	192	58	4	34	30	29	8
Pacific halibut	10	3	0	40	50	13	0
Northern rock sole	0	0	0	5	9	18	0
Southern rock sole	2	1	0	17	87	4	0
Flathead sole	6	< 1	0	1	23	10	0
Rex sole	< 1	16	0	0	0	3	6
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	4	0	0	0	0	0	0
Other flatfish	< 1	0	0	0	0	0	0
Salmon	12	0	0	0	4	0	0
Skate unident.	7	0	3	0	0	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	5	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	5	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	0	0
Smelts	0	0	0	0	0	0	< 1
Giant grenadier	0	0	533	0	0	0	36
Other fish	< 1	0	5	0	0	0	< 1
Bairdi Tanner crab	2	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	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	< 1	0	< 1	0	< 1	< 1
Magistrate armhook squid	0	< 1	< 1	0	0	0	2
Sponge	0	0	< 1	3	0	< 1	< 1
Starfish	2	0	< 1	0	< 1	0	0
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	1	0	0	0	0
Snail	0	0	< 1	0	0	0	0
Other invertebrate	33	< 1	< 1	10	2	< 1	1
Total catch (kg)	277	158	661	118	213	78	124

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	20	21	22	23	24	25	26
Start date and time	05/30/05 07	05/30/05 13	05/30/05 15	05/30/05 17	05/30/05 18	05/31/05 07	05/31/05 09
Start latitude	N 5413.46	N 5425.22	N 5430.92	N 5426.36	N 5430.12	N 5357.28	N 5409.51
Start longitude	W 16526.96	W 16414.41	W 16417.17	W 16356.33	W 16347.97	W 16327.31	W 16342.19
End latitude	N 5413.56	N 5424.48	N 5431.65	N 5427.16	N 5429.87	N 5357.20	N 5409.60
End longitude	W 16528.23	W 16414.26	W 16416.38	W 16356.34	W 16349.19	W 16328.57	W 16343.50
Bottom depth (m)	64	93	34	80	98	84	80
Duration (minutes)	15	15	16.8	15.6	15	15	15.6
Distance fished (km)	1.417	1.411	1.624	1.478	1.427	1.4	1.45
Performance	0	0	0	0	0	0	0
Atka mackerel	2	0	0	4	0	< 1	1
Pacific cod	137	11	23	0	44	14	19
Walleye pollock	0	0	2203	2	18	0	0
Pacific ocean perch	0	0	0	0	< 1	0	0
Northern rockfish	0	0	0	0	0	5	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
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	< 1	0	0	0	0	5	1
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	1	296	47	42	88	12	17
Pacific halibut	77	38	109	45	68	29	65
Northern rock sole	40	110	59	64	117	9	11
Southern rock sole	10	3	3	16	5	6	13
Flathead sole	0	7	0	2	24	0	25
Rex sole	0	1	0	0	1	1	3
Dover sole	0	0	0	0	< 1	0	0
Yellowfin sole	0	0	3	0	0	0	0
Other flatfish	0	0	65	0	0	0	0
Salmon	0	0	7	0	0	0	0
Skate unident.	0	0	2	0	< 1	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	30	4	0	0	15	0	1
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	4	3	0	0	0	0	0
Other sculpins	< 1	0	0	0	0	0	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	< 1	0	8	6	16	< 1
Bairdi Tanner crab	0	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	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	2	0	0	0	0	< 1	< 1
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	3	< 1	0	0	< 1	4	< 1
Starfish	< 1	< 1	< 1	< 1	0	< 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	0	0
Snail	< 1	< 1	0	0	< 1	< 1	< 1
Other invertebrate	2	< 1	< 1	< 1	3	1	11
Total catch (kg)	310	474	2520	183	392	104	168

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	27	28	29	30	31	32	33
Start date and time	05/31/05 11	05/31/05 15	05/31/05 19	06/01/05 08	06/01/05 11	06/01/05 17	06/01/05 19
Start latitude	N 5424.44	N 5437.82	N 5430.46	N 5406.54	N 5408.89	N 5412.71	N 5412.55
Start longitude	W 16344.25	W 16254.91	W 16209.77	W 16137.62	W 16204.05	W 16108.23	W 16105.48
End latitude	N 5424.45	N 5437.14	N 5430.57	N 5406.12	N 5409.14	N 5412.79	N 5412.66
End longitude	W 16345.53	W 16255.60	W 16211.03	W 16138.71	W 16205.27	W 16109.50	W 16106.89
Bottom depth (m)	81	78	141	240	90	724	716
Duration (minutes)	15	15.6	15	15	15	15	16.8
Distance fished (km)	1.402	1.492	1.394	1.428	1.43	1.404	1.566
Performance	0	0	0	0	1.11	0	0
Atka mackerel	0	0	0	0	7	0	0
Pacific cod	13	2	10	0	19	0	0
Walleye pollock	0	< 1	8	< 1	0	0	0
Pacific ocean perch	< 1	0	0	5	21	0	0
Northern rockfish	0	0	0	0	101	0	0
Shortraker rockfish	0	0	0	12	0	0	0
Rougheye rockfish	0	0	1	36	0	0	0
Shortspine thornyhead	0	0	0	88	< 1	54	33
Dusky rockfish	0	0	0	0	1	0	0
Other rockfish	0	0	0	< 1	< 1	0	0
Sablefish	0	0	0	15	0	111	147
Arrowtooth flounder	4	5	98	55	14	< 1	0
Pacific halibut	63	14	15	10	32	0	0
Northern rock sole	14	7	< 1	0	2	0	0
Southern rock sole	32	23	0	0	29	0	0
Flathead sole	14	12	36	0	5	0	0
Rex sole	0	< 1	10	2	0	0	0
Dover sole	0	0	0	9	0	14	9
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	0	0	0	0	0	2
Shark unident.	0	0	100	0	0	0	0
Yellow Irish lord	< 1	9	< 1	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	< 1	2	0	0	0
Smelts	0	0	< 1	0	0	0	0
Giant grenadier	0	0	0	72	0	215	748
Other fish	2	1	< 1	2	2	66	46
Bairdi Tanner crab	0	0	< 1	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	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	0	2	0	0	0
Sponge	< 1	0	0	4	< 1	< 1	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	< 1	0	0
Octopus	0	0	0	0	0	0	4
Snail	0	< 1	< 1	1	< 1	1	< 1
Other invertebrate	3	4	< 1	3	23	5	8
Total catch (kg)	145	78	281	320	260	467	996

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	34	35	36	37	38	39	40
Start date and time	06/02/05 07	06/02/05 09	06/02/05 15	06/02/05 18	06/03/05 07	06/03/05 08	06/03/05 09
Start latitude	N 5504.30	N 5458.65	N 5533.82	N 5519.82	N 5423.05	N 5423.95	N 5430.66
Start longitude	W 16233.37	W 16224.64	W 16130.49	W 16111.45	W 16053.51	W 16050.60	W 16049.84
End latitude	N 5503.49	N 5459.03	N 5533.13	N 5519.84	N 5423.16	N 5423.96	N 5430.71
End longitude	W 16233.43	W 16223.51	W 16131.40	W 16109.96	W 16054.79	W 16051.91	W 16051.11
Bottom depth (m)	29	41	33	37	108	108	137
Duration (minutes)	15.6	15	16.2	16.8	15	15	15
Distance fished (km)	1.523	1.411	1.632	1.6	1.424	1.423	1.397
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	< 1	3	0
Pacific cod	5	46	16	51	14	2	0
Walleye pollock	0	184	90	0	111	8	< 1
Pacific ocean perch	0	0	0	0	0	0	0
Northern rockfish	0	0	0	0	0	0	2
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
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	< 1	< 1	0	0	0	0
Arrowtooth flounder	5	26	11	21	57	54	46
Pacific halibut	77	43	15	34	6	11	9
Northern rock sole	161	178	89	72	9	1	< 1
Southern rock sole	9	2	0	83	2	6	< 1
Flathead sole	1	10	24	< 1	13	9	10
Rex sole	0	0	0	0	25	13	1
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	64	86	186	4	0	0	0
Other flatfish	84	4	55	65	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	0	0	0	17	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	62	22	31	10	2	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	6	5	7	0	0	0	0
Other sculpins	< 1	5	< 1	1	0	0	< 1
Smelts	< 1	0	0	0	0	0	< 1
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	< 1	< 1	< 1	0	0	2
Bairdi Tanner crab	0	0	< 1	0	0	0	< 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	0	0	0	1
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	< 1	0	< 1	< 1	< 1
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	0	< 1	< 1	< 1	0	0	0
Starfish	< 1	3	30	2	< 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	0	0	0	0
Snail	0	< 1	< 1	< 1	< 1	0	< 1
Other invertebrate	3	52	112	15	3	< 1	< 1
Total catch (kg)	477	667	668	359	259	109	74

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	41	42	43	44	45	48	49
Start date and time	06/03/05 10	06/03/05 13	06/03/05 16	06/04/05 07	06/04/05 10	06/04/05 17	06/04/05 20
Start latitude	N 5435.52	N 5451.62	N 5501.67	N 5414.23	N 5418.62	N 5420.47	N 5447.01
Start longitude	W 16054.98	W 16035.89	W 16009.88	W 16031.67	W 16034.51	W 15957.21	W 15955.67
End latitude	N 5435.54	N 5452.34	N 5502.01	N 5414.19	N 5418.58	N 5420.49	N 5447.16
End longitude	W 16056.28	W 16036.25	W 16011.23	W 16032.93	W 16035.82	W 15956.03	W 15956.95
Bottom depth (m)	123	84	36	383	115	289	66
Duration (minutes)	15	15	16.2	15	15	14.4	15
Distance fished (km)	1.418	1.436	1.599	1.384	1.441	1.293	1.416
Performance	0	0	0	0	0	1.12	0
Atka mackerel	0	161	0	0	4	0	0
Pacific cod	0	121	0	0	29	0	4
Walleye pollock	4	0	0	1	6	< 1	0
Pacific ocean perch	0	271	0	2	98	0	0
Northern rockfish	0	17	0	0	3225	0	0
Shortraker rockfish	0	0	0	107	0	70	0
Rougheye rockfish	0	0	0	17	0	44	0
Shortspine thornyhead	0	0	0	146	0	51	3
Dusky rockfish	0	1209	0	0	1267	0	0
Other rockfish	0	63	0	0	2415	0	0
Sablefish	0	0	0	75	0	111	0
Arrowtooth flounder	107	85	1	19	34	18	177
Pacific halibut	0	35	154	0	93	0	52
Northern rock sole	0	2	14	0	0	0	20
Southern rock sole	0	15	25	0	25	0	28
Flathead sole	8	12	1	0	0	0	285
Rex sole	10	0	0	< 1	0	< 1	1
Dover sole	0	0	0	17	0	2	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	227	0	0	< 1	0
Salmon	2	0	34	0	0	0	0
Skate unident.	8	0	0	0	29	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	1	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	2	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	< 1	0	< 1	< 1	< 1	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	0	3543	0	499	0
Other fish	0	51	0	< 1	90	< 1	0
Bairdi Tanner crab	< 1	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	< 1	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	< 1	0
Scallop unident.	0	< 1	0	0	< 1	0	0
Magistrate armhook squid	0	0	0	2	0	2	0
Sponge	0	< 1	0	1	< 1	< 1	0
Starfish	< 1	< 1	0	< 1	< 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	< 1	0	0	0
Snail	0	< 1	< 1	< 1	< 1	< 1	0
Other invertebrate	2	14	< 1	3	1	< 1	0
Total catch (kg)	143	2058	456	3935	7317	802	570

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	50	51	52	53	54	55	56
Start date and time	06/05/05 06	06/05/05 09	06/05/05 11	06/05/05 14	06/05/05 16	06/05/05 17	06/06/05 07
Start latitude	N 5542.48	N 5534.79	N 5525.85	N 5515.55	N 5511.14	N 5504.99	N 5531.67
Start longitude	W 16002.90	W 15949.00	W 15945.91	W 16005.19	W 16006.56	W 16016.42	W 16036.07
End latitude	N 5542.39	N 5535.43	N 5525.73	N 5516.04	N 5510.56	N 5505.73	N 5530.93
End longitude	W 16001.46	W 15949.88	W 15947.20	W 16006.18	W 16007.41	W 16016.32	W 16036.06
Bottom depth (m)	29	87	152	53	52	84	92
Duration (minutes)	16.2	15.6	14.4	15	15	15	15
Distance fished (km)	1.53	1.534	1.393	1.416	1.425	1.385	1.384
Performance	0	0	0	0	0	5.8	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	21	5	2	22	2	23	28
Walleye pollock	< 1	37	8	0	0	< 1	56
Pacific ocean perch	0	0	0	0	0	0	0
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	< 1	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	< 1
Sablefish	0	0	2	0	0	0	0
Arrowtooth flounder	8	2206	69	34	31	49	448
Pacific halibut	55	152	0	73	101	69	96
Northern rock sole	72	2	0	121	73	8	1
Southern rock sole	112	4	0	52	95	50	0
Flathead sole	11	118	27	2	10	7	203
Rex sole	0	53	4	0	0	0	0
Dover sole	0	17	< 1	0	0	0	< 1
Yellowfin sole	4	0	0	0	< 1	0	72
Other flatfish	103	6	0	0	< 1	0	4
Salmon	0	0	0	0	3	0	0
Skate unident.	14	0	0	22	0	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	< 1	0	0	0	0	10	< 1
Bigmouth sculpin	0	0	0	0	0	1	0
Great sculpin	0	0	0	0	0	1	7
Other sculpins	4	< 1	< 1	0	0	0	< 1
Smelts	< 1	0	1	0	0	0	< 1
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	0	< 1	< 1	< 1	0	< 1
Bairdi Tanner crab	< 1	0	2	0	0	0	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	< 1	0	0	0	0
Sidestripe shrimp	0	0	< 1	0	0	0	0
Scallop unident.	0	0	0	0	0	0	< 1
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	< 1	< 1	0	0	0	0	< 1
Starfish	3	0	8	< 1	< 1	< 1	5
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	< 1	1	< 1	0	< 1	0
Other invertebrate	109	< 1	< 1	< 1	< 1	< 1	11
Total catch (kg)	518	2600	128	327	317	218	933

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	57	58	59	60	61	62	63
Start date and time	06/06/05 08	06/09/05 07	06/09/05 10	06/09/05 12	06/09/05 14	06/09/05 18	06/09/05 19
Start latitude	N 5532.38	N 5546.46	N 5528.100	N 5529.04	N 5528.20	N 5518.18	N 5510.89
Start longitude	W 16043.96	W 15905.24	W 15841.18	W 15826.64	W 15802.67	W 15836.01	W 15825.47
End latitude	N 5532.26	N 5547.05	N 5529.76	N 5529.07	N 5528.78	N 5518.82	N 5511.36
End longitude	W 16042.67	W 15906.19	W 15840.92	W 15825.30	W 15801.81	W 15836.71	W 15826.33
Bottom depth (m)	25	97	161	144	122	183	183
Duration (minutes)	15	15.6	15.6	15	15.6	15	13.8
Distance fished (km)	1.395	1.501	1.485	1.42	1.452	1.429	1.273
Performance	5.8	0	0	0	0	0	5
Atka mackerel	0	0	2	2	3	4	0
Pacific cod	18	17	0	0	11	0	0
Walleye pollock	0	< 1	< 1	< 1	0	< 1	5
Pacific ocean perch	0	0	0	0	137	28	0
Northern rockfish	0	0	0	0	932	0	< 1
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	3	6	0	2	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	0	0	25	2	0
Other rockfish	0	0	0	0	24	0	0
Sablefish	0	0	0	0	8	10	0
Arrowtooth flounder	97	606	104	123	213	317	44
Pacific halibut	47	37	0	0	9	8	3
Northern rock sole	23	0	0	0	0	0	0
Southern rock sole	0	6	0	0	0	0	0
Flathead sole	223	17	62	65	23	53	32
Rex sole	0	14	20	1	10	32	7
Dover sole	0	7	0	0	5	18	< 1
Yellowfin sole	597	0	0	0	0	0	0
Other flatfish	149	< 1	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	0	0	13	14	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	1	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	11	0
Great sculpin	4	0	0	0	0	0	0
Other sculpins	6	< 1	< 1	< 1	0	< 1	< 1
Smelts	< 1	< 1	2	3	0	< 1	13
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	0	< 1	< 1	20	0	0
Bairdi Tanner crab	< 1	< 1	0	< 1	0	2	< 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	< 1	< 1	0	< 1	< 1
Sidestripe shrimp	0	0	< 1	< 1	0	1	< 1
Scallop unident.	< 1	< 1	0	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	0	< 1
Sponge	0	0	0	0	0	0	< 1
Starfish	11	< 1	1	2	< 1	< 1	5
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	0
Other invertebrate	9	1	< 1	< 1	2	4	< 1
Total catch (kg)	1184	709	197	218	1437	496	114

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	64	65	66	67	68	69	70
Start date and time	06/10/05 06	06/10/05 09	06/10/05 12	06/10/05 13	06/10/05 16	06/10/05 19	06/11/05 06
Start latitude	N 5428.07	N 5438.09	N 5452.60	N 5453.68	N 5435.39	N 5442.42	N 5512.11
Start longitude	W 15910.90	W 15903.59	W 15902.04	W 15846.13	W 15847.11	W 15824.13	W 15754.68
End latitude	N 5428.22	N 5437.67	N 5453.06	N 5453.72	N 5435.44	N 5443.19	N 5512.87
End longitude	W 15909.58	W 15904.69	W 15900.97	W 15844.84	W 15845.81	W 15823.90	W 15754.54
Bottom depth (m)	211	96	76	86	155	192	83
Duration (minutes)	15.6	15.6	15.6	15.6	15.6	15.6	15.6
Distance fished (km)	1.474	1.443	1.452	1.394	1.412	1.457	1.448
Performance	5.41	1.11	0	1.11	0	0	0
Atka mackerel	0	28	2	0	1	< 1	0
Pacific cod	0	10	< 1	22	41	2	< 1
Walleye pollock	14	0	< 1	0	3	44	0
Pacific ocean perch	143	288	< 1	2	527	19	< 1
Northern rockfish	2	947	2	< 1	8	3	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	< 1	0	0	0	0	0	0
Shortspine thornyhead	52	0	0	0	12	16	0
Dusky rockfish	0	140	0	0	0	0	0
Other rockfish	21	63	0	0	< 1	0	0
Sablefish	58	0	0	0	46	31	0
Arrowtooth flounder	35	9	5	9	48	26	1
Pacific halibut	28	46	24	11	18	0	9
Northern rock sole	0	6	0	< 1	0	0	1
Southern rock sole	0	20	< 1	19	1	0	35
Flathead sole	4	0	0	6	0	0	< 1
Rex sole	10	0	0	5	5	37	0
Dover sole	2	0	0	0	< 1	3	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	18	0	0	0	0	< 1	< 1
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	2	0	0	1
Bigmouth sculpin	0	0	0	0	< 1	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	6	0	0	0	< 1	< 1	< 1
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	4	4	1	0	0	< 1	2
Bairdi Tanner crab	< 1	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	< 1	0	0	0	< 1	< 1	0
Scallop unident.	0	< 1	< 1	< 1	< 1	0	5
Magistrate armhook squid	9	< 1	0	0	< 1	< 1	0
Sponge	1	2	< 1	< 1	5	< 1	< 1
Starfish	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	< 1	< 1	0	0	< 1	< 1
Octopus	0	< 1	0	0	0	< 1	0
Snail	< 1	< 1	< 1	< 1	< 1	< 1	0
Other invertebrate	1	< 1	< 1	2	< 1	1	< 1
Total catch (kg)	410	1567	36	80	720	185	55

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	71	72	73	74	75	76	77
Start date and time	06/11/05 08	06/11/05 09	06/11/05 10	06/11/05 14	06/11/05 16	06/11/05 18	06/12/05 06
Start latitude	N 5514.56	N 5515.03	N 5514.51	N 5447.82	N 5454.73	N 5456.68	N 5516.76
Start longitude	W 15756.49	W 15751.93	W 15745.30	W 15753.05	W 15728.19	W 15717.77	W 15710.60
End latitude	N 5515.28	N 5515.02	N 5515.22	N 5448.33	N 5455.08	N 5457.34	N 5516.03
End longitude	W 15755.99	W 15753.27	W 15745.82	W 15752.04	W 15727.03	W 15716.96	W 15710.22
Bottom depth (m)	84	80	83	193	188	229	98
Duration (minutes)	15.6	15.6	15.6	15.6	15.6	16.2	15.6
Distance fished (km)	1.475	1.432	1.454	1.469	1.427	1.527	1.443
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	7	0	0	0	0
Pacific cod	0	0	18	7	7	2	2
Walleye pollock	0	< 1	< 1	99	10	51	0
Pacific ocean perch	0	0	< 1	424	741	29	0
Northern rockfish	0	0	0	3	1	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	0	10	0
Shortspine thornyhead	0	0	0	20	16	46	0
Dusky rockfish	0	0	0	3	4	0	0
Other rockfish	0	0	0	2	< 1	11	0
Sablefish	0	0	0	13	4	96	0
Arrowtooth flounder	3	12	36	58	30	24	38
Pacific halibut	20	20	27	0	0	19	26
Northern rock sole	< 1	< 1	0	0	0	0	0
Southern rock sole	82	25	40	0	0	0	0
Flathead sole	0	0	< 1	0	0	0	0
Rex sole	0	0	< 1	13	16	32	1
Dover sole	0	0	0	4	5	7	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	7	2	0	0	0	0	0
Skate unident.	< 1	0	0	0	0	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	< 1	0	< 1	0	0	0	0
Bigmouth sculpin	0	0	0	0	20	16	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	< 1	< 1	< 1	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	< 1	< 1	0	< 1	18	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	< 1	< 1	< 1	0
Scallop unident.	4	< 1	5	< 1	0	0	< 1
Magistrate armhook squid	0	0	0	< 1	< 1	< 1	0
Sponge	0	2	< 1	< 1	0	1	0
Starfish	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	< 1	0	0	0	0
Octopus	0	0	0	0	0	0	< 1
Snail	0	< 1	< 1	< 1	< 1	< 1	0
Other invertebrate	< 1	< 1	10	< 1	< 1	4	2
Total catch (kg)	115	63	147	647	855	368	70

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	78	79	81	82	83	84	85
Start date and time	06/12/05 09	06/12/05 12	06/12/05 16	06/12/05 19	06/13/05 06	06/13/05 08	06/13/05 10
Start latitude	N 5500.73	N 5513.32	N 5517.92	N 5510.70	N 5536.28	N 5533.92	N 5514.89
Start longitude	W 15701.74	W 15644.25	W 15629.17	W 15624.37	W 15534.08	W 15536.80	W 15552.01
End latitude	N 5500.78	N 5513.68	N 5518.52	N 5510.93	N 5535.78	N 5533.17	N 5514.58
End longitude	W 15659.76	W 15643.09	W 15628.24	W 15622.93	W 15535.09	W 15536.98	W 15553.60
Bottom depth (m)	703	165	148	409	215	216	732
Duration (minutes)	23.4	15.6	16.2	18	15.6	15	19.2
Distance fished (km)	2.142	1.421	1.517	1.617	1.442	1.429	1.807
Performance	1.11	0	0	0	0	0	0
Atka mackerel	0	0	5	0	13	3	0
Pacific cod	0	10	0	0	18	2	0
Walleye pollock	0	1	0	0	34	36	0
Pacific ocean perch	0	682	789	0	360	883	0
Northern rockfish	0	11	59	0	28	15	0
Shortraker rockfish	0	0	0	30	0	0	0
Rougheye rockfish	0	0	0	0	0	0	0
Shortspine thornyhead	83	0	0	50	67	59	35
Dusky rockfish	0	9	77	0	24	10	0
Other rockfish	0	1	< 1	0	< 1	3	0
Sablefish	277	9	2	81	63	52	146
Arrowtooth flounder	< 1	118	44	7	33	26	0
Pacific halibut	0	9	68	0	11	0	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	12	7	0	36	19	0
Dover sole	27	5	< 1	8	26	13	13
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	2	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	3	2	8	0	3	< 1	2
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	7	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	< 1	0	< 1	< 1	1	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	373	0	0	1447	0	0	330
Other fish	82	3	0	10	3	< 1	17
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	0	0	0	0	0	0	0
Sidestripe shrimp	0	< 1	0	0	< 1	< 1	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	< 1	1	< 1	0
Sponge	0	5	< 1	0	< 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	< 1	0	0
Octopus	< 1	0	0	0	0	0	0
Snail	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Other invertebrate	56	1	1	1	5	3	77
Total catch (kg)	903	880	1062	1640	735	1127	621

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	86	87	88	89	90	91	92
Start date and time	06/13/05 14	06/13/05 17	06/14/05 06	06/14/05 08	06/14/05 11	06/14/05 14	06/14/05 17
Start latitude	N 5523.94	N 5534.94	N 5530.84	N 5538.66	N 5547.05	N 5609.78	N 5608.02
Start longitude	W 15559.24	W 15533.14	W 15632.74	W 15615.46	W 15640.72	W 15625.43	W 15603.70
End latitude	N 5524.13	N 5534.39	N 5531.47	N 5539.42	N 5547.80	N 5610.56	N 5608.68
End longitude	W 15557.94	W 15534.06	W 15633.53	W 15615.56	W 15640.72	W 15625.56	W 15604.41
Bottom depth (m)	208	291	233	254	235	247	235
Duration (minutes)	15.6	15.6	15.6	15.6	15.6	16.2	15.6
Distance fished (km)	1.434	1.436	1.47	1.427	1.392	1.47	1.484
Performance	-2.4	0	0	0	1.11	0	0
Atka mackerel	2	0	0	1	0	1	0
Pacific cod	9	0	0	0	0	0	0
Walleye pollock	158	0	8	12	56	44	2
Pacific ocean perch	167	9	0	1	2	0	0
Northern rockfish	< 1	0	0	0	0	0	0
Shortraker rockfish	0	38	0	0	0	0	0
Rougheye rockfish	< 1	34	1	1	6	2	13
Shortspine thornyhead	0	55	1	5	0	0	25
Dusky rockfish	3	0	0	1	0	0	0
Other rockfish	< 1	0	0	0	0	0	0
Sablefish	14	184	13	24	10	20	8
Arrowtooth flounder	0	14	246	26	190	199	116
Pacific halibut	0	0	0	10	19	0	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	3	0	7	0	4	3	3
Rex sole	113	20	41	23	19	28	4
Dover sole	6	8	17	8	19	5	2
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	< 1	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	13	0	18	8	36	91	23
Shark unident.	0	0	0	0	334	200	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	9	< 1	3	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	< 1	0	0	0	0	0
Smelts	0	< 1	19	8	13	9	97
Giant grenadier	0	609	0	0	0	0	0
Other fish	1	< 1	0	< 1	0	1	< 1
Bairdi Tanner crab	0	0	< 1	< 1	< 1	1	< 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	< 1	< 1	0	1	< 1
Sidestripe shrimp	< 1	< 1	1	< 1	< 1	3	< 1
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	4	0	< 1	0	5	0
Sponge	0	< 1	0	< 1	< 1	0	0
Starfish	< 1	< 1	3	3	< 1	4	2
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	< 1	0	0	0	0	0
Snail	< 1	< 1	< 1	0	< 1	< 1	1
Other invertebrate	1	3	2	< 1	< 1	< 1	2
Total catch (kg)	504	980	381	134	712	617	298

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	93	94	95	96	97	98	100
Start date and time	06/14/05 19	06/15/05 06	06/15/05 07	06/15/05 08	06/15/05 10	06/15/05 12	06/15/05 15
Start latitude	N 5559.88	N 5616.52	N 5619.99	N 5621.36	N 5611.37	N 5609.09	N 5555.92
Start longitude	W 15552.59	W 15541.17	W 15536.66	W 15534.55	W 15537.29	W 15523.77	W 15520.75
End latitude	N 5600.46	N 5617.15	N 5620.70	N 5622.13	N 5610.62	N 5608.30	N 5555.16
End longitude	W 15551.66	W 15540.30	W 15536.11	W 15534.45	W 15537.64	W 15523.87	W 15520.75
Bottom depth (m)	69	71	72	67	61	36	49
Duration (minutes)	15.6	16.2	15.6	15.6	15.6	15.6	15.6
Distance fished (km)	1.486	1.513	1.456	1.467	1.477	1.482	1.411
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	3	0	65	65	0	11	0
Walleye pollock	0	< 1	0	0	0	0	0
Pacific ocean perch	0	0	0	0	0	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	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
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	28	55	22	20	0	0	0
Pacific halibut	45	36	33	49	106	29	110
Northern rock sole	9	22	12	2	37	4	2
Southern rock sole	9	50	3	5	5	2	0
Flathead sole	0	5	< 1	< 1	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
Other flatfish	0	< 1	14	52	2	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	0	0	0	0	17	0
Shark unident.	0	0	0	0	0	0	2
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	0	0
Smelts	3	0	0	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	0	0	0	0	6	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	< 1	0	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	< 1	< 1	0	< 1	0	0	0
Starfish	6	0	0	0	0	21	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	< 1	0	0
Snail	< 1	< 1	< 1	< 1	2	< 1	0
Other invertebrate	< 1	< 1	< 1	< 1	15	19	0
Total catch (kg)	105	169	150	196	166	109	114

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	101	102	103	104	105	106	107
Start date and time	06/15/05 17	06/15/05 18	06/15/05 19	06/16/05 07	06/16/05 09	06/16/05 11	06/16/05 13
Start latitude	N 5548.52	N 5547.04	N 5546.25	N 5537.50	N 5537.82	N 5540.74	N 5545.15
Start longitude	W 15519.86	W 15519.10	W 15522.30	W 15447.74	W 15447.75	W 15502.14	W 15509.52
End latitude	N 5549.25	N 5546.44	N 5545.75	N 5536.69	N 5537.09	N 5540.99	N 5545.54
End longitude	W 15519.36	W 15519.91	W 15523.30	W 15447.83	W 15447.87	W 15500.88	W 15508.34
Bottom depth (m)	58	78	61	883	882	470	167
Duration (minutes)	16.2	15.6	15.6	16.8	16.8	15.6	15.6
Distance fished (km)	1.5	1.431	1.423	1.528	1.368	1.416	1.455
Performance	0	0	0	-5.1	0	0	0
Atka mackerel	0	0	0	0	0	0	5
Pacific cod	0	0	0	0	0	0	5
Walleye pollock	0	0	0	< 1	0	0	59
Pacific ocean perch	0	0	0	0	0	0	481
Northern rockfish	0	0	0	0	0	0	6
Shortraker rockfish	0	0	0	0	0	4	0
Rougheye rockfish	0	0	0	0	0	0	0
Shortspine thornyhead	0	0	0	5	12	79	0
Dusky rockfish	0	0	0	0	0	0	5
Other rockfish	0	0	0	0	0	0	1
Sablefish	0	0	0	24	21	187	10
Arrowtooth flounder	2	9	0	0	0	2	52
Pacific halibut	36	48	86	0	0	0	0
Northern rock sole	4	62	9	0	0	0	0
Southern rock sole	19	17	34	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	0	0	0	0	0	8
Dover sole	0	0	0	2	< 1	28	< 1
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	< 1	< 1	0	0	0	0
Salmon	0	0	2	0	0	0	0
Skate unident.	0	11	0	0	0	0	14
Shark unident.	0	0	0	0	0	0	1
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	< 1	0	< 1	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	0	118	174	2567	0
Other fish	0	< 1	0	54	83	< 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	< 1
Scallop unident.	0	< 1	0	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	< 1	0
Sponge	0	0	0	0	0	< 1	< 1
Starfish	0	< 1	0	0	0	< 1	1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	< 1	0
Octopus	0	0	0	< 1	< 1	2	0
Snail	0	0	0	0	0	0	< 1
Other invertebrate	< 1	< 1	0	1	2	41	< 1
Total catch (kg)	63	150	132	204	294	2911	650

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	108	109	110	111	112	113	114
Start date and time	06/16/05 17	06/16/05 20	06/17/05 07	06/17/05 09	06/17/05 11	06/18/05 06	06/18/05 09
Start latitude	N 5543.86	N 5552.60	N 5611.22	N 5616.89	N 5608.02	N 5600.93	N 5555.34
Start longitude	W 15419.82	W 15408.47	W 15447.25	W 15430.40	W 15412.57	W 15433.25	W 15404.48
End latitude	N 5544.19	N 5552.15	N 5611.79	N 5616.16	N 5607.43	N 5600.85	N 5555.46
End longitude	W 15418.55	W 15409.56	W 15446.33	W 15430.14	W 15411.75	W 15431.94	W 15403.010
Bottom depth (m)	637	559	61	86	106	327	472
Duration (minutes)	15.6	15.6	15	15.6	15.6	15	16.2
Distance fished (km)	1.481	1.436	1.449	1.405	1.413	1.382	1.483
Performance	0	0	0	0	1.11	0	0
Atka mackerel	0	0	0	0	5	0	0
Pacific cod	0	0	31	42	0	0	0
Walleye pollock	0	0	0	< 1	0	0	0
Pacific ocean perch	0	0	0	< 1	5	< 1	0
Northern rockfish	0	0	0	195	1828	0	0
Shortraker rockfish	3	0	0	0	0	55	3
Rougheye rockfish	0	0	0	0	0	57	0
Shortspine thornyhead	61	29	0	0	0	109	34
Dusky rockfish	0	0	0	4	1181	0	0
Other rockfish	0	0	0	0	50	< 1	0
Sablefish	98	109	0	0	0	133	134
Arrowtooth flounder	0	0	243	424	20	13	2
Pacific halibut	0	0	34	11	32	5	0
Northern rock sole	0	0	43	56	0	0	0
Southern rock sole	0	0	46	4	2	0	0
Flathead sole	0	0	0	18	38	0	0
Rex sole	0	< 1	0	143	30	6	2
Dover sole	2	14	0	2	0	10	9
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	17	< 1	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	5	6	2	10	0	4	0
Shark unident.	0	0	180	0	0	0	0
Yellow Irish lord	0	0	0	3	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	< 1	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	334	330	0	0	0	646	1112
Other fish	81	15	0	1	16	< 1	1
Bairdi Tanner crab	0	0	0	0	0	0	0
Golden king crab	0	0	0	0	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	< 1	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	2	< 1
Sponge	4	0	0	< 1	0	< 1	< 1
Starfish	< 1	< 1	8	10	0	< 1	< 1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	< 1
Octopus	< 1	0	0	0	0	< 1	0
Snail	< 1	< 1	0	0	< 1	< 1	< 1
Other invertebrate	15	2	0	6	5	8	2
Total catch (kg)	602	506	604	932	3214	1056	1299

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	115	116	117	118	119	120	121
Start date and time	06/18/05 13	06/18/05 17	06/19/05 06	06/19/05 08	06/19/05 11	06/19/05 13	06/19/05 15
Start latitude	N 5601.69	N 5608.59	N 5640.05	N 5646.42	N 5646.54	N 5648.59	N 5638.72
Start longitude	W 15328.78	W 15353.90	W 15353.53	W 15332.39	W 15344.98	W 15316.83	W 15313.33
End latitude	N 5600.95	N 5608.98	N 5639.35	N 5646.93	N 5646.85	N 5648.55	N 5638.65
End longitude	W 15328.39	W 15355.03	W 15354.010	W 15333.50	W 15343.69	W 15318.20	W 15314.69
Bottom depth (m)	400	223	67	76	78	164	145
Duration (minutes)	15.6	15.6	15.6	16.2	15.6	15.6	15.6
Distance fished (km)	1.458	1.401	1.454	1.497	1.457	1.415	1.425
Performance	0	0	0	0	0	0	0
Atka mackerel	0	1	0	0	0	0	0
Pacific cod	0	4	0	< 1	< 1	1	0
Walleye pollock	1	4	0	< 1	< 1	0	0
Pacific ocean perch	< 1	8	0	< 1	0	0	0
Northern rockfish	0	3	0	< 1	0	0	0
Shortraker rockfish	26	0	0	0	0	0	0
Rougheye rockfish	6	1	0	0	0	22	2
Shortspine thornyhead	59	28	0	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	9	0	0	0	0	0
Sablefish	344	28	0	0	0	0	0
Arrowtooth flounder	35	425	20	4	56	670	238
Pacific halibut	0	8	163	89	79	21	< 1
Northern rock sole	0	0	52	3	81	0	0
Southern rock sole	0	0	58	68	33	0	0
Flathead sole	0	0	0	0	5	69	36
Rex sole	24	10	0	0	0	12	19
Dover sole	73	< 1	0	0	< 1	4	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	56	0	< 1
Salmon	0	0	0	0	0	0	0
Skate unident.	2	< 1	13	13	9	64	30
Shark unident.	0	0	7	5	0	0	0
Yellow Irish lord	0	0	9	1	< 1	0	0
Bigmouth sculpin	1	0	0	0	0	5	0
Great sculpin	0	0	4	0	4	0	0
Other sculpins	0	< 1	0	0	< 1	< 1	< 1
Smelts	0	0	0	0	0	< 1	56
Giant grenadier	872	0	0	0	0	0	0
Other fish	< 1	0	10	1	0	4	0
Bairdi Tanner crab	0	0	0	0	0	11	4
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	< 1	0
Sidestripe shrimp	< 1	< 1	0	0	0	< 1	< 1
Scallop unident.	0	0	< 1	< 1	< 1	0	< 1
Magistrate armhook squid	2	0	0	0	0	0	0
Sponge	< 1	0	6	< 1	< 1	0	0
Starfish	< 1	< 1	6	4	6	11	6
Soft coral	0	0	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	2	< 1
Other invertebrate	4	< 1	19	20	< 1	< 1	< 1
Total catch (kg)	1452	531	368	212	331	899	394

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	122	123	124	125	126	127	128
Start date and time	06/19/05 17	06/19/05 19	06/20/05 06	06/20/05 08	06/20/05 10	06/20/05 11	06/20/05 12
Start latitude	N 5638.20	N 5632.59	N 5629.83	N 5629.96	N 5629.44	N 5632.90	N 5632.97
Start longitude	W 15312.71	W 15318.97	W 15336.69	W 15332.95	W 15306.01	W 15304.59	W 15300.31
End latitude	N 5638.15	N 5633.02	N 5629.09	N 5629.34	N 5629.47	N 5632.64	N 5632.34
End longitude	W 15314.12	W 15317.77	W 15337.04	W 15333.80	W 15304.60	W 15303.17	W 15259.48
Bottom depth (m)	143	94	143	129	69	95	94
Duration (minutes)	16.2	15	15.6	15.6	15.6	16.8	15.6
Distance fished (km)	1.451	1.477	1.454	1.471	1.453	1.549	1.476
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	< 1	10	0	18	2
Walleye pollock	0	< 1	0	0	0	0	< 1
Pacific ocean perch	0	0	0	0	0	0	0
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	4	0	0	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
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	337	122	364	508	0	1007	304
Pacific halibut	4	19	29	3	43	43	144
Northern rock sole	0	4	1	0	93	5	4
Southern rock sole	0	6	< 1	0	16	< 1	5
Flathead sole	41	8	13	37	0	42	8
Rex sole	19	8	44	118	0	44	5
Dover sole	< 1	< 1	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	3	0	10	21	7	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	4	< 1	< 1	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	2	0	4
Other sculpins	< 1	0	< 1	< 1	< 1	0	0
Smelts	69	< 1	0	0	< 1	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	< 1	0	6	9	0	0
Bairdi Tanner crab	2	0	2	< 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	0	0	0	0	0	0	0
Sidestripe shrimp	< 1	0	0	0	0	0	0
Scallop unident.	0	< 1	< 1	0	< 1	< 1	< 1
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	0	< 1	0	0	0	0	< 1
Starfish	7	< 1	4	3	< 1	< 1	3
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	< 1	< 1
Other invertebrate	< 1	1	1	< 1	3	2	17
Total catch (kg)	488	170	474	709	174	1162	498

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	129	130	131	132	133	134	135
Start date and time	06/20/05 17	06/21/05 06	06/21/05 08	06/21/05 10	06/21/05 11	06/21/05 12	06/21/05 15
Start latitude	N 5617.08	N 5641.99	N 5638.63	N 5635.56	N 5635.57	N 5632.36	N 5635.46
Start longitude	W 15311.12	W 15245.38	W 15237.36	W 15227.93	W 15226.46	W 15224.46	W 15256.08
End latitude	N 5616.69	N 5641.18	N 5639.38	N 5635.51	N 5634.82	N 5632.30	N 5635.02
End longitude	W 15309.97	W 15245.47	W 15237.53	W 15229.29	W 15226.12	W 15223.06	W 15254.93
Bottom depth (m)	355	80	112	145	143	283	89
Duration (minutes)	15	15.6	15	15	15.6	15.6	15.6
Distance fished (km)	1.417	1.511	1.435	1.405	1.462	1.459	1.456
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	1	0	1	0	0
Pacific cod	0	< 1	4	7	0	0	< 1
Walleye pollock	0	0	0	< 1	< 1	2	1
Pacific ocean perch	0	0	8	1	< 1	20	0
Northern rockfish	0	0	47	< 1	< 1	0	0
Shortraker rockfish	188	0	0	0	0	298	0
Rougheye rockfish	53	0	0	0	0	160	0
Shortspine thornyhead	67	0	0	0	0	58	0
Dusky rockfish	0	0	26	1	0	0	0
Other rockfish	0	0	0	0	0	3	0
Sablefish	912	0	0	0	0	484	0
Arrowtooth flounder	136	160	507	34	178	93	72
Pacific halibut	0	1018	0	21	1	0	98
Northern rock sole	0	6	0	0	0	0	2
Southern rock sole	0	67	0	4	26	0	1
Flathead sole	0	0	7	0	0	5	0
Rex sole	2	0	364	< 1	7	32	0
Dover sole	72	0	34	0	0	15	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	6	0	29	0	12	0	3
Shark unident.	0	6	2	0	0	0	0
Yellow Irish lord	0	0	< 1	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	< 1	< 1	< 1	0
Smelts	0	0	0	0	0	2	2
Giant grenadier	443	0	0	0	0	0	0
Other fish	< 1	0	0	< 1	12	< 1	< 1
Bairdi Tanner crab	1	0	< 1	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	< 1	0	0	0
Sidestripe shrimp	< 1	0	0	0	0	< 1	0
Scallop unident.	0	< 1	0	0	< 1	0	< 1
Magistrate armhook squid	2	< 1	0	0	0	0	0
Sponge	0	0	0	< 1	0	0	< 1
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	0	0	0	0
Snail	6	0	< 1	< 1	0	< 1	< 1
Other invertebrate	9	2	< 1	2	3	1	1
Total catch (kg)	1899	1260	1030	73	241	1172	183

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	136	137	138	139	140	141	142
Start date and time	06/21/05 18	06/22/05 06	06/22/05 08	06/22/05 09	06/22/05 11	06/22/05 13	06/22/05 15
Start latitude	N 5646.51	N 5634.99	N 5643.34	N 5644.72	N 5646.07	N 5648.34	N 5649.02
Start longitude	W 15234.07	W 15158.90	W 15149.13	W 15153.53	W 15148.04	W 15149.12	W 15202.45
End latitude	N 5647.26	N 5634.55	N 5642.63	N 5644.11	N 5645.34	N 5647.62	N 5648.32
End longitude	W 15234.05	W 15200.01	W 15149.57	W 15154.010	W 15148.34	W 15149.57	W 15202.99
Bottom depth (m)	134	140	132	74	139	127	91
Duration (minutes)	15	15	15	13.8	15.6	15.6	15.6
Distance fished (km)	1.416	1.43	1.424	1.298	1.43	1.451	1.438
Performance	0	0	0	1.1	0	0	0
Atka mackerel	0	0	0	0	1	0	0
Pacific cod	0	48	12	< 1	20	3	0
Walleye pollock	0	0	< 1	0	27	0	0
Pacific ocean perch	< 1	2	12	2	1412	3214	0
Northern rockfish	< 1	0	0	1	< 1	< 1	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	1	0	0
Dusky rockfish	0	0	0	< 1	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	1	1	0	9	2	0
Arrowtooth flounder	217	412	169	2	89	296	339
Pacific halibut	0	33	22	52	3	26	62
Northern rock sole	0	0	0	0	0	0	9
Southern rock sole	0	0	0	< 1	< 1	1	41
Flathead sole	1	0	0	0	< 1	2	0
Rex sole	5	2	10	0	6	17	0
Dover sole	2	4	< 1	0	< 1	7	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	13
Skate unident.	1	< 1	0	0	0	0	0
Shark unident.	1	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	< 1	< 1	0	< 1	< 1	0
Smelts	0	0	0	0	0	0	2
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	18	< 1	13	1	0	0
Bairdi Tanner crab	1	< 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	0	0	0	0	< 1	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	< 1	< 1	< 1	< 1	0	3
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	< 1	0	2	5	< 1	0	0
Starfish	< 1	< 1	2	< 1	< 1	< 1	< 1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	< 1	< 1	< 1	0	0
Octopus	0	0	0	0	0	0	0
Snail	< 1	< 1	< 1	< 1	0	< 1	0
Other invertebrate	< 1	2	7	2	< 1	< 1	< 1
Total catch (kg)	232	523	240	79	1574	3568	470

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	143	144	145	146	147	148	149
Start date and time	06/22/05 17	06/23/05 06	06/23/05 09	06/23/05 11	06/23/05 13	06/23/05 15	06/23/05 17
Start latitude	N 5649.64	N 5658.60	N 5658.46	N 5701.87	N 5709.09	N 5717.00	N 5706.91
Start longitude	W 15141.51	W 15057.100	W 15113.19	W 15125.91	W 15115.65	W 15133.95	W 15149.70
End latitude	N 5650.27	N 5657.75	N 5659.09	N 5701.21	N 5708.43	N 5716.24	N 5707.07
End longitude	W 15140.73	W 15058.61	W 15114.05	W 15126.60	W 15116.28	W 15134.31	W 15148.39
Bottom depth (m)	251	827	740	380	128	67	80
Duration (minutes)	15.6	18.6	16.8	15.6	15	16.2	15
Distance fished (km)	1.446	1.736	1.482	1.441	1.413	1.53	1.379
Performance	0	-5.1	0	0	0	1.1	1.1
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	0	0	46	< 1	13
Walleye pollock	8	< 1	0	< 1	0	0	< 1
Pacific ocean perch	720	0	0	2	< 1	0	0
Northern rockfish	3	0	0	0	0	0	0
Shortraker rockfish	0	0	0	19	0	0	0
Rougheye rockfish	3	0	0	3	0	0	0
Shortspine thornyhead	44	13	40	48	0	0	0
Dusky rockfish	4	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	76	16	40	346	0	0	0
Arrowtooth flounder	111	0	0	69	51	0	76
Pacific halibut	0	0	0	16	12	118	23
Northern rock sole	0	0	0	0	0	< 1	9
Southern rock sole	0	0	0	0	27	5	76
Flathead sole	0	0	0	0	0	0	0
Rex sole	57	0	0	3	0	0	0
Dover sole	6	0	2	29	< 1	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	1	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	0	0	0	0	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	9
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	< 1	< 1	< 1
Smelts	0	0	0	0	0	0	2
Giant grenadier	0	106	55	127	0	0	0
Other fish	0	54	71	< 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	< 1	0	0	< 1	0	0	0
Scallop unident.	0	0	0	0	< 1	< 1	1
Magistrate armhook squid	2	0	< 1	< 1	0	0	0
Sponge	0	0	8	0	0	< 1	3
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	< 1	< 1	< 1	0	0	0
Snail	0	0	0	17	< 1	< 1	< 1
Other invertebrate	< 1	1	< 1	8	< 1	2	27
Total catch (kg)	1033	193	217	690	138	128	241

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	150	151	152	153	154	155	156
Start date and time	06/23/05 19	06/24/05 06	06/24/05 11	06/24/05 13	06/24/05 18	06/25/05 06	06/25/05 08
Start latitude	N 5659.84	N 5654.19	N 5701.50	N 5657.45	N 5713.59	N 5716.01	N 5719.12
Start longitude	W 15157.86	W 15213.05	W 15302.99	W 15324.95	W 15236.99	W 15233.84	W 15231.99
End latitude	N 5659.04	N 5654.05	N 5700.90	N 5658.20	N 5714.36	N 5715.23	N 5719.89
End longitude	W 15157.97	W 15214.41	W 15303.94	W 15325.38	W 15236.97	W 15233.87	W 15232.11
Bottom depth (m)	84	82	72	107	79	100	103
Duration (minutes)	16.2	15	15.6	15.6	15.6	15.6	15.6
Distance fished (km)	1.49	1.422	1.497	1.48	1.445	1.458	1.457
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	4	0	4	868	222	6	45
Walleye pollock	< 1	0	< 1	1251	10	1659	1240
Pacific ocean perch	0	< 1	0	0	0	0	0
Northern rockfish	0	< 1	2	0	0	1	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
Dusky rockfish	0	0	4	0	0	0	0
Other rockfish	0	0	< 1	0	0	0	0
Sablefish	0	0	0	0	0	0	2
Arrowtooth flounder	4	0	92	324	976	534	351
Pacific halibut	134	4199	24	207	47	104	46
Northern rock sole	3	0	8	40	61	39	0
Southern rock sole	40	2	139	5	23	2	< 1
Flathead sole	0	0	3	72	12	32	58
Rex sole	0	0	0	10	< 1	24	0
Dover sole	0	0	0	2	< 1	2	0
Yellowfin sole	0	0	0	18	0	0	0
Other flatfish	0	0	0	24	3	1	2
Salmon	0	0	0	0	0	0	0
Skate unident.	0	9	0	13	3	22	10
Shark unident.	0	0	10	0	9	0	0
Yellow Irish lord	0	0	2	5	26	51	< 1
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	3	0	6	16
Other sculpins	0	0	< 1	< 1	0	0	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	11	4	< 1	0	0	3
Bairdi Tanner crab	0	0	0	< 1	0	< 1	6
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	< 1	< 1
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	< 1	< 1	< 1	< 1	< 1	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	< 1	2	2	< 1	< 1	0	0
Starfish	< 1	< 1	3	8	2	2	15
Soft coral	0	0	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	0	0	0
Other invertebrate	9	7	5	9	31	2	< 1
Total catch (kg)	195	4233	305	2858	1425	2488	1795

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	157	158	159	160	161	162	163
Start date and time	06/25/05 10	06/25/05 12	06/25/05 13	06/28/05 08	06/28/05 12	06/28/05 16	06/29/05 06
Start latitude	N 5719.05	N 5722.75	N 5719.53	N 5728.34	N 5725.82	N 5731.81	N 5751.55
Start longitude	W 15225.28	W 15226.30	W 15214.72	W 15006.19	W 15021.01	W 14951.77	W 14915.40
End latitude	N 5719.67	N 5722.28	N 5718.90	N 5729.10	N 5726.40	N 5732.46	N 5751.53
End longitude	W 15226.17	W 15225.19	W 15215.95	W 15004.25	W 15019.55	W 14951.00	W 14916.90
Bottom depth (m)	73	56	70	620	381	803	722
Duration (minutes)	15.6	15.6	16.2	28.2	20.4	16.8	16.2
Distance fished (km)	1.482	1.439	1.72	2.482	1.85	1.474	1.501
Performance	0	-2.4	6	-4.1	1.11	0	6.1
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	12	0	31	0	0	0	0
Walleye pollock	18	0	< 1	0	0	0	0
Pacific ocean perch	0	0	0	0	1	0	0
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	40	0	0
Rougheye rockfish	0	0	0	0	15	2	0
Shortspine thornyhead	0	0	0	41	42	22	37
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	168	47	97	160
Arrowtooth flounder	61	3	4	0	13	0	0
Pacific halibut	15	35	8	0	0	0	0
Northern rock sole	348	308	2	0	0	0	0
Southern rock sole	10	36	93	0	0	0	0
Flathead sole	23	0	0	0	0	0	0
Rex sole	0	0	0	0	7	0	0
Dover sole	0	0	0	13	20	0	12
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	26	99	0	0	0	0	0
Salmon	2	0	0	0	2	0	0
Skate unident.	9	36	0	3	0	0	0
Shark unident.	0	0	20	0	0	0	0
Yellow Irish lord	2	6	23	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	2	0	0	0	0	0
Other sculpins	0	0	< 1	0	< 1	0	0
Smelts	0	0	< 1	0	0	0	0
Giant grenadier	0	0	0	350	61	101	285
Other fish	2	< 1	0	47	< 1	26	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	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	0	< 1	0	0
Sponge	0	0	0	5	0	0	0
Starfish	8	0	0	< 1	0	0	< 1
Soft coral	0	0	0	0	< 1	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	0	2	0	< 1	< 1
Snail	0	0	0	< 1	< 1	0	0
Other invertebrate	< 1	< 1	< 1	30	< 1	2	< 1
Total catch (kg)	537	527	183	660	250	251	539

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	164	165	166	167	168	169	170
Start date and time	06/29/05 09	06/29/05 12	06/29/05 16	06/29/05 18	06/30/05 06	06/30/05 08	06/30/05 10
Start latitude	N 5754.08	N 5744.14	N 5757.06	N 5754.75	N 5819.87	N 5821.77	N 5818.63
Start longitude	W 14917.04	W 14936.40	W 14953.86	W 15002.00	W 14923.100	W 14931.61	W 14928.09
End latitude	N 5754.07	N 5744.03	N 5757.09	N 5755.55	N 5819.59	N 5821.00	N 5818.22
End longitude	W 14915.59	W 14937.88	W 14955.31	W 15002.05	W 14925.39	W 14931.29	W 14926.83
Bottom depth (m)	533	515	260	252	166	161	152
Duration (minutes)	16.2	16.2	15.6	16.2	15.6	16.2	15.6
Distance fished (km)	1.45	1.521	1.454	1.502	1.473	1.484	1.473
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	2	0	0	0	0
Walleye pollock	0	0	6	8	7	2	2
Pacific ocean perch	0	0	9	5	26	20	3
Northern rockfish	0	0	0	< 1	3	6	< 1
Shortraker rockfish	2	0	3	0	0	0	0
Rougheye rockfish	0	0	0	0	56	5	0
Shortspine thornyhead	73	72	22	55	4	< 1	0
Dusky rockfish	0	0	0	0	2	38	0
Other rockfish	0	0	0	0	1	< 1	0
Sablefish	64	134	25	93	0	12	0
Arrowtooth flounder	0	0	49	21	79	171	101
Pacific halibut	0	0	0	4	0	40	8
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	0	7	5	18	31	28
Rex sole	4	< 1	66	18	2	15	11
Dover sole	15	< 1	10	7	0	38	13
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	1
Skate unident.	0	0	< 1	0	9	4	13
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	8	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	0	0
Smelts	0	0	52	13	23	2	< 1
Giant grenadier	859	1606	0	0	0	0	0
Other fish	13	3	< 1	0	< 1	1	0
Bairdi Tanner crab	0	0	0	0	< 1	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	0	0	0
Sidestripe shrimp	0	0	< 1	0	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	< 1	0	0	0	0	0	0
Sponge	0	0	0	0	0	0	0
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	< 1	0	0	0	< 1	0
Other invertebrate	< 1	< 1	< 1	< 1	< 1	2	3
Total catch (kg)	1032	1817	252	238	231	389	184

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	171	172	173	174	175	176	177
Start date and time	06/30/05 11	06/30/05 14	06/30/05 15	07/01/05 06	07/01/05 08	07/01/05 09	07/01/05 11
Start latitude	N 5816.56	N 5804.34	N 5804.02	N 5812.56	N 5812.43	N 5811.45	N 5815.27
Start longitude	W 14927.07	W 14936.74	W 14949.61	W 14915.29	W 14910.88	W 14906.29	W 14854.85
End latitude	N 5816.19	N 5804.17	N 5803.37	N 5812.75	N 5812.64	N 5812.24	N 5815.98
End longitude	W 14925.76	W 14935.29	W 14950.42	W 14914.14	W 14909.73	W 14906.62	W 14854.26
Bottom depth (m)	126	233	265	117	121	135	130
Duration (minutes)	15.6	15.6	15.6	13.2	13.8	16.2	15.6
Distance fished (km)	1.473	1.49	1.478	1.199	1.214	1.531	1.462
Performance	0	0	0	-4.1	1.2	0	1.11
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	57	0	0	< 1	< 1	11	6
Walleye pollock	0	41	30	< 1	< 1	1	< 1
Pacific ocean perch	0	21	4	0	0	0	3
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	3	0	0	0	0
Rougheye rockfish	0	< 1	5	0	< 1	0	0
Shortspine thornyhead	0	0	26	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	3
Other rockfish	0	< 1	0	0	0	0	0
Sablefish	0	27	436	0	0	0	0
Arrowtooth flounder	1977	54	111	15	13	191	53
Pacific halibut	40	0	7	12	37	37	5
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	2	3	3	0
Flathead sole	4	10	1	< 1	0	0	0
Rex sole	2	17	29	0	0	24	< 1
Dover sole	4	3	6	0	0	< 1	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	26	0	0	0	0	0	0
Skate unident.	29	0	6	0	0	16	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	17	0	6	0	0	5	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	0	0
Smelts	< 1	5	20	< 1	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	0	< 1	< 1	< 1	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	< 1	0	0	0	0	0
Sidestripe shrimp	0	< 1	< 1	0	0	0	0
Scallop unident.	< 1	0	0	< 1	0	0	0
Magistrate armhook squid	0	< 1	< 1	0	0	0	0
Sponge	0	0	< 1	0	< 1	< 1	< 1
Starfish	< 1	0	< 1	0	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	0	0	< 1	0	< 1	< 1	0
Other invertebrate	< 1	< 1	4	2	3	6	< 1
Total catch (kg)	2156	180	695	33	58	295	72

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	178	179	180	181	182	183	184
Start date and time	07/01/05 12	07/01/05 14	07/01/05 18	07/01/05 20	07/02/05 07	07/02/05 09	07/02/05 12
Start latitude	N 5817.57	N 5819.99	N 5829.62	N 5835.30	N 5905.25	N 5919.14	N 5929.21
Start longitude	W 14852.46	W 14859.00	W 14844.25	W 14836.27	W 14821.88	W 14803.59	W 14732.33
End latitude	N 5818.25	N 5820.35	N 5829.61	N 5835.88	N 5905.74	N 5919.78	N 5930.04
End longitude	W 14851.73	W 14900.30	W 14845.01	W 14837.31	W 14823.03	W 14802.86	W 14732.57
Bottom depth (m)	133	128	116	154	160	194	116
Duration (minutes)	15.6	16.2	10.8	16.2	15.6	15	16.8
Distance fished (km)	1.487	1.47	0.773	1.525	1.457	1.414	1.583
Performance	1.11	0	1.2	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	7	30	0	30	30	0	0
Walleye pollock	< 1	0	0	< 1	2	20	< 1
Pacific ocean perch	< 1	0	0	2099	13	3	0
Northern rockfish	0	0	19	965	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	0	18	< 1
Shortspine thornyhead	0	0	0	0	0	13	< 1
Dusky rockfish	0	0	2239	288	0	1	0
Other rockfish	0	0	28	7	1	< 1	0
Sablefish	0	0	0	32	7	6	0
Arrowtooth flounder	79	156	< 1	59	222	25	132
Pacific halibut	34	29	34	4	17	0	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	18	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	< 1	0	0	23	15	< 1	0
Dover sole	0	< 1	0	2	1	< 1	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	< 1	0
Salmon	0	0	0	0	0	0	2
Skate unident.	16	16	0	0	28	0	0
Shark unident.	0	0	0	0	4	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	0	0
Smelts	0	0	0	0	0	7	2
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	< 1	13	0	< 1	< 1	< 1
Bairdi Tanner crab	0	0	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	0	0	0	0	< 1	0
Sidestripe shrimp	0	0	0	0	0	3	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	< 1	0	0	0	0	4	< 1
Starfish	< 1	< 1	0	0	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	0	0	0	0	0
Other invertebrate	< 1	6	0	0	34	< 1	< 1
Total catch (kg)	138	256	2334	3508	375	102	136

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	185	186	187	188	189	190	191
Start date and time	07/02/05 14	07/02/05 16	07/03/05 06	07/03/05 08	07/03/05 12	07/03/05 14	07/03/05 17
Start latitude	N 5936.97	N 5938.81	N 5934.75	N 5935.02	N 5951.45	N 5954.76	N 5938.27
Start longitude	W 14717.29	W 14657.98	W 14511.80	W 14450.15	W 14419.31	W 14400.34	W 14349.82
End latitude	N 5937.69	N 5938.11	N 5934.14	N 5934.25	N 5951.78	N 5954.92	N 5937.94
End longitude	W 14716.63	W 14657.43	W 14512.85	W 14450.29	W 14417.89	W 14358.82	W 14348.52
Bottom depth (m)	159	191	117	200	56	61	150
Duration (minutes)	15.6	15	16.2	15.6	16.8	15.6	15
Distance fished (km)	1.497	1.436	1.54	1.436	1.483	1.469	1.402
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	0	0	< 1	7	0
Walleye pollock	1	7	< 1	6	< 1	< 1	< 1
Pacific ocean perch	2	1	< 1	23	< 1	0	13
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	< 1	7	< 1	1	0	0	0
Shortspine thornyhead	3	4	< 1	5	0	0	0
Dusky rockfish	0	0	0	0	0	0	1
Other rockfish	0	0	0	< 1	0	0	3
Sablefish	0	0	< 1	0	< 1	0	< 1
Arrowtooth flounder	206	6	39	26	7	21	12
Pacific halibut	0	0	0	0	50	4	17
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	19	0	0	0	< 1	< 1	0
Rex sole	2	0	< 1	0	< 1	2	2
Dover sole	27	< 1	0	0	0	6	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	15	7	0
Salmon	6	0	0	0	2	3	0
Skate unident.	16	4	0	0	0	5	9
Shark unident.	0	0	0	2	0	10	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	< 1	0	0	0	< 1
Smelts	9	3	1	1	< 1	4	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	6	6	< 1	1	6	17	5
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	0	0	0	< 1	0	0	0
Sidestripe shrimp	< 1	1	0	< 1	0	0	0
Scallop unident.	0	0	< 1	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	< 1	0	0	< 1	0	0	35
Starfish	< 1	< 1	< 1	< 1	0	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	0	0	0	< 1
Snail	0	0	0	0	0	0	< 1
Other invertebrate	< 1	< 1	< 1	< 1	0	0	< 1
Total catch (kg)	297	41	43	68	83	88	98

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	192	193	194	195	196	197	198
Start date and time	07/03/05 19	07/04/05 09	07/04/05 12	07/04/05 16	07/04/05 19	07/05/05 06	07/05/05 07
Start latitude	N 5938.69	N 5929.06	N 5931.60	N 5925.88	N 5913.79	N 5847.13	N 5848.52
Start longitude	W 14337.70	W 14303.58	W 14247.26	W 14205.87	W 14131.67	W 14055.28	W 14056.35
End latitude	N 5939.07	N 5928.93	N 5931.54	N 5925.45	N 5913.83	N 5846.83	N 5849.29
End longitude	W 14336.38	W 14305.56	W 14248.88	W 14204.61	W 14130.13	W 14055.07	W 14056.72
Bottom depth (m)	140	825	783	195	323	308	339
Duration (minutes)	15.6	21.6	17.4	15.6	15.6	7.2	15.6
Distance fished (km)	1.447	1.918	1.558	1.464	1.486	0.618	1.505
Performance	-2.4	0	0	0	0	-1.2	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	0	0	0	0	0
Walleye pollock	< 1	0	0	31	7	1	36
Pacific ocean perch	3	0	0	66	5	103	219
Northern rockfish	4	0	0	< 1	0	0	< 1
Shortraker rockfish	0	0	0	0	19	29	47
Rougheye rockfish	0	0	0	2	< 1	< 1	21
Shortspine thornyhead	0	26	38	0	28	55	103
Dusky rockfish	8	0	0	5	1	0	0
Other rockfish	9	0	0	18	0	1	9
Sablefish	0	104	186	7	40	0	2
Arrowtooth flounder	27	0	0	28	7	26	78
Pacific halibut	8	0	0	42	23	0	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	0	0	< 1	0	0	0
Rex sole	0	0	0	5	11	1	5
Dover sole	0	0	0	5	48	15	51
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	4	0	< 1	< 1
Salmon	0	0	0	0	0	0	0
Skate unident.	11	0	0	26	34	0	0
Shark unident.	0	0	0	2	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	< 1	< 1
Smelts	0	0	0	< 1	< 1	0	0
Giant grenadier	0	171	410	0	0	0	0
Other fish	7	37	31	10	< 1	0	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	< 1	< 1
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	0	< 1	0	2
Sponge	5	0	0	< 1	0	< 1	0
Starfish	0	0	0	< 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	0	0	0	< 1
Snail	0	0	0	0	0	0	< 1
Other invertebrate	< 1	3	3	2	13	< 1	< 1
Total catch (kg)	82	340	669	256	239	234	575

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	199	200	201	202	203	204	205
Start date and time	07/05/05 10	07/05/05 14	07/05/05 16	07/05/05 18	07/06/05 06	07/06/05 09	07/06/05 11
Start latitude	N 5847.03	N 5852.37	N 5846.84	N 5835.63	N 5835.48	N 5833.32	N 5832.83
Start longitude	W 14055.31	W 13957.05	W 13956.56	W 14001.04	W 13938.45	W 13943.43	W 13940.15
End latitude	N 5846.32	N 5852.06	N 5846.26	N 5836.15	N 5834.80	N 5832.56	N 5832.07
End longitude	W 14054.77	W 13955.66	W 13955.58	W 14002.18	W 13939.16	W 13943.45	W 13939.92
Bottom depth (m)	317	167	179	214	235	206	259
Duration (minutes)	15	15.6	15.6	15.6	15.6	15.6	15.6
Distance fished (km)	1.457	1.48	1.463	1.486	1.474	1.422	1.435
Performance	0	1.11	1.11	0	1.11	1.11	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	0	0	0	0	0
Walleye pollock	37	< 1	< 1	2	29	5	91
Pacific ocean perch	1121	2	8	239	5	1204	101
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	128	0	0	0	0	0	6
Rougheye rockfish	9	2	< 1	0	6	4	< 1
Shortspine thornyhead	62	< 1	0	0	15	< 1	23
Dusky rockfish	0	0	2	0	0	38	0
Other rockfish	8	< 1	< 1	21	8	148	4
Sablefish	0	0	0	34	11	21	36
Arrowtooth flounder	45	17	53	27	76	37	87
Pacific halibut	31	11	25	21	0	15	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	< 1
Rex sole	2	0	3	9	15	5	11
Dover sole	14	0	4	6	50	15	34
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	< 1	0	< 1	2	< 1	1	< 1
Salmon	0	0	0	0	0	0	0
Skate unident.	0	0	0	21	0	4	12
Shark unident.	0	2	0	0	4	3	7
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	0	0	< 1	0	0	0
Smelts	0	3	3	0	103	7	51
Giant grenadier	0	0	0	0	0	0	0
Other fish	2	< 1	< 1	0	16	14	12
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	0	0	0	0	0	0	0
Sidestripe shrimp	< 1	0	0	0	< 1	0	< 1
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	< 1	0	0	0	0	0	0
Sponge	1	< 1	0	0	< 1	1	0
Starfish	0	< 1	0	< 1	< 1	0	< 1
Soft coral	0	0	0	0	31	22	6
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	< 1	0	0	0	0	0	0
Other invertebrate	< 1	< 1	< 1	< 1	4	< 1	5
Total catch (kg)	1462	40	99	381	373	1544	488

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	206	207	208	209	210	211	212
Start date and time	07/06/05 14	07/06/05 16	07/06/05 18	07/07/05 06	07/07/05 08	07/07/05 12	07/08/05 06
Start latitude	N 5830.64	N 5832.31	N 5821.44	N 5832.19	N 5820.83	N 5808.79	N 5744.42
Start longitude	W 13939.73	W 13936.26	W 13922.21	W 13914.48	W 13915.63	W 13838.60	W 13625.49
End latitude	N 5829.92	N 5832.03	N 5820.89	N 5831.64	N 5821.53	N 5809.22	N 5745.04
End longitude	W 13939.28	W 13934.87	W 13921.11	W 13915.53	W 13916.35	W 13837.31	W 13626.45
Bottom depth (m)	262	261	233	143	196	175	85
Duration (minutes)	15.6	16.2	16.2	15.6	16.2	16.2	16.2
Distance fished (km)	1.438	1.47	1.502	1.465	1.509	1.514	1.536
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	0	0	0	0	0
Walleye pollock	7	17	10	0	0	2	0
Pacific ocean perch	251	130	1850	0	< 1	16	0
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	5	6	0	0	0	0	0
Rougheye rockfish	< 1	0	0	0	0	0	0
Shortspine thornyhead	21	23	2	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	2	7	18	0	0	28	0
Sablefish	29	21	15	0	16	< 1	0
Arrowtooth flounder	189	85	17	12	51	94	0
Pacific halibut	14	0	0	62	42	67	73
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	16
Flathead sole	0	1	< 1	0	0	0	0
Rex sole	5	7	< 1	0	< 1	5	< 1
Dover sole	28	45	5	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	1	2	< 1	0	1	< 1	3
Salmon	0	0	0	0	0	0	0
Skate unident.	24	7	0	0	0	9	0
Shark unident.	1	2	4	7	39	2	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	< 1	0	0	< 1	0
Smelts	4	5	< 1	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	5	7	5	12	3	0	81
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	< 1	< 1	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	< 1	0	0	0	0	0
Sponge	0	0	0	0	0	0	0
Starfish	< 1	< 1	0	0	0	< 1	0
Soft coral	< 1	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	< 1	0	0	0	0	0
Other invertebrate	< 1	2	< 1	< 1	< 1	2	1
Total catch (kg)	589	366	1928	93	154	226	174

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	213	214	215	216	217	218	219
Start date and time	07/08/05 07	07/08/05 09	07/09/05 06	07/09/05 08	07/10/05 06	07/10/05 09	07/10/05 11
Start latitude	N 5738.93	N 5730.53	N 5640.88	N 5640.37	N 5705.19	N 5701.74	N 5655.63
Start longitude	W 13623.53	W 13617.49	W 13539.91	W 13542.26	W 13531.83	W 13524.84	W 13542.17
End latitude	N 5738.22	N 5729.84	N 5640.010	N 5639.65	N 5704.40	N 5701.97	N 5655.37
End longitude	W 13622.88	W 13616.73	W 13539.77	W 13541.64	W 13531.89	W 13526.03	W 13543.54
Bottom depth (m)	113	121	163	173	53	83	133
Duration (minutes)	16.2	16.2	15.6	16.2	16.2	13.8	15.6
Distance fished (km)	1.522	1.512	1.474	1.515	1.475	1.292	1.5
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	25	8	1	16	3
Walleye pollock	0	0	38	21	0	14	19
Pacific ocean perch	0	0	18	29	0	< 1	0
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
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	4	1	0	< 1	0
Sablefish	0	0	3	5	0	3	7
Arrowtooth flounder	< 1	7	215	149	2	13	572
Pacific halibut	210	69	6	1	14	0	8
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	1	5	0	0	50	< 1	0
Flathead sole	0	0	0	0	0	5	< 1
Rex sole	< 1	11	69	105	< 1	64	40
Dover sole	0	0	2	2	< 1	13	7
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	31	8	4	3	26	109	3
Salmon	0	3	0	0	0	0	0
Skate unident.	0	0	0	0	0	0	0
Shark unident.	3	0	1	7	0	0	6
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	0	0
Smelts	0	0	0	0	0	< 1	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	85	32	2	10	1266	56	3
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	0	0	0	0	0	0	0
Sponge	0	0	0	0	0	0	0
Starfish	0	0	0	0	6	< 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	0	0
Snail	0	0	0	0	0	0	0
Other invertebrate	3	< 1	32	44	12	18	12
Total catch (kg)	334	137	418	387	1378	314	681

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	220	221	222	223	224	225	226
Start date and time	07/10/05 12	07/10/05 19	07/11/05 06	07/11/05 09	07/11/05 11	07/11/05 13	07/11/05 16
Start latitude	N 5651.61	N 5625.49	N 5539.41	N 5544.80	N 5544.54	N 5545.91	N 5553.99
Start longitude	W 13549.53	W 13533.60	W 13519.52	W 13523.21	W 13523.33	W 13517.18	W 13525.91
End latitude	N 5651.08	N 5626.12	N 5538.86	N 5544.78	N 5544.26	N 5546.78	N 5554.55
End longitude	W 13548.47	W 13534.26	W 13518.59	W 13524.56	W 13524.58	W 13517.42	W 13526.93
Bottom depth (m)	155	191	680	712	677	731	593
Duration (minutes)	15.6	15	15.6	15.6	15.6	17.4	16.2
Distance fished (km)	1.483	1.4	1.443	1.429	1.428	1.657	1.518
Performance	0	0	0	0	0	6.1	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	0	0	0	0	0
Walleye pollock	14	6	0	0	0	0	0
Pacific ocean perch	31	228	0	0	0	2	0
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	1	0	0	4
Shortspine thornyhead	0	3	11	11	12	7	69
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	2	135	0	0	0	0	0
Sablefish	1	0	63	93	34	183	74
Arrowtooth flounder	46	22	0	0	0	0	4
Pacific halibut	5	2	0	0	0	0	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	27	0	0	0	0	< 1	1
Dover sole	< 1	5	2	0	2	3	15
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	< 1	< 1	0	< 1	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	0	0	< 1	1	0	0
Shark unident.	4	0	0	0	0	0	< 1
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	2	0	0	0	0	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	28	31	14	22	174
Other fish	16	< 1	28	32	33	113	24
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	0	0	0	0	0	0	1
Sponge	0	5	0	0	0	0	< 1
Starfish	0	0	0	< 1	< 1	0	< 1
Soft coral	0	0	< 1	5	0	0	< 1
Stony coral unident.	0	0	< 1	0	0	0	< 1
Octopus	0	0	0	2	0	0	< 1
Snail	0	0	0	< 1	< 1	0	0
Other invertebrate	6	6	3	6	10	3	4
Total catch (kg)	152	415	136	181	106	333	371

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	227	228	229	230	231	232	233
Start date and time	07/11/05 18	07/12/05 06	07/12/05 08	07/12/05 10	07/12/05 12	07/12/05 12	07/12/05 14
Start latitude	N 5558.81	N 5534.45	N 5535.30	N 5531.15	N 5528.99	N 5528.100	N 5529.12
Start longitude	W 13511.37	W 13456.06	W 13451.37	W 13451.36	W 13450.70	W 13451.14	W 13443.95
End latitude	N 5558.86	N 5534.53	N 5535.42	N 5531.95	N 5528.98	N 5528.96	N 5528.46
End longitude	W 13512.74	W 13457.41	W 13452.65	W 13451.26	W 13450.66	W 13452.49	W 13444.62
Bottom depth (m)	285	245	230	293	294	294	271
Duration (minutes)	15.6	15.6	15.6	16.2	0.6	16.2	15.6
Distance fished (km)	1.452	1.448	1.394	1.509	0.044	1.449	1.438
Performance	0	0	1.2	0	-1.2	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	8	37	0	0	0	5
Walleye pollock	0	19	2	17	0	8	7
Pacific ocean perch	77	57	11	107	2	520	90
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	8	0	0	0	0	0	0
Rougheye rockfish	17	0	0	0	0	2	0
Shortspine thornyhead	57	14	10	18	< 1	13	3
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	13	15	48	2	7	20	29
Sablefish	10	0	25	15	0	2	2
Arrowtooth flounder	74	20	12	22	0	16	8
Pacific halibut	0	0	38	0	0	0	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	5	12	1	24	< 1	23	16
Dover sole	7	18	4	52	0	46	12
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	< 1	< 1	0	0	< 1	4
Salmon	0	0	0	0	0	0	0
Skate unident.	0	0	0	0	0	0	7
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	< 1	< 1	< 1	0	< 1	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	2	6	8	76	0	8	205
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	< 1	0	0	< 1
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	< 1	0	5	0
Sponge	0	0	< 1	0	0	< 1	0
Starfish	0	< 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	< 1	< 1	0	0	0	0
Other invertebrate	< 1	3	10	11	1	2	6
Total catch (kg)	269	174	207	345	11	666	393

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	234	235	236	237	238	239	240
Start date and time	07/12/05 16	07/12/05 18	07/13/05 06	07/13/05 08	07/13/05 09	07/13/05 11	07/13/05 13
Start latitude	N 5531.30	N 5535.87	N 5548.19	N 5546.74	N 5548.73	N 5552.71	N 5558.100
Start longitude	W 13439.44	W 13437.92	W 13442.31	W 13451.18	W 13453.92	W 13502.24	W 13458.17
End latitude	N 5531.77	N 5535.84	N 5548.17	N 5547.49	N 5549.16	N 5552.83	N 5559.57
End longitude	W 13438.36	W 13439.27	W 13440.91	W 13451.41	W 13452.77	W 13503.57	W 13458.75
Bottom depth (m)	281	254	191	197	189	221	375
Duration (minutes)	15.6	15.6	16.2	15.6	15.6	15.6	13.2
Distance fished (km)	1.446	1.427	1.484	1.432	1.463	1.428	1.246
Performance	0	0	0	0	0	1.11	1.11
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	3	23	13	32	12	0
Walleye pollock	18	64	79	57	69	3	0
Pacific ocean perch	95	212	84	68	65	994	13
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	32
Rougheye rockfish	0	0	0	0	0	0	12
Shortspine thornyhead	8	11	0	0	0	15	33
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	6	9	1	8	7	106	2
Sablefish	11	11	8	< 1	3	0	10
Arrowtooth flounder	21	34	42	16	30	23	18
Pacific halibut	0	0	21	0	3	0	27
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	3	41	16	5	1	10	5
Dover sole	10	6	2	< 1	< 1	5	38
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	2	< 1	< 1	0	0	< 1	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	0	0	0	0	0	0
Shark unident.	0	0	8	0	2	2	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	< 1	< 1	< 1	0
Smelts	0	0	< 1	< 1	< 1	< 1	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	67	197	12	3	3	< 1	2
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	< 1	0	< 1	0	0	< 1	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	2	0	0	0	0	0	0
Sponge	0	0	0	3	< 1	< 1	3
Starfish	0	0	< 1	< 1	< 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	0	0
Snail	0	0	0	0	< 1	0	0
Other invertebrate	8	4	15	11	21	< 1	< 1
Total catch (kg)	252	590	313	186	237	1174	197

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	241	242	243	244	245	246	247
Start date and time	07/13/05 15	07/13/05 18	07/14/05 06	07/14/05 08	07/14/05 16	07/19/05 10	07/19/05 11
Start latitude	N 5606.42	N 5614.76	N 5708.39	N 5716.73	N 5753.34	N 5849.22	N 5852.17
Start longitude	W 13509.42	W 13526.29	W 13554.67	W 13558.16	W 13647.55	W 13940.91	W 13940.84
End latitude	N 5605.95	N 5615.20	N 5709.16	N 5717.50	N 5754.13	N 5849.65	N 5852.51
End longitude	W 13508.27	W 13527.45	W 13554.76	W 13558.31	W 13647.52	W 13942.21	W 13942.15
Bottom depth (m)	340	202	88	97	155	164	151
Duration (minutes)	15.6	15.6	15.6	15.6	16.2	15	15.6
Distance fished (km)	1.5	1.466	1.441	1.456	1.476	1.501	1.437
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	30	0	0	2	0	0
Walleye pollock	0	12	0	0	27	0	< 1
Pacific ocean perch	48	146	0	0	< 1	< 1	< 1
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	6	0	0	0	0	0	0
Rougheye rockfish	26	0	0	0	0	1	< 1
Shortspine thornyhead	59	31	0	0	0	< 1	< 1
Dusky rockfish	0	0	0	0	0	15	1
Other rockfish	< 1	236	3	2	< 1	4	0
Sablefish	11	2	0	0	0	0	0
Arrowtooth flounder	134	18	0	0	9	33	28
Pacific halibut	0	5	363	93	55	0	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	55	38	7	0	0
Flathead sole	0	0	0	0	0	< 1	< 1
Rex sole	43	6	< 1	< 1	1	0	0
Dover sole	355	9	< 1	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	< 1	2	1	3	< 1	< 1
Salmon	0	1	0	0	0	0	0
Skate unident.	1	< 1	7	0	0	2	0
Shark unident.	0	0	0	8	13	0	3
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	1	0	0	0	< 1	< 1
Smelts	0	0	0	0	0	2	7
Giant grenadier	0	0	0	0	0	0	0
Other fish	24	1	124	36	21	2	< 1
Bairdi Tanner crab	0	0	0	0	0	< 1	< 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	0	0	< 1	< 1
Sidestripe shrimp	< 1	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	< 1	< 1	0	0	0	1	< 1
Starfish	0	< 1	0	0	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	0	< 1	0	0	0	0	0
Other invertebrate	9	2	3	3	< 1	< 1	< 1
Total catch (kg)	718	501	557	181	138	63	42

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	248	249	250	251	252	253	254
Start date and time	07/19/05 14	07/19/05 19	07/20/05 07	07/20/05 08	07/20/05 11	07/20/05 12	07/20/05 15
Start latitude	N 5840.37	N 5914.42	N 5924.31	N 5925.35	N 5917.93	N 5922.81	N 5930.05
Start longitude	W 13921.64	W 13920.41	W 13945.66	W 13945.62	W 14014.39	W 14029.95	W 14059.65
End latitude	N 5839.87	N 5915.15	N 5924.67	N 5925.78	N 5918.51	N 5922.52	N 5930.28
End longitude	W 13922.69	W 13920.72	W 13946.90	W 13946.86	W 14013.46	W 14028.66	W 14058.25
Bottom depth (m)	251	81	132	114	122	146	292
Duration (minutes)	15	15	14.4	15	15	15	15
Distance fished (km)	1.398	1.422	1.377	1.45	1.426	1.364	1.419
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	0	0	0	0	0
Walleye pollock	5	< 1	1	6	< 1	< 1	4
Pacific ocean perch	6	0	0	0	0	0	< 1
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	38
Rougheye rockfish	15	0	< 1	< 1	< 1	< 1	5
Shortspine thornyhead	66	0	0	0	0	0	34
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	19	0	0	0	0	0	0
Sablefish	245	0	0	< 1	0	2	21
Arrowtooth flounder	846	33	44	13	2	57	25
Pacific halibut	0	0	0	0	27	0	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	4	< 1	< 1	< 1	0	< 1	0
Rex sole	19	1	0	< 1	0	< 1	34
Dover sole	45	< 1	< 1	0	0	0	121
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	1	4	0	0	0	< 1	0
Salmon	0	16	0	0	3	6	0
Skate unident.	0	0	0	0	0	19	14
Shark unident.	0	13	26	15	0	11	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	0	< 1	< 1	0	< 1	0
Smelts	14	< 1	7	6	0	1	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	8	3	1	< 1	3	0	< 1
Bairdi Tanner crab	0	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	0	0	< 1	< 1	0	0	0
Sidestripe shrimp	< 1	0	< 1	0	0	0	< 1
Scallop unident.	0	0	< 1	1	1	0	0
Magistrate armhook squid	0	0	0	0	0	0	< 1
Sponge	0	0	0	0	< 1	0	< 1
Starfish	< 1	< 1	2	3	< 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	0	0	< 1
Other invertebrate	79	< 1	< 1	< 1	2	3	8
Total catch (kg)	1376	72	84	47	40	99	307

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	255	256	257	258	259	260	261
Start date and time	07/20/05 17	07/20/05 20	07/21/05 07	07/21/05 14	07/21/05 17	07/22/05 07	07/22/05 09
Start latitude	N 5925.37	N 5926.60	N 5846.81	N 5842.43	N 5846.07	N 5847.12	N 5846.82
Start longitude	W 14104.36	W 14139.67	W 14026.05	W 14050.50	W 14057.04	W 14058.70	W 14058.51
End latitude	N 5925.78	N 5926.95	N 5846.23	N 5842.13	N 5846.76	N 5846.40	N 5846.26
End longitude	W 14103.07	W 14141.00	W 14025.09	W 14049.42	W 14057.61	W 14058.10	W 14057.97
Bottom depth (m)	288	178	190	509	532	632	627
Duration (minutes)	15	15.6	15	13.2	15.6	15.6	12.6
Distance fished (km)	1.464	1.448	1.442	1.204	1.441	1.485	1.18
Performance	0	0	0	0	-2	-5.1	5.1
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	0	0	0	0	0
Walleye pollock	2	5	9	0	0	0	0
Pacific ocean perch	2	4	29	0	0	0	0
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	19	0	0	37	28	15	3
Rougheye rockfish	34	2	0	2	4	0	0
Shortspine thornyhead	53	1	< 1	68	66	77	52
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	5	0	0	0	0
Sablefish	39	< 1	10	59	77	270	92
Arrowtooth flounder	13	49	61	0	0	0	0
Pacific halibut	0	0	32	0	0	0	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	1	< 1	< 1	0	0	0	0
Rex sole	26	0	14	0	< 1	0	0
Dover sole	72	2	1	14	12	29	24
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	< 1	3	2	< 1	2	2
Salmon	0	0	0	0	0	0	0
Skate unident.	0	1	11	0	8	0	0
Shark unident.	2	74	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	0	< 1	< 1	< 1	0	0
Smelts	0	2	< 1	0	0	0	0
Giant grenadier	0	0	0	204	311	708	236
Other fish	< 1	< 1	2	< 1	2	18	9
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	< 1	< 1	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	1	2	1	< 1
Sponge	0	0	1	< 1	1	< 1	2
Starfish	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Soft coral	0	0	0	0	< 1	< 1	< 1
Stony coral unident.	0	0	0	0	0	3	2
Octopus	0	0	0	0	< 1	2	0
Snail	0	0	< 1	0	< 1	< 1	< 1
Other invertebrate	2	< 1	15	3	5	3	< 1
Total catch (kg)	265	142	194	393	519	1130	424

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	262	263	264	265	266	267	268
Start date and time	07/22/05 11	07/22/05 16	07/22/05 18	07/22/05 19	07/23/05 07	07/23/05 09	07/23/05 11
Start latitude	N 5846.29	N 5901.34	N 5900.73	N 5901.15	N 5940.11	N 5941.66	N 5948.86
Start longitude	W 14057.27	W 14114.97	W 14104.72	W 14110.27	W 14254.07	W 14253.17	W 14249.88
End latitude	N 5847.06	N 5901.55	N 5901.35	N 5901.41	N 5940.45	N 5941.21	N 5948.43
End longitude	W 14057.72	W 14113.71	W 14105.77	W 14111.76	W 14252.78	W 14254.36	W 14251.20
Bottom depth (m)	514	399	217	314	241	215	189
Duration (minutes)	15.6	14.4	16.8	16.2	14.4	15	15.6
Distance fished (km)	1.528	1.283	1.564	1.53	1.394	1.426	1.498
Performance	0	6.1	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	0	0	0	0	0
Walleye pollock	0	0	7	3	26	9	5
Pacific ocean perch	0	31	6	411	58	25	15
Northern rockfish	0	0	< 1	0	0	0	0
Shortraker rockfish	38	134	0	20	0	0	0
Rougheye rockfish	4	50	0	0	< 1	3	5
Shortspine thornyhead	92	91	2	54	19	11	15
Dusky rockfish	0	0	0	0	0	0	1
Other rockfish	0	< 1	72	4	2	2	0
Sablefish	62	0	5	0	< 1	1	0
Arrowtooth flounder	0	15	40	12	11	8	14
Pacific halibut	0	22	119	10	5	0	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	< 1	< 1	0
Rex sole	0	4	7	6	< 1	< 1	0
Dover sole	5	15	3	8	57	42	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	3	0	1	< 1	< 1	0	< 1
Salmon	0	0	0	0	0	0	0
Skate unident.	1	0	11	1	4	0	22
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	3	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	< 1	< 1	0	0	0
Smelts	0	0	0	0	1	< 1	7
Giant grenadier	594	0	0	0	0	0	0
Other fish	4	13	< 1	23	< 1	< 1	5
Bairdi Tanner crab	0	0	0	0	0	0	< 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	0	0	0	0
Sidestripe shrimp	0	0	0	< 1	1	< 1	< 1
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	4	2	0	3	< 1	0	0
Sponge	1	< 1	7	< 1	0	0	< 1
Starfish	< 1	< 1	< 1	< 1	< 1	< 1	2
Soft coral	< 1	0	0	0	0	0	0
Stony coral unident.	0	0	0	< 1	0	0	0
Octopus	< 1	< 1	< 1	0	0	0	0
Snail	< 1	< 1	< 1	0	< 1	0	< 1
Other invertebrate	6	3	2	< 1	3	7	3
Total catch (kg)	814	382	284	557	194	110	95

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	269	270	271	272	273	274	275
Start date and time	07/23/05 13	07/23/05 15	07/23/05 18	07/24/05 06	07/24/05 10	07/24/05 13	07/24/05 16
Start latitude	N 5959.41	N 6000.11	N 6001.22	N 5949.79	N 5937.11	N 5932.43	N 5930.25
Start longitude	W 14244.83	W 14215.01	W 14258.48	W 14347.10	W 14413.58	W 14449.38	W 14519.65
End latitude	N 5959.40	N 6000.07	N 6001.04	N 5950.60	N 5936.98	N 5933.21	N 5930.010
End longitude	W 14243.30	W 14216.57	W 14256.92	W 14347.08	W 14414.95	W 14449.45	W 14518.19
Bottom depth (m)	92	51	100	145	384	234	136
Duration (minutes)	15.6	16.2	15.6	15.6	13.8	15.6	15.6
Distance fished (km)	1.428	1.465	1.51	1.497	1.328	1.446	1.43
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	2	0	0	0	0	0
Walleye pollock	4	11	15	1	4	4	1
Pacific ocean perch	0	0	0	< 1	1	27	1
Northern rockfish	< 1	0	0	0	0	< 1	0
Shortraker rockfish	0	0	0	0	294	6	0
Rougheye rockfish	0	0	0	< 1	9	4	0
Shortspine thornyhead	0	0	0	0	64	29	0
Dusky rockfish	12	0	1	1	2	0	5
Other rockfish	0	0	0	< 1	0	2	5
Sablefish	0	6	2	2	74	3	0
Arrowtooth flounder	41	12	104	1577	35	39	150
Pacific halibut	3	0	0	0	0	0	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	4	1	9	83	0	0	< 1
Rex sole	1	7	3	9	0	< 1	13
Dover sole	0	3	6	22	1	6	4
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	12	< 1	0	0	0	0
Salmon	0	3	0	0	0	0	0
Skate unident.	0	0	2	34	8	7	< 1
Shark unident.	29	11	14	11	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	< 1	0
Smelts	2	4	8	7	0	0	2
Giant grenadier	0	0	0	0	137	0	0
Other fish	24	9	< 1	24	2	< 1	19
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	0	0	0	0	1	0
Sidestripe shrimp	0	0	0	0	0	< 1	0
Scallop unident.	0	0	0	< 1	0	0	0
Magistrate armhook squid	0	0	0	0	1	0	0
Sponge	0	0	0	0	< 1	< 1	5
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	0	0	0	< 1	0	0
Snail	0	0	< 1	0	2	0	0
Other invertebrate	4	9	5	0	20	9	< 1
Total catch (kg)	125	90	171	1774	653	140	207

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	276	277	278	279	280	281	282
Start date and time	07/24/05 19	07/25/05 06	07/25/05 12	07/28/05 07	07/28/05 10	07/28/05 16	07/28/05 18
Start latitude	N 5928.30	N 6012.52	N 5957.77	N 5941.51	N 5951.26	N 5911.76	N 5913.18
Start longitude	W 14526.98	W 14551.54	W 14641.59	W 14851.41	W 14832.02	W 14746.57	W 14731.92
End latitude	N 5927.75	N 6012.94	N 5958.20	N 5941.33	N 5952.00	N 5912.43	N 5913.13
End longitude	W 14527.70	W 14552.79	W 14642.90	W 14849.91	W 14831.84	W 14747.47	W 14733.34
Bottom depth (m)	206	116	78	180	134	205	193
Duration (minutes)	13.2	15.6	15	15.6	15	16.2	15
Distance fished (km)	1.263	1.409	1.483	1.479	1.407	1.538	1.377
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	2	11	0	0	0	42
Walleye pollock	13	37	< 1	25	4	3	1
Pacific ocean perch	25	0	0	< 1	0	75	1707
Northern rockfish	1	0	0	0	0	< 1	19
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	< 1	0	14	7	3	0
Shortspine thornyhead	22	0	0	< 1	0	2	0
Dusky rockfish	5	0	0	< 1	0	3	11
Other rockfish	17	0	0	0	0	1	200
Sablefish	5	4	0	1	0	0	0
Arrowtooth flounder	23	88	37	95	195	19	15
Pacific halibut	31	0	340	0	0	0	35
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	9	0	0	0	0
Flathead sole	0	27	0	1	14	< 1	0
Rex sole	0	8	0	< 1	< 1	1	2
Dover sole	< 1	28	0	0	2	3	16
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	< 1	0
Salmon	0	0	42	0	0	0	0
Skate unident.	10	< 1	10	50	0	4	53
Shark unident.	0	17	16	6	7	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	< 1	< 1	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	0	0	< 1	< 1	0	< 1
Smelts	7	8	< 1	7	11	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	7	< 1	20	< 1	< 1	< 1	18
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	0	< 1	0	2	1	0	0
Sidestripe shrimp	0	< 1	0	2	< 1	< 1	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	< 1	0
Sponge	3	0	< 1	0	0	0	2
Starfish	2	< 1	< 1	2	< 1	0	1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	< 1
Octopus	0	0	0	< 1	0	0	0
Snail	0	< 1	< 1	< 1	0	< 1	0
Other invertebrate	3	< 1	3	13	< 1	5	2
Total catch (kg)	175	220	488	222	243	121	2123

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	283	284	285	286	287	288	289
Start date and time	07/29/05 06	07/29/05 09	07/29/05 11	07/29/05 13	07/29/05 20	07/30/05 06	07/30/05 12
Start latitude	N 5837.88	N 5830.97	N 5822.94	N 5815.29	N 5757.11	N 5823.79	N 5810.50
Start longitude	W 14949.50	W 15034.89	W 15102.75	W 15124.85	W 15207.36	W 15200.54	W 15116.21
End latitude	N 5837.93	N 5831.07	N 5823.68	N 5814.56	N 5756.56	N 5823.11	N 5811.17
End longitude	W 14951.01	W 15033.44	W 15103.37	W 15125.18	W 15208.35	W 15201.17	W 15116.96
Bottom depth (m)	134	111	72	157	159	112	146
Duration (minutes)	15.6	15	15.6	15.6	15	15.6	15
Distance fished (km)	1.468	1.432	1.54	1.41	1.433	1.433	1.471
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	40	0	22	3	5	51	35
Walleye pollock	0	0	0	1	10	0	836
Pacific ocean perch	1214	0	0	0	0	0	< 1
Northern rockfish	25	0	0	0	< 1	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	0	0	2
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	106	0	0	0	0	2	4
Other rockfish	0	12	0	0	0	0	0
Sablefish	3	0	0	11	31	0	72
Arrowtooth flounder	82	< 1	0	179	844	554	1075
Pacific halibut	17	1792	131	3	14	41	38
Northern rock sole	0	< 1	< 1	0	< 1	61	0
Southern rock sole	0	58	67	0	0	7	< 1
Flathead sole	13	0	0	0	361	3	24
Rex sole	19	0	0	21	3	2	62
Dover sole	50	0	0	4	18	< 1	36
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	1	0
Salmon	0	0	0	0	4	0	4
Skate unident.	11	21	29	0	15	19	17
Shark unident.	0	0	6	0	5	25	0
Yellow Irish lord	0	0	0	0	0	6	0
Bigmouth sculpin	0	0	0	0	0	0	8
Great sculpin	0	0	0	0	0	< 1	0
Other sculpins	0	0	0	< 1	< 1	< 1	0
Smelts	1	0	< 1	0	< 1	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	44	< 1	< 1	0	0	0
Bairdi Tanner crab	< 1	0	0	0	< 1	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	< 1	< 1	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	< 1	< 1	0	0	1	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	< 1	< 1	< 1	< 1	0	< 1	0
Starfish	< 1	< 1	2	< 1	< 1	0	< 1
Soft coral	0	< 1	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	< 1	0	< 1	0
Other invertebrate	2	6	< 1	1	< 1	5	2
Total catch (kg)	1583	1935	258	223	1314	779	2217

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	290	291	292	293	294	295	296
Start date and time	07/30/05 16	07/30/05 18	07/30/05 21	07/31/05 06	07/31/05 12	07/31/05 14	07/31/05 16
Start latitude	N 5754.06	N 5757.87	N 5802.19	N 5910.93	N 5852.68	N 5845.35	N 5840.97
Start longitude	W 15031.55	W 15004.93	W 14930.13	W 15015.21	W 14857.75	W 14934.46	W 14929.98
End latitude	N 5754.52	N 5758.43	N 5802.11	N 5911.72	N 5853.36	N 5845.22	N 5840.90
End longitude	W 15032.68	W 15005.02	W 14928.73	W 15015.98	W 14858.48	W 14935.97	W 14928.49
Bottom depth (m)	129	237	198	146	274	195	142
Duration (minutes)	15.6	11.4	15.6	18	15.6	15.6	15.6
Distance fished (km)	1.425	1.057	1.4	1.669	1.466	1.495	1.471
Performance	0	0	0	0	0	0	0
Atka mackerel	1	0	0	0	0	0	0
Pacific cod	4	0	8	38	0	0	9
Walleye pollock	0	12	28	< 1	361	11	< 1
Pacific ocean perch	0	7	51	52	< 1	305	1886
Northern rockfish	0	< 1	2	0	0	1	93
Shortraker rockfish	0	0	0	0	6	0	0
Rougheye rockfish	0	0	0	0	14	22	0
Shortspine thornyhead	0	31	0	0	36	29	0
Dusky rockfish	0	0	29	0	0	0	211
Other rockfish	0	0	0	< 1	0	0	10
Sablefish	0	5	36	2	27	31	10
Arrowtooth flounder	397	85	110	910	104	81	45
Pacific halibut	0	30	25	10	0	8	3
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	< 1	0	0	0	0	0	0
Flathead sole	47	21	9	14	0	9	12
Rex sole	28	10	78	15	2	2	33
Dover sole	11	10	21	3	14	16	10
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	< 1	0
Salmon	5	0	0	0	0	0	0
Skate unident.	0	0	4	11	7	13	< 1
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	11	6	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	0	0	0	0	0	0
Smelts	0	1	0	0	3	19	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	0	0	< 1	0	< 1	40
Bairdi Tanner crab	0	0	0	< 1	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	< 1	0
Sidestripe shrimp	0	< 1	0	0	< 1	< 1	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	0	0	0	9	< 1	0	0
Starfish	< 1	0	0	< 1	< 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	0	0
Snail	< 1	0	0	< 1	0	0	0
Other invertebrate	2	< 1	< 1	9	12	4	< 1
Total catch (kg)	498	223	407	1074	588	553	2363

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	297	298	299	300	301	302	303
Start date and time	07/31/05 18	07/31/05 19	07/31/05 21	08/01/05 07	08/01/05 13	08/01/05 15	08/01/05 17
Start latitude	N 5833.16	N 5832.73	N 5831.27	N 5731.72	N 5731.92	N 5715.42	N 5710.03
Start longitude	W 14946.72	W 14929.64	W 14857.71	W 15050.05	W 15203.40	W 15213.84	W 15200.93
End latitude	N 5832.60	N 5832.76	N 5831.14	N 5732.37	N 5731.45	N 5715.80	N 5710.79
End longitude	W 14945.73	W 14931.06	W 14856.26	W 15049.37	W 15204.52	W 15212.59	W 15201.39
Bottom depth (m)	133	121	112	90	73	80	79
Duration (minutes)	15.6	15	15	15	15	15	16.2
Distance fished (km)	1.446	1.396	1.453	1.422	1.45	1.458	1.518
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	12	9	0	< 1	< 1	26	3
Walleye pollock	< 1	0	2	< 1	0	< 1	0
Pacific ocean perch	32	0	< 1	< 1	0	0	0
Northern rockfish	17	2	23	5	0	0	< 1
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	< 1	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	347	67	0	0	0	0	0
Other rockfish	3	< 1	5	< 1	0	0	0
Sablefish	3	2	0	0	0	0	0
Arrowtooth flounder	101	228	2	2	7	57	< 1
Pacific halibut	43	30	9	57	37	17	27
Northern rock sole	0	0	0	< 1	65	9	14
Southern rock sole	0	0	1	7	31	76	47
Flathead sole	11	11	0	0	0	3	0
Rex sole	11	14	0	0	0	0	0
Dover sole	28	29	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	22	25	9
Salmon	0	0	0	0	15	4	0
Skate unident.	13	0	0	9	16	0	0
Shark unident.	0	0	0	0	10	1	0
Yellow Irish lord	0	0	0	1	0	1	< 1
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	< 1	0	0	0
Smelts	0	0	0	< 1	4	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	7	8	20	6	0	< 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.	0	0	0	< 1	< 1	0	< 1
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	0	5	< 1	< 1	< 1	0	0
Starfish	0	< 1	< 1	< 1	3	5	< 1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	< 1	0	0	0	0	0
Snail	0	< 1	0	< 1	0	0	0
Other invertebrate	< 1	2	3	27	5	< 1	21
Total catch (kg)	630	407	68	116	216	226	124

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	304	305	306	307	308	309	310
Start date and time	08/01/05 19	08/02/05 06	08/02/05 09	08/02/05 11	08/03/05 07	08/03/05 10	08/03/05 14
Start latitude	N 5704.70	N 5700.48	N 5700.47	N 5709.69	N 5655.57	N 5638.34	N 5637.60
Start longitude	W 15136.46	W 15328.56	W 15328.66	W 15320.48	W 15315.07	W 15351.01	W 15305.69
End latitude	N 5705.38	N 5700.100	N 5700.92	N 5709.09	N 5655.38	N 5638.33	N 5637.01
End longitude	W 15137.13	W 15327.54	W 15327.54	W 15321.35	W 15316.55	W 15349.62	W 15306.56
Bottom depth (m)	128	123	124	117	89	72	152
Duration (minutes)	15.6	15.6	15.6	15.6	15.6	15.6	15
Distance fished (km)	1.451	1.439	1.437	1.444	1.57	1.428	1.446
Performance	0	-5.6	0	0	0	0	0
Atka mackerel	4	0	0	0	0	0	0
Pacific cod	22	0	53	35	3	2	0
Walleye pollock	0	1	736	1376	7	0	0
Pacific ocean perch	< 1	0	0	0	< 1	0	11
Northern rockfish	0	0	0	0	1	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	20	6	0	0	58
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	0	0	3	0	0
Other rockfish	0	0	0	0	0	0	< 1
Sablefish	0	0	0	1	0	0	0
Arrowtooth flounder	256	33	400	1792	21	25	1157
Pacific halibut	35	0	48	27	63	102	48
Northern rock sole	25	0	19	2	3	47	0
Southern rock sole	20	0	< 1	0	44	35	0
Flathead sole	0	8	206	589	0	1	68
Rex sole	0	< 1	36	25	0	0	9
Dover sole	0	0	12	3	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	22	25	0	29	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	10	64	0	20	23	20
Shark unident.	0	0	0	0	9	2	0
Yellow Irish lord	< 1	0	< 1	0	< 1	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	3	14	< 1	0	0
Other sculpins	< 1	0	< 1	0	< 1	< 1	< 1
Smelts	0	0	6	< 1	0	0	2
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	0	3	0	5	< 1	< 1
Bairdi Tanner crab	0	0	< 1	< 1	0	0	5
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	< 1	0	0	< 1
Sidestripe shrimp	0	0	0	0	0	0	< 1
Scallop unident.	< 1	0	< 1	0	< 1	< 1	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	1	0	0	0	< 1	0	0
Starfish	2	0	5	3	1	< 1	< 1
Soft coral	0	0	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	0	0	1	< 1	0	< 1
Other invertebrate	4	1	41	28	22	7	16
Total catch (kg)	370	54	1677	3931	206	275	1396

Fishing Log: FV *Northwest Explorer*, Cruise 2005-01.

Haul number	311	312	313	314
Start date and time	08/03/05 16	08/03/05 21	08/04/05 08	08/04/05 16
Start latitude	N 5631.27	N 5604.010	N 5642.78	N 5641.49
Start longitude	W 15323.75	W 15347.54	W 15215.40	W 15143.67
End latitude	N 5631.75	N 5604.01	N 5643.14	N 5640.70
End longitude	W 15322.65	W 15346.18	W 15214.23	W 15144.85
Bottom depth (m)	90	184	96	992
Duration (minutes)	15.6	15	15.6	29.4
Distance fished (km)	1.469	1.434	1.405	1.976
Performance	0	0	0	0
Atka mackerel	0	0	0	0
Pacific cod	2	3	13	0
Walleye pollock	< 1	< 1	0	0
Pacific ocean perch	0	26	0	0
Northern rockfish	0	7	0	0
Shortraker rockfish	0	0	0	0
Rougheye rockfish	0	0	0	0
Shortspine thornyhead	0	< 1	0	28
Dusky rockfish	0	0	0	0
Other rockfish	0	8	0	0
Sablefish	0	0	0	77
Arrowtooth flounder	178	112	227	0
Pacific halibut	15	4	257	0
Northern rock sole	23	0	0	0
Southern rock sole	18	0	14	0
Flathead sole	5	3	5	0
Rex sole	2	18	0	0
Dover sole	0	8	0	14
Yellowfin sole	0	0	0	0
Other flatfish	10	0	0	1
Salmon	8	0	4	0
Skate unident.	0	0	0	17
Shark unident.	0	0	0	0
Yellow Irish lord	0	0	0	0
Bigmouth sculpin	0	0	0	0
Great sculpin	6	0	0	0
Other sculpins	0	0	0	0
Smelts	< 1	0	11	0
Giant grenadier	0	0	0	229
Other fish	< 1	0	0	192
Bairdi Tanner crab	0	< 1	0	0
Golden king crab	0	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	0	< 1	0
Magistrate armhook squid	0	0	0	0
Sponge	0	0	0	< 1
Starfish	1	< 1	0	3
Soft coral	0	0	0	0
Stony coral unident.	0	0	0	0
Octopus	0	0	0	5
Snail	0	0	0	< 1
Other invertebrate	5	9	1	35
Total catch (kg)	274	200	535	601

Section 3 (continued)

Fishing Log for the FV *Sea Storm*

- 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 minutes
- Distance fished in kilometers
- Catch weight in kilograms of principal species
- Total catch weight in kilograms of all species

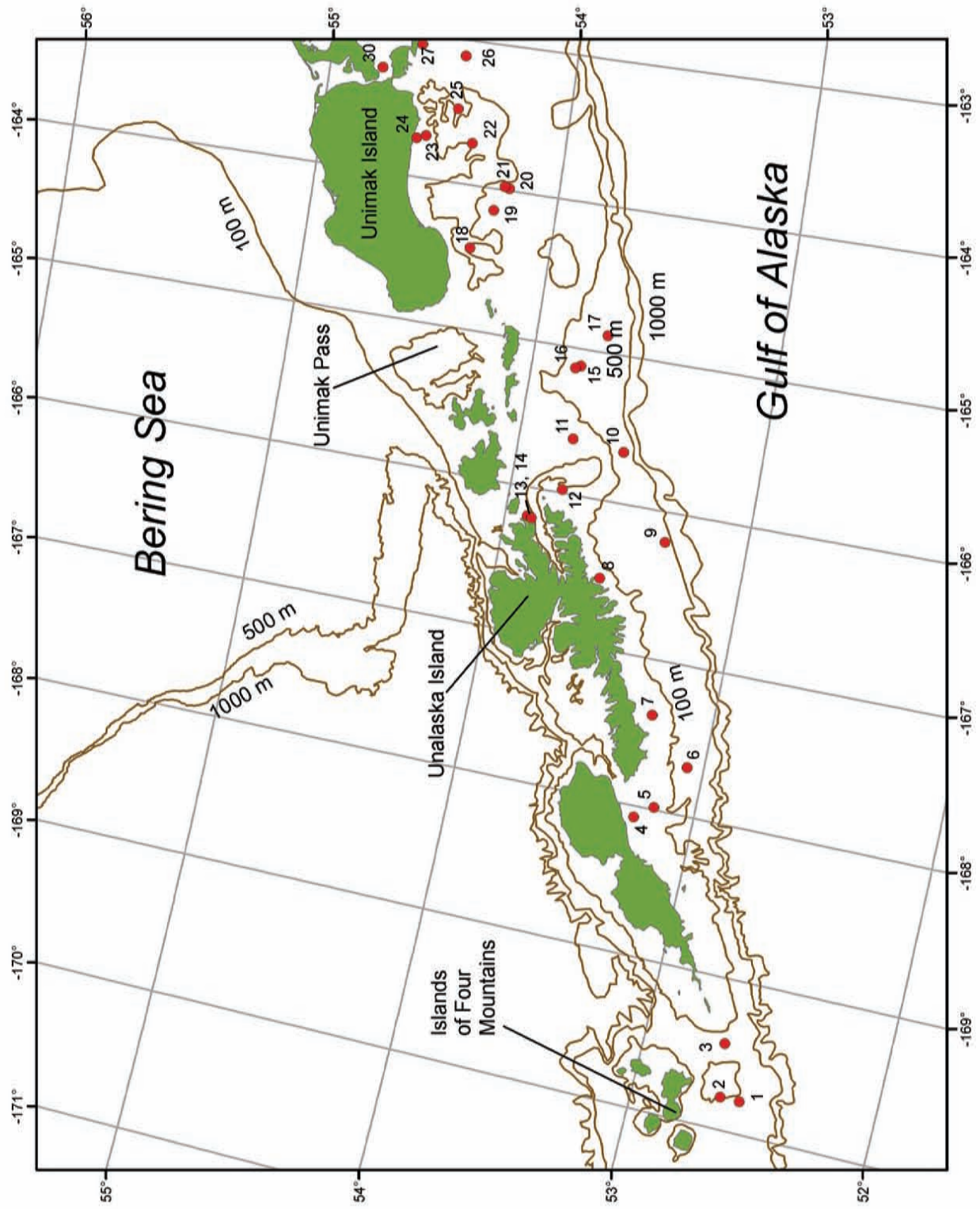


Figure 11.—Stations surveyed by the chartered trawler *FV Sea Storm* from the Islands of Four Mountains to Unimak Island.

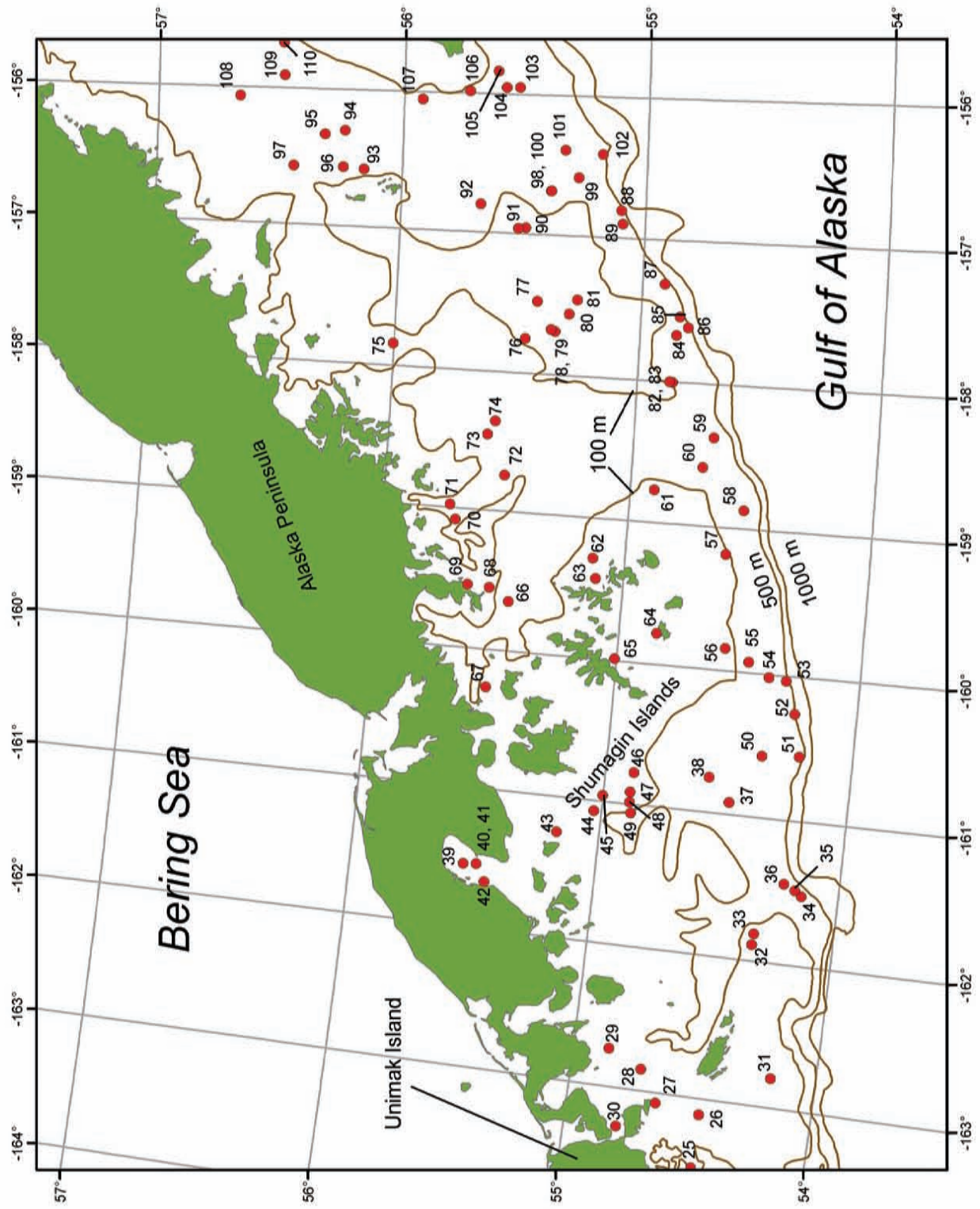


Figure 12. Stations surveyed by the chartered trawler *FV Sea Storm* in the vicinity of the western Alaska Peninsula.

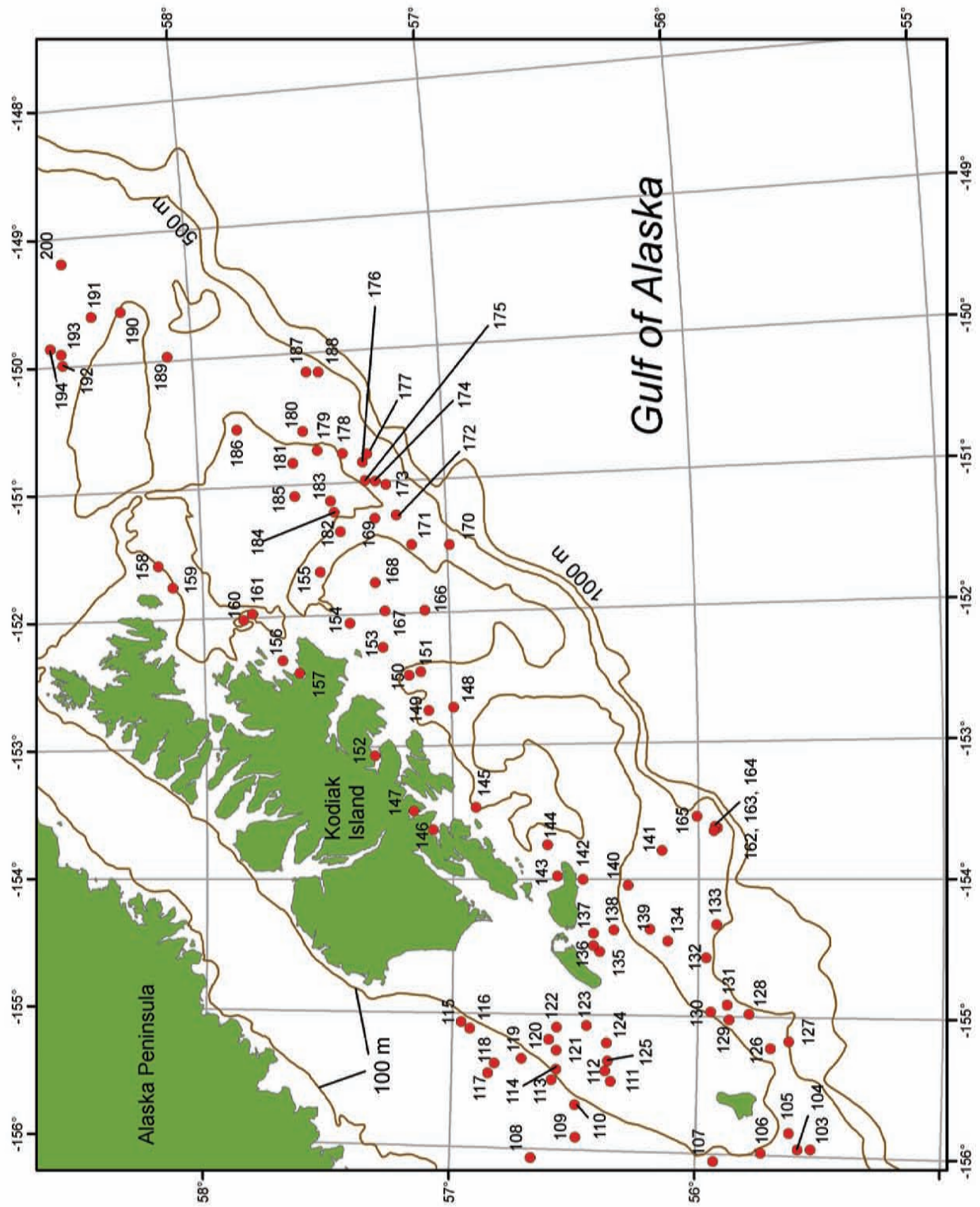


Figure 13. Stations surveyed by the chartered trawler *FV Sea Storm* in the vicinity of Kodiak Island.

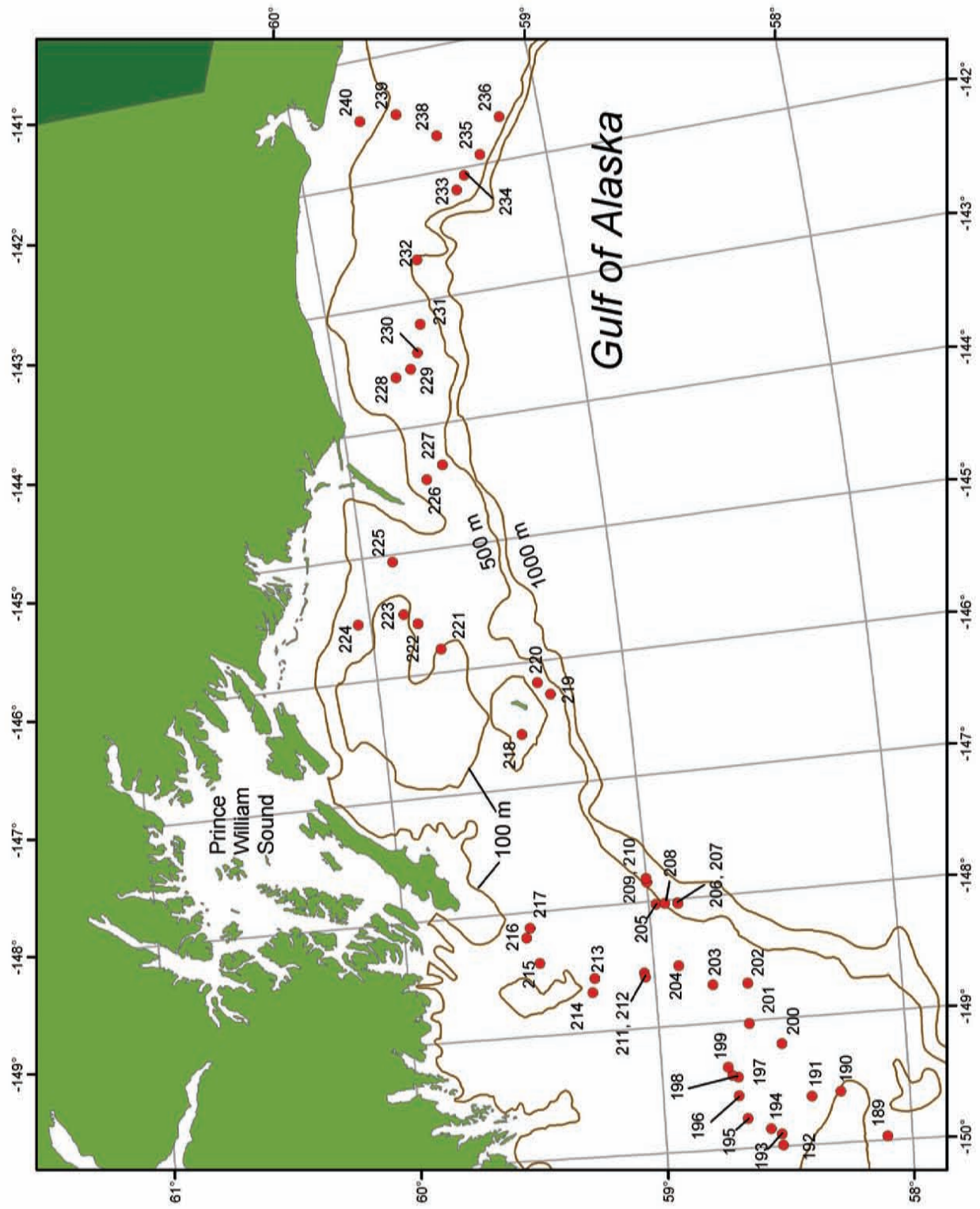


Figure 14--Stations surveyed by the chartered trawler *FV Sea Storm* in the vicinity of Prince William Sound.

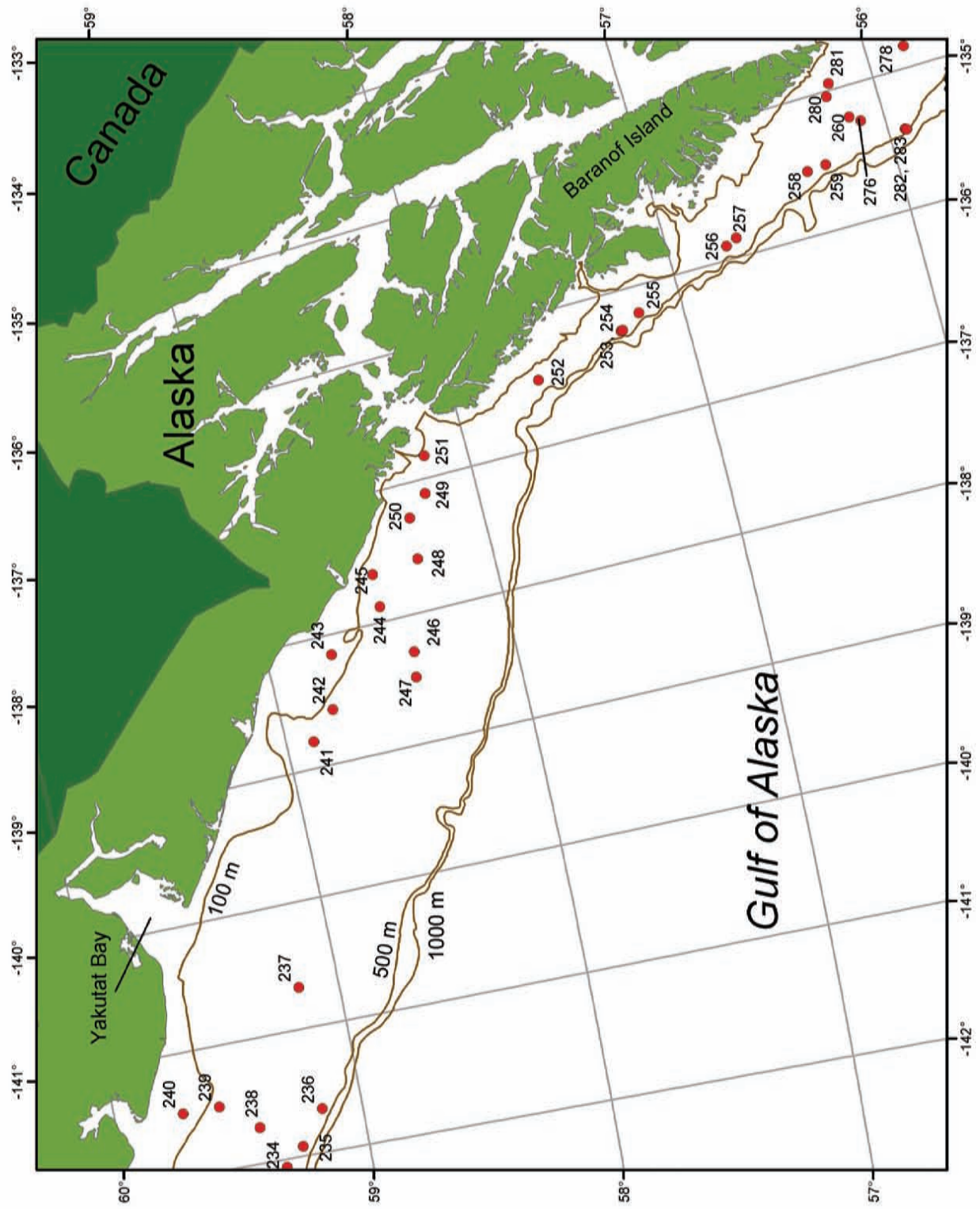


Figure 15.--Stations surveyed by the chartered trawler FV *Sea Storm* from Yakutat Bay to Baranof Island.

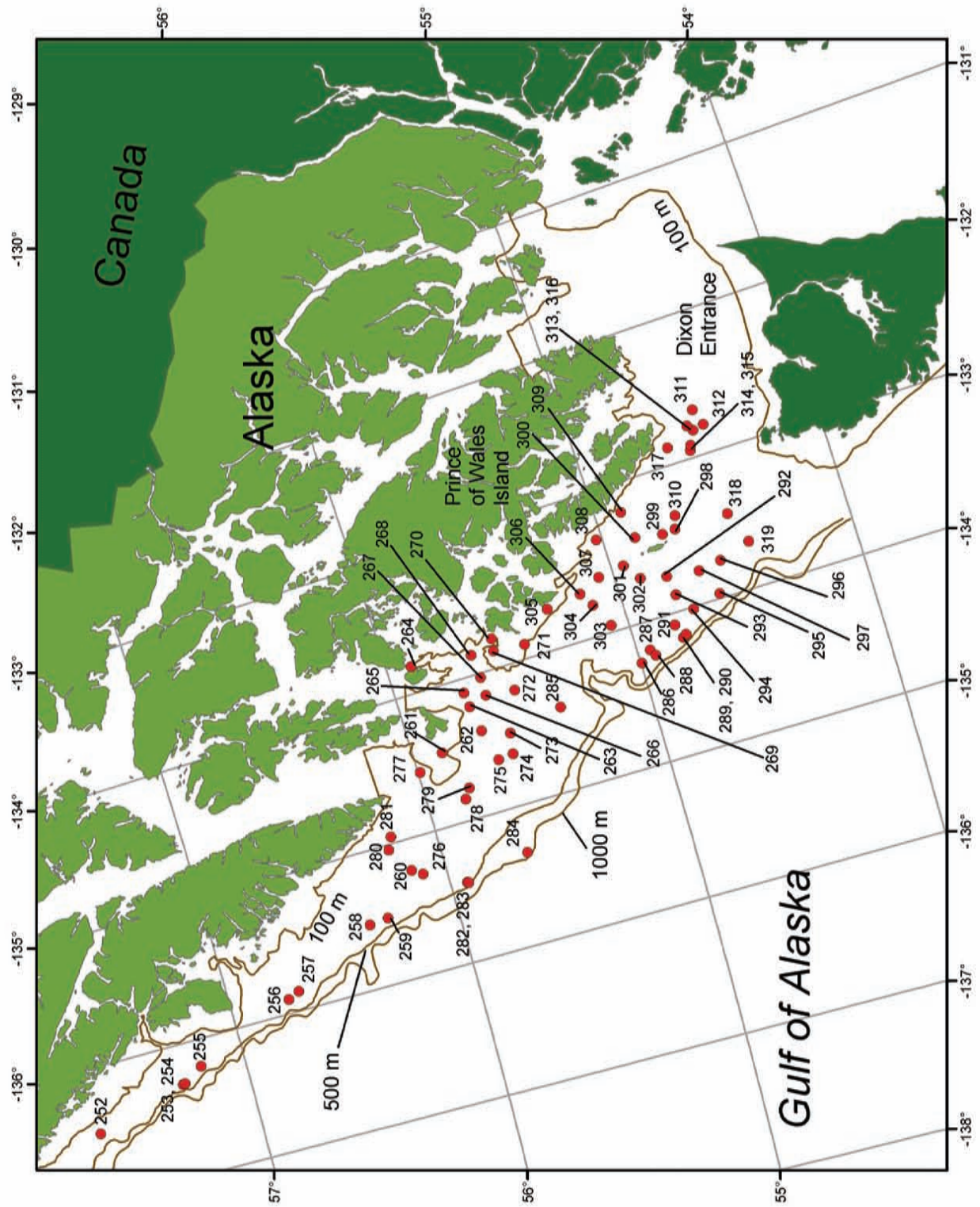


Figure 16.---Stations surveyed by the chartered trawler FV *Sea Storm* in the vicinity of Dixon Entrance.

Section 3

Fishing Log for the FV *Sea Storm*

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

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	1	2	3	4	5	6	7
Start date and time	05/21/05 15	05/21/05 18	05/22/05 13	05/23/05 07	05/23/05 09	05/23/05 12	05/23/05 14
Start latitude	N 5233.48	N 5238.30	N 5240.28	N 5314.46	N 5310.06	N 5304.10	N 5315.02
Start longitude	W 16946.97	W 16946.89	W 16925.67	W 16804.35	W 16758.86	W 16740.28	W 16722.31
End latitude	N 5234.26	N 5237.62	N 5240.87	N 5314.06	N 5310.47	N 5304.07	N 5315.47
End longitude	W 16947.46	W 16946.67	W 16926.42	W 16805.50	W 16757.79	W 16739.04	W 16721.29
Bottom depth (m)	219	82	183	33	72	105	79
Duration (minutes)	16.8	15	15.6	16.2	15.6	15	15.6
Distance fished (km)	1.586	1.331	1.423	1.502	1.446	1.397	1.438
Performance	0	1.11	0	0	0	0	0
Atka mackerel	13	183	39	1	0	2	3
Pacific cod	190	31	242	40	16	61	22
Walleye pollock	3	0	47	0	0	< 1	0
Pacific ocean perch	25	4	49	0	0	0	0
Northern rockfish	0	40	4	0	0	1	< 1
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	1	0	3	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	1	0	0	0	0
Other rockfish	0	0	< 1	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	16	0	21	8	15	19	40
Pacific halibut	16	139	19	50	8	41	7
Northern rock sole	0	< 1	0	96	14	33	12
Southern rock sole	0	< 1	0	3	61	41	59
Flathead sole	0	0	0	0	< 1	< 1	0
Rex sole	0	0	0	0	0	< 1	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	3
Skate unident.	0	0	28	126	35	0	36
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	15	4	2	0	0	0
Bigmouth sculpin	0	8	0	0	0	4	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	7	< 1	10	0	< 1	0	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	25	< 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	< 1	0
Magistrate armhook squid	< 1	0	2	0	0	0	0
Sponge	267	185	102	0	0	0	< 1
Starfish	< 1	< 1	< 1	0	6	0	< 1
Soft coral	0	2	< 1	0	0	0	0
Stony coral unident.	< 1	9	< 1	0	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	< 1	< 1	0	0	< 1	0	0
Other invertebrate	2	9	14	2	< 1	< 1	< 1
Total catch (kg)	544	654	588	329	156	203	184

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	8	9	10	11	12	13	14
Start date and time	05/23/05 18	05/24/05 07	05/24/05 11	05/24/05 14	05/24/05 17	05/24/05 19	05/27/05 07
Start latitude	N 5334.18	N 5320.10	N 5334.00	N 5346.82	N 5347.21	N 5354.54	N 5353.46
Start longitude	W 16631.53	W 16612.12	W 16538.90	W 16537.07	W 16558.40	W 16611.71	W 16612.19
End latitude	N 5333.90	N 5320.41	N 5334.14	N 5347.58	N 5348.04	N 5353.80	N 5354.20
End longitude	W 16632.71	W 16610.94	W 16537.67	W 16536.97	W 16558.54	W 16611.85	W 16611.98
Bottom depth (m)	67	351	125	79	97	59	59
Duration (minutes)	15	15.6	15	15.6	17.4	15	15
Distance fished (km)	1.422	1.444	1.403	1.435	1.579	1.404	1.411
Performance	0	0	0	0	0	-2.4	0
Atka mackerel	0	0	0	0	< 1	8	12
Pacific cod	8	0	43	7	14	18	41
Walleye pollock	0	0	32	0	0	0	0
Pacific ocean perch	0	0	2199	0	< 1	< 1	0
Northern rockfish	0	0	5	0	0	< 1	0
Shortraker rockfish	0	4	2	0	0	0	0
Rougheye rockfish	0	3	0	0	0	0	0
Shortspine thornyhead	0	32	13	0	0	0	0
Dusky rockfish	0	0	1	0	0	< 1	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	46	4	0	0	0	0
Arrowtooth flounder	24	9	7	25	146	< 1	85
Pacific halibut	18	0	0	9	29	104	113
Northern rock sole	20	0	0	4	3	2	0
Southern rock sole	61	0	0	30	55	24	61
Flathead sole	0	0	0	0	2	0	0
Rex sole	0	16	0	0	0	0	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	1	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	1	0	0	0	0	0
Shark unident.	15	0	0	0	0	0	39
Yellow Irish lord	< 1	0	0	< 1	2	50	48
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	8	6
Other sculpins	0	0	< 1	0	< 1	0	< 1
Smelts	< 1	0	0	0	0	0	0
Giant grenadier	0	229	0	0	0	0	0
Other fish	0	< 1	0	0	< 1	0	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.	0	0	< 1	< 1	< 1	2	< 1
Magistrate armhook squid	0	< 1	0	0	0	0	0
Sponge	0	0	55	0	< 1	10	6
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	0	0	0	17
Snail	0	< 1	< 1	< 1	0	< 1	0
Other invertebrate	< 1	6	< 1	0	< 1	4	< 1
Total catch (kg)	149	351	2364	76	253	232	429

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	15	16	17	18	19	20	21
Start date and time	05/27/05 12	05/27/05 14	05/27/05 16	05/28/05 07	05/28/05 09	05/28/05 11	05/28/05 12
Start latitude	N 5347.98	N 5349.18	N 5342.68	N 5419.46	N 5415.20	N 5412.13	N 5413.34
Start longitude	W 16506.88	W 16508.15	W 16452.82	W 16425.85	W 16408.91	W 16358.94	W 16358.42
End latitude	N 5348.03	N 5348.98	N 5342.86	N 5419.44	N 5415.05	N 5411.71	N 5414.08
End longitude	W 16508.13	W 16509.34	W 16454.03	W 16427.12	W 16410.13	W 16400.00	W 16358.35
Bottom depth (m)	151	135	229	94	72	76	74
Duration (minutes)	15	15	15	15	15	15.6	15
Distance fished (km)	1.396	1.376	1.392	1.39	1.378	1.412	1.385
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	1	1	0
Pacific cod	28	2	0	12	< 1	3	0
Walleye pollock	221	58	6	3	0	0	0
Pacific ocean perch	17	4	63	0	0	0	0
Northern rockfish	3	0	3	0	0	0	0
Shortraker rockfish	0	0	3	0	0	0	0
Rougheye rockfish	0	0	1	0	0	0	0
Shortspine thornyhead	1	< 1	22	0	0	0	0
Dusky rockfish	1	0	2	0	0	0	0
Other rockfish	0	0	0	0	0	< 1	0
Sablefish	0	0	8	0	0	0	0
Arrowtooth flounder	6	15	9	33	8	9	21
Pacific halibut	2	9	0	39	36	23	24
Northern rock sole	0	< 1	0	65	5	10	11
Southern rock sole	0	0	0	9	41	25	18
Flathead sole	0	< 1	5	6	8	28	30
Rex sole	5	18	19	0	0	0	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	0	0	4	0	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	< 1	< 1
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	< 1	0	0	0	0
Smelts	0	0	0	0	< 1	0	< 1
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	0	0	0	0	0	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.	0	0	0	0	0	< 1	0
Magistrate armhook squid	< 1	0	7	< 1	0	0	0
Sponge	0	0	0	0	0	< 1	< 1
Starfish	0	< 1	< 1	0	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	< 1	< 1	< 1	0	0	0	0
Other invertebrate	1	< 1	2	< 1	< 1	< 1	1
Total catch (kg)	285	108	150	172	100	99	106

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	22	23	24	25	26	27	28
Start date and time	05/28/05 15	05/28/05 17	05/28/05 19	05/29/05 07	05/29/05 09	05/29/05 12	05/29/05 15
Start latitude	N 5422.79	N 5434.26	N 5436.48	N 5427.44	N 5427.29	N 5438.23	N 5442.88
Start longitude	W 16342.53	W 16342.09	W 16343.66	W 16329.06	W 16306.64	W 16304.20	W 16250.89
End latitude	N 5423.49	N 5434.72	N 5436.40	N 5427.58	N 5427.36	N 5438.52	N 5442.38
End longitude	W 16342.13	W 16343.11	W 16344.93	W 16330.34	W 16307.90	W 16305.37	W 16249.93
Bottom depth (m)	92	80	70	108	57	58	92
Duration (minutes)	15	15.6	15	15.6	15	15	15.6
Distance fished (km)	1.394	1.419	1.393	1.42	1.38	1.396	1.421
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	2	0	0	0
Pacific cod	0	14	38	27	44	232	4
Walleye pollock	0	583	1206	10	< 1	< 1	28
Pacific ocean perch	0	0	0	0	0	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	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	< 1	0	0	0	0
Arrowtooth flounder	154	229	301	160	62	35	146
Pacific halibut	43	67	252	9	98	134	51
Northern rock sole	3	54	152	< 1	83	115	5
Southern rock sole	11	11	16	< 1	291	159	5
Flathead sole	5	18	48	2	6	3	140
Rex sole	< 1	0	< 1	3	< 1	0	0
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	6	11	0	0	< 1	0
Other flatfish	0	338	129	0	2	6	2
Salmon	0	0	0	0	0	0	0
Skate unident.	0	0	0	0	0	24	0
Shark unident.	0	0	0	37	0	80	376
Yellow Irish lord	0	25	25	0	0	6	1
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	0	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	10	2	0	0	4	2
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	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	< 1	0	0	< 1	0	0	0
Starfish	0	0	0	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	0	0	< 1	< 1	< 1	0	< 1
Other invertebrate	< 1	< 1	< 1	5	< 1	6	7
Total catch (kg)	217	1356	2181	257	589	809	768

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	29	30	31	32	33	34	35
Start date and time	05/29/05 17	05/29/05 20	05/30/05 07	05/30/05 18	05/30/05 20	05/31/05 07	05/31/05 09
Start latitude	N 5451.27	N 5447.09	N 5411.02	N 5419.71	N 5419.54	N 5409.02	N 5410.75
Start longitude	W 16243.82	W 16316.15	W 16247.60	W 16153.03	W 16148.46	W 16130.71	W 16128.55
End latitude	N 5450.55	N 5447.07	N 5411.09	N 5419.78	N 5420.010	N 5409.61	N 5410.13
End longitude	W 16243.55	W 16317.48	W 16248.85	W 16154.29	W 16149.24	W 16130.24	W 16129.24
Bottom depth (m)	45	98	75	69	88	314	346
Duration (minutes)	15	15.6	15	15	15	13.8	15
Distance fished (km)	1.393	1.456	1.374	1.393	1.361	1.227	1.399
Performance	0	0	1.11	0	0	-2.4	1.11
Atka mackerel	0	0	10	12	4	0	0
Pacific cod	2	97	16	17	0	0	0
Walleye pollock	3	154	< 1	0	0	0	0
Pacific ocean perch	0	0	0	0	< 1	< 1	1
Northern rockfish	0	0	0	2	12	0	0
Shortraker rockfish	0	0	0	0	0	10	60
Rougheye rockfish	0	0	0	0	0	96	48
Shortspine thornyhead	0	0	0	0	0	22	33
Dusky rockfish	0	0	0	< 1	3	0	0
Other rockfish	0	0	0	5	0	< 1	0
Sablefish	0	0	0	0	0	8	65
Arrowtooth flounder	10	107	15	1	248	6	43
Pacific halibut	50	144	17	74	124	0	0
Northern rock sole	18	139	33	< 1	0	0	0
Southern rock sole	38	0	47	5	20	0	0
Flathead sole	5	59	2	0	< 1	0	0
Rex sole	0	< 1	0	0	0	< 1	0
Dover sole	0	0	0	0	0	8	0
Yellowfin sole	0	35	0	0	0	0	0
Other flatfish	1	21	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	6	0	0	0	0	0
Shark unident.	0	56	0	0	0	0	0
Yellow Irish lord	0	55	9	4	5	0	0
Bigmouth sculpin	0	4	0	0	0	0	0
Great sculpin	0	3	0	0	0	0	0
Other sculpins	0	< 1	0	0	< 1	< 1	< 1
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	0	0	0	324	640
Other fish	0	5	< 1	1	0	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	0	0	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	< 1	< 1
Scallop unident.	0	0	0	0	< 1	0	0
Magistrate armhook squid	0	0	0	0	0	5	4
Sponge	0	< 1	0	3	< 1	0	< 1
Starfish	3	3	0	< 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	0	0	0	< 1
Snail	< 1	1	< 1	< 1	< 1	< 1	1
Other invertebrate	2	6	106	9	4	< 1	5
Total catch (kg)	132	898	257	134	421	483	903

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	36	37	38	39	40	41	42
Start date and time	05/31/05 11	05/31/05 16	05/31/05 18	06/01/05 07	06/01/05 09	06/01/05 10	06/01/05 12
Start latitude	N 5413.58	N 5429.07	N 5434.64	N 5532.23	N 5529.12	N 5529.13	N 5526.66
Start longitude	W 16126.40	W 16054.80	W 16045.19	W 16132.84	W 16132.35	W 16132.35	W 16139.68
End latitude	N 5413.04	N 5429.21	N 5434.25	N 5531.59	N 5528.42	N 5528.42	N 5527.32
End longitude	W 16127.27	W 16056.06	W 16046.26	W 16133.64	W 16131.91	W 16131.88	W 16139.05
Bottom depth (m)	271	132	132	35	61	61	81
Duration (minutes)	15	15	15	16.2	15	15	15
Distance fished (km)	1.404	1.397	1.383	1.483	1.414	1.434	1.432
Performance	0	0	0	0	-3.1	0	0
Atka mackerel	0	0	2	0	0	0	0
Pacific cod	0	3	0	22	17	27	43
Walleye pollock	< 1	51	10	158	123	118	201
Pacific ocean perch	< 1	0	0	0	0	0	0
Northern rockfish	0	0	< 1	0	10	< 1	0
Shortraker rockfish	7	0	0	0	0	0	0
Rougheye rockfish	< 1	5	0	0	0	0	0
Shortspine thornyhead	100	0	0	0	0	0	0
Dusky rockfish	0	0	0	0	< 1	0	0
Other rockfish	0	0	0	0	< 1	< 1	0
Sablefish	27	2	0	< 1	< 1	1	< 1
Arrowtooth flounder	6	18	39	16	22	10	75
Pacific halibut	0	15	0	89	35	40	10
Northern rock sole	0	0	0	76	7	3	2
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	6	10	16	198	75	469
Rex sole	21	31	1	0	0	0	< 1
Dover sole	9	0	0	0	0	0	0
Yellowfin sole	0	0	0	255	250	170	114
Other flatfish	0	0	0	25	22	7	11
Salmon	0	0	0	0	0	0	0
Skate unident.	< 1	0	7	0	0	17	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	18	6	< 1	4
Bigmouth sculpin	0	0	0	0	0	0	< 1
Great sculpin	0	0	0	11	22	8	22
Other sculpins	< 1	0	< 1	< 1	0	0	< 1
Smelts	0	0	< 1	0	0	0	0
Giant grenadier	648	0	0	0	0	0	0
Other fish	< 1	0	< 1	< 1	< 1	< 1	5
Bairdi Tanner crab	0	< 1	< 1	0	3	1	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	0	0	0	0
Sidestripe shrimp	< 1	0	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	3	0	0	0	0	0	0
Sponge	3	0	0	0	0	0	< 1
Starfish	< 1	2	< 1	25	0	0	5
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	< 1	< 1	29	< 1	< 1
Other invertebrate	3	1	< 1	35	130	10	27
Total catch (kg)	830	134	71	747	875	490	1001

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	43	44	45	46	47	48	49
Start date and time	06/01/05 18	06/02/05 07	06/02/05 08	06/02/05 11	06/02/05 13	06/02/05 14	06/02/05 16
Start latitude	N 5510.41	N 5501.85	N 5500.09	N 5453.07	N 5453.48	N 5453.37	N 5452.80
Start longitude	W 16114.92	W 16104.31	W 16057.41	W 16046.40	W 16054.74	W 16059.14	W 16103.61
End latitude	N 5510.79	N 5502.48	N 5500.35	N 5453.66	N 5453.59	N 5453.36	N 5453.12
End longitude	W 16116.02	W 16103.63	W 16058.61	W 16047.22	W 16055.99	W 16100.42	W 16104.80
Bottom depth (m)	66	139	108	87	87	88	104
Duration (minutes)	15	15	15	15.6	15	15.6	15.6
Distance fished (km)	1.387	1.414	1.387	1.439	1.372	1.395	1.426
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	578	4	0	2
Pacific cod	0	20	0	5	0	2	3
Walleye pollock	1	23	16	1	4	2	8
Pacific ocean perch	0	0	0	0	0	0	< 1
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	< 1	0	0	0	0	< 1
Shortspine thornyhead	0	0	0	0	0	0	0
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	20	455	104	281	43	26	150
Pacific halibut	32	49	11	48	14	35	13
Northern rock sole	21	1	< 1	8	4	0	1
Southern rock sole	82	0	0	39	10	6	1
Flathead sole	38	93	33	11	4	5	30
Rex sole	0	3	1	2	< 1	1	2
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	4	0	0	0	0	0	0
Other flatfish	< 1	0	0	0	2	0	0
Salmon	0	1	0	0	0	0	0
Skate unident.	0	7	5	20	0	0	4
Shark unident.	0	0	0	2	0	0	0
Yellow Irish lord	3	2	0	6	3	3	< 1
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	5	0	0	2
Other sculpins	0	0	0	0	0	0	0
Smelts	< 1	< 1	< 1	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	< 1	0	0	0	0	0
Bairdi Tanner crab	0	< 1	< 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	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	< 1	0	< 1	0	0	< 1	0
Starfish	< 1	1	< 1	0	0	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	0	0	0	0
Snail	< 1	0	0	< 1	0	0	< 1
Other invertebrate	1	< 1	1	< 1	< 1	< 1	10
Total catch (kg)	204	657	172	1007	89	81	230

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	50	51	52	53	54	55	56
Start date and time	06/03/05 07	06/03/05 10	06/03/05 14	06/03/05 17	06/04/05 07	06/04/05 09	06/04/05 11
Start latitude	N 5422.24	N 5413.08	N 5415.20	N 5418.05	N 5422.31	N 5427.60	N 5433.65
Start longitude	W 16034.06	W 16032.98	W 16015.41	W 16001.92	W 16001.15	W 15955.36	W 15950.58
End latitude	N 5422.06	N 5413.25	N 5415.00	N 5417.94	N 5422.11	N 5427.12	N 5433.88
End longitude	W 16035.32	W 16034.44	W 16016.66	W 16003.22	W 16002.36	W 15956.38	W 15949.36
Bottom depth (m)	115	491	561	524	215	138	95
Duration (minutes)	15	18	15.6	15.6	15	15.6	15
Distance fished (km)	1.417	1.647	1.418	1.441	1.385	1.44	1.409
Performance	0	6	0	0	1.11	0	0
Atka mackerel	0	0	0	0	0	0	2
Pacific cod	8	0	0	0	3	11	4
Walleye pollock	7	0	0	0	9	158	0
Pacific ocean perch	6	< 1	0	0	10	2	21
Northern rockfish	60	0	0	0	0	< 1	686
Shortraker rockfish	0	4	0	2	0	0	0
Rougheye rockfish	0	0	0	0	7	< 1	0
Shortspine thornyhead	0	106	94	84	83	< 1	0
Dusky rockfish	4	0	0	0	0	0	17
Other rockfish	0	0	0	0	2	0	5
Sablefish	0	80	191	161	43	10	0
Arrowtooth flounder	30	4	0	9	11	96	37
Pacific halibut	0	0	0	0	0	4	4
Northern rock sole	0	0	0	0	0	0	6
Southern rock sole	0	0	0	0	0	0	17
Flathead sole	0	0	0	0	0	0	16
Rex sole	8	< 1	0	0	2	121	4
Dover sole	< 1	10	1	< 1	0	9	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	< 1	0	0	0	11	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	1
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	7	0	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	5597	726	2273	0	0	0
Other fish	5	60	20	36	< 1	0	24
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	0	< 1	< 1
Magistrate armhook squid	0	0	0	< 1	2	< 1	0
Sponge	< 1	2	5	0	4	< 1	< 1
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	3	4	0	0	0	0
Snail	< 1	< 1	< 1	< 1	1	< 1	< 1
Other invertebrate	3	1	2	2	< 1	5	4
Total catch (kg)	132	5870	1043	2568	184	430	849

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	57	58	59	60	61	62	63
Start date and time	06/04/05 15	06/04/05 18	06/05/05 07	06/05/05 09	06/05/05 12	06/05/05 16	06/05/05 19
Start latitude	N 5435.44	N 5431.80	N 5440.36	N 5442.58	N 5454.05	N 5507.85	N 5506.81
Start longitude	W 15911.03	W 15852.13	W 15822.39	W 15835.14	W 15846.03	W 15917.03	W 15925.59
End latitude	N 5435.77	N 5432.05	N 5440.88	N 5443.31	N 5454.01	N 5507.43	N 5506.96
End longitude	W 15909.92	W 15850.88	W 15821.46	W 15835.49	W 15844.73	W 15916.79	W 15926.87
Bottom depth (m)	93	290	220	124	87	67	84
Duration (minutes)	15	15.6	15	15	15	16.2	15
Distance fished (km)	1.365	1.44	1.421	1.434	1.416	1.15	1.405
Performance	2.1	0	5.8	0	0	-1.2	0
Atka mackerel	0	0	19	49	0	0	0
Pacific cod	8	0	4	23	11	0	0
Walleye pollock	0	0	2	88	0	< 1	0
Pacific ocean perch	72	0	47	103	2	0	0
Northern rockfish	136	0	5	219	7	0	0
Shortraker rockfish	0	12	0	0	0	0	0
Rougheye rockfish	0	19	3	0	0	0	0
Shortspine thornyhead	0	28	25	0	0	0	0
Dusky rockfish	< 1	0	4	18	0	0	0
Other rockfish	10	0	3	< 1	0	0	0
Sablefish	0	97	59	2	0	0	0
Arrowtooth flounder	5	8	11	72	23	13	59
Pacific halibut	1	11	17	3	27	10	20
Northern rock sole	2	0	0	0	< 1	1	13
Southern rock sole	9	0	0	0	37	23	11
Flathead sole	0	0	0	0	6	68	1
Rex sole	0	10	6	18	0	< 1	< 1
Dover sole	0	3	< 1	1	0	0	< 1
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	< 1
Salmon	0	0	0	0	0	0	0
Skate unident.	0	0	0	0	0	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	< 1	0	0	0	< 1	< 1	10
Bigmouth sculpin	14	0	0	0	6	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	< 1	4	< 1	0	0	< 1
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	9	0	0	0	0	0
Other fish	16	< 1	< 1	3	< 1	0	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	< 1	0	0	0	0	0
Scallop unident.	< 1	0	0	< 1	< 1	0	< 1
Magistrate armhook squid	0	6	10	2	0	0	0
Sponge	< 1	0	< 1	< 1	< 1	0	< 1
Starfish	< 1	< 1	< 1	< 1	0	< 1	< 1
Soft coral	< 1	0	< 1	< 1	< 1	< 1	0
Stony coral unident.	0	0	0	0	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	< 1	0	0	0	0	0	0
Other invertebrate	2	< 1	< 1	< 1	< 1	< 1	< 1
Total catch (kg)	278	203	219	603	121	116	117

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	64	65	66	67	68	69	70
Start date and time	06/06/05 07	06/06/05 10	06/06/05 14	06/06/05 16	06/08/05 08	06/08/05 11	06/08/05 14
Start latitude	N 5450.78	N 5500.42	N 5527.59	N 5531.29	N 5532.53	N 5537.86	N 5542.12
Start longitude	W 15946.69	W 15958.95	W 15938.61	W 16016.18	W 15933.17	W 15932.56	W 15904.91
End latitude	N 5450.31	N 5501.14	N 5527.83	N 5531.81	N 5533.17	N 5538.44	N 5542.74
End longitude	W 15947.75	W 15958.61	W 15939.86	W 16015.20	W 15932.35	W 15931.72	W 15905.63
Bottom depth (m)	38	41	155	72	69	56	127
Duration (minutes)	15.6	15	15	15	16.2	15	15
Distance fished (km)	1.459	1.419	1.414	1.448	1.436	1.411	1.416
Performance	0	0	0	0	6.3	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	14	50	0	< 1	0	1202	0
Walleye pollock	0	1	< 1	< 1	0	0	< 1
Pacific ocean perch	0	0	0	0	< 1	0	0
Northern rockfish	0	0	0	0	8	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	1	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	0	0	1	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	1	8	93	23	1	203	309
Pacific halibut	50	27	0	27	83	84	24
Northern rock sole	99	44	0	2	0	232	0
Southern rock sole	122	34	0	16	3	55	2
Flathead sole	0	0	32	< 1	0	49	34
Rex sole	0	0	5	0	0	0	< 1
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	7	< 1	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	40	0	0	0	0	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	23	2	0	2	0	< 1	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	8	0	0	3	0	0	0
Other sculpins	0	0	< 1	0	0	0	0
Smelts	0	0	5	0	0	< 1	< 1
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	0	0	0	5	1	0
Bairdi Tanner crab	0	0	1	0	0	0	< 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	2	< 1	0	0	< 1
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	< 1	< 1	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	0	0	0	< 1	< 1	0	0
Starfish	10	2	1	< 1	< 1	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	< 1	0	< 1	0	< 1	0	0
Other invertebrate	2	< 1	< 1	2	2	< 1	18
Total catch (kg)	377	168	142	77	104	1828	388

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	71	72	73	74	75	76	77
Start date and time	06/08/05 17	06/09/05 07	06/09/05 09	06/09/05 11	06/09/05 15	06/10/05 07	06/10/05 09
Start latitude	N 5543.72	N 5530.95	N 5535.73	N 5534.04	N 5600.18	N 5527.96	N 5525.55
Start longitude	W 15858.51	W 15844.27	W 15827.12	W 15821.29	W 15750.26	W 15744.92	W 15728.75
End latitude	N 5544.26	N 5531.42	N 5535.73	N 5534.02	N 5559.43	N 5528.70	N 5525.70
End longitude	W 15859.50	W 15845.35	W 15828.45	W 15822.62	W 15750.33	W 15744.55	W 15727.44
Bottom depth (m)	148	157	140	140	128	98	85
Duration (minutes)	15.6	15.6	15.6	15.6	15.6	15.6	15.6
Distance fished (km)	1.483	1.47	1.409	1.411	1.409	1.47	1.427
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	2	0	0	0	11
Pacific cod	0	0	0	0	0	11	2734
Walleye pollock	0	0	0	0	0	0	< 1
Pacific ocean perch	0	0	0	0	< 1	0	5
Northern rockfish	0	0	0	0	0	0	17
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	3	< 1	8	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	1
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	0	0	0
Arrowtooth flounder	290	24	45	27	194	30	7
Pacific halibut	1	2	0	3	13	49	26
Northern rock sole	0	0	0	0	0	1	0
Southern rock sole	0	0	0	0	0	2	9
Flathead sole	29	25	25	35	4	8	< 1
Rex sole	1	1	< 1	< 1	0	3	< 1
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	17	0	2	0	0	< 1	0
Shark unident.	0	0	0	0	2	58	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	5	< 1	< 1	< 1	< 1	0	0
Smelts	0	< 1	2	2	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	< 1	< 1	0	0	0	0
Bairdi Tanner crab	< 1	< 1	1	< 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	1	< 1	0	0	0	0
Sidestripe shrimp	0	< 1	< 1	< 1	< 1	0	0
Scallop unident.	0	0	0	0	0	< 1	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	0	0	0	0	0	< 1	0
Starfish	0	< 1	< 1	< 1	< 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	0	0
Snail	< 1	< 1	< 1	0	0	0	0
Other invertebrate	0	< 1	3	< 1	< 1	< 1	< 1
Total catch (kg)	344	58	81	77	213	163	2810

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	78	79	80	81	82	83	84
Start date and time	06/10/05 11	06/10/05 12	06/10/05 14	06/10/05 16	06/11/05 07	06/11/05 08	06/11/05 11
Start latitude	N 5520.76	N 5521.76	N 5517.54	N 5515.71	N 5451.36	N 5452.07	N 5451.02
Start longitude	W 15741.29	W 15740.57	W 15733.44	W 15727.28	W 15800.02	W 15759.86	W 15740.10
End latitude	N 5520.90	N 5521.08	N 5518.20	N 5516.31	N 5451.98	N 5451.50	N 5450.80
End longitude	W 15741.20	W 15741.06	W 15732.79	W 15726.35	W 15759.37	W 15800.73	W 15741.37
Bottom depth (m)	78	83	87	92	115	113	231
Duration (minutes)	5.4	15	15.6	15.6	15	15.6	15.6
Distance fished (km)	0.338	1.395	1.424	1.523	1.375	1.436	1.436
Performance	-4	0	0	0	-2.4	0	0
Atka mackerel	0	< 1	5	< 1	3	2	0
Pacific cod	7	7	2	6	4	21	11
Walleye pollock	0	0	0	< 1	0	0	68
Pacific ocean perch	0	< 1	< 1	0	22	27	57
Northern rockfish	0	0	0	14	177	201	1
Shortraker rockfish	0	0	0	0	0	0	3
Rougheye rockfish	0	0	0	0	0	0	7
Shortspine thornyhead	0	0	0	0	0	0	48
Dusky rockfish	0	0	0	1	3	3	0
Other rockfish	0	0	0	0	< 1	< 1	2
Sablefish	0	0	0	0	0	0	19
Arrowtooth flounder	2	12	14	21	9	23	33
Pacific halibut	6	40	23	20	7	37	0
Northern rock sole	0	2	0	0	0	0	0
Southern rock sole	< 1	25	19	8	0	4	0
Flathead sole	0	0	0	0	< 1	3	< 1
Rex sole	0	< 1	1	< 1	1	5	22
Dover sole	0	0	0	0	< 1	4	11
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	7	0	0	0	17	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	< 1	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	< 1	< 1
Smelts	0	< 1	0	0	0	0	< 1
Giant grenadier	0	0	0	0	0	0	18
Other fish	0	< 1	< 1	1	19	25	< 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	< 1	< 1
Sidestripe shrimp	0	0	0	0	0	0	< 1
Scallop unident.	< 1	< 1	0	< 1	< 1	< 1	0
Magistrate armhook squid	0	0	0	0	0	0	6
Sponge	< 1	< 1	3	< 1	< 1	2	< 1
Starfish	0	0	< 1	< 1	< 1	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	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Other invertebrate	< 1	< 1	< 1	< 1	< 1	4	1
Total catch (kg)	15	95	69	73	247	379	310

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	85	86	87	88	89	90	91
Start date and time	06/11/05 14	06/11/05 17	06/11/05 20	06/12/05 07	06/12/05 09	06/12/05 14	06/12/05 17
Start latitude	N 5450.41	N 5448.28	N 5454.53	N 5505.94	N 5505.49	N 5529.22	N 5531.04
Start longitude	W 15732.18	W 15736.55	W 15718.66	W 15648.17	W 15653.89	W 15657.30	W 15657.70
End latitude	N 5450.010	N 5448.06	N 5454.11	N 5505.51	N 5505.74	N 5528.49	N 5530.32
End longitude	W 15733.45	W 15737.81	W 15719.88	W 15649.16	W 15652.52	W 15657.05	W 15657.59
Bottom depth (m)	388	530	376	378	336	89	89
Duration (minutes)	16.8	15.6	16.8	14.4	17.4	15	15
Distance fished (km)	1.504	1.43	1.553	1.349	1.553	1.415	1.359
Performance	0	6.3	6.3	-2.4	6.3	0	1.1
Atka mackerel	0	0	0	0	0	0	3
Pacific cod	0	0	0	0	0	0	0
Walleye pollock	0	0	< 1	0	1	< 1	< 1
Pacific ocean perch	< 1	0	0	0	0	< 1	< 1
Northern rockfish	0	3	0	0	0	0	25
Shortraker rockfish	25	0	25	35	43	0	0
Rougheye rockfish	0	0	0	0	0	0	0
Shortspine thornyhead	129	15	173	107	64	0	0
Dusky rockfish	0	0	0	0	0	0	2
Other rockfish	0	0	0	0	0	0	0
Sablefish	97	198	246	125	193	0	0
Arrowtooth flounder	3	2	2	3	7	2	1
Pacific halibut	0	0	0	0	11	29	31
Northern rock sole	0	0	0	0	0	3	3
Southern rock sole	0	0	0	0	0	36	26
Flathead sole	0	0	0	0	0	0	0
Rex sole	2	0	5	4	10	< 1	0
Dover sole	20	6	94	27	3	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	0	0	0	0	18	13
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	< 1
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	0	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	1371	1313	1172	625	205	0	0
Other fish	< 1	9	< 1	0	< 1	< 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.	0	0	0	0	0	< 1	< 1
Magistrate armhook squid	< 1	< 1	< 1	< 1	< 1	0	0
Sponge	2	< 1	1	0	< 1	< 1	< 1
Starfish	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Soft coral	0	0	0	0	0	0	0
Stony coral unident.	0	< 1	0	0	0	0	< 1
Octopus	0	0	< 1	< 1	0	0	0
Snail	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Other invertebrate	3	1	2	4	9	1	5
Total catch (kg)	1652	1547	1721	932	548	91	114

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	92	93	94	95	96	97	98
Start date and time	06/12/05 20	06/13/05 09	06/13/05 11	06/13/05 14	06/13/05 16	06/13/05 19	06/14/05 07
Start latitude	N 5540.45	N 5609.35	N 5614.25	N 5619.09	N 5614.43	N 5626.56	N 5523.28
Start longitude	W 15647.80	W 15634.64	W 15617.95	W 15619.78	W 15634.00	W 15634.04	W 15641.03
End latitude	N 5541.20	N 5610.11	N 5613.45	N 5618.44	N 5615.20	N 5627.31	N 5523.90
End longitude	W 15647.84	W 15634.44	W 15618.05	W 15620.60	W 15633.74	W 15633.64	W 15641.36
Bottom depth (m)	121	194	266	258	190	196	108
Duration (minutes)	15	15.6	16.2	16.2	15.6	15.6	13.8
Distance fished (km)	1.418	1.435	1.515	1.515	1.483	1.491	1.231
Performance	0	0	0	0	0	0	-4.4
Atka mackerel	1	0	0	1	0	0	2
Pacific cod	6	0	0	3	8	13	0
Walleye pollock	< 1	< 1	25	31	< 1	< 1	0
Pacific ocean perch	4	0	0	0	7	5	1416
Northern rockfish	12	0	0	0	0	0	3365
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	1	2	3	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	2	0	0	0	2	0	382
Other rockfish	0	0	0	0	1	< 1	< 1
Sablefish	0	3	36	47	0	3	0
Arrowtooth flounder	21	184	109	140	142	107	2
Pacific halibut	85	0	0	0	14	7	40
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	< 1	0	0	0	0	0	0
Flathead sole	0	22	< 1	< 1	11	18	< 1
Rex sole	0	40	6	9	28	5	0
Dover sole	10	20	2	11	18	< 1	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	3	0	0	7	0	0
Skate unident.	0	0	40	55	0	0	0
Shark unident.	1	0	74	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	0	0	0	< 1	< 1	0
Smelts	0	0	< 1	7	0	18	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	0	< 1	< 1	0	0	1
Bairdi Tanner crab	0	< 1	< 1	< 1	< 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	0	< 1	0	0	< 1	3	0
Sidestripe shrimp	0	< 1	2	12	< 1	2	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	2	5	< 1	0	0
Sponge	< 1	< 1	0	0	24	< 1	< 1
Starfish	2	< 1	5	< 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	0	< 1	< 1	< 1	1	0	0
Other invertebrate	3	< 1	< 1	6	3	6	< 1
Total catch (kg)	149	272	305	331	270	192	5209

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	99	100	101	102	103	104	105
Start date and time	06/14/05 10	06/14/05 13	06/14/05 17	06/14/05 19	06/15/05 08	06/15/05 10	06/15/05 12
Start latitude	N 5516.70	N 5523.25	N 5520.19	N 5510.98	N 5531.75	N 5535.04	N 5537.16
Start longitude	W 15634.93	W 15641.01	W 15623.24	W 15624.52	W 15556.93	W 15557.010	W 15550.09
End latitude	N 5516.69	N 5523.92	N 5520.83	N 5510.82	N 5531.75	N 5534.29	N 5536.68
End longitude	W 15636.26	W 15641.36	W 15623.97	W 15625.84	W 15558.27	W 15556.85	W 15549.01
Bottom depth (m)	139	105	167	383	207	193	179
Duration (minutes)	15.6	13.8	15.6	15.6	15	15	15.6
Distance fished (km)	1.442	1.327	1.446	1.45	1.418	1.437	1.467
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	1	0	0	0	3
Pacific cod	4	0	6	0	2	5	5
Walleye pollock	0	0	0	< 1	34	0	< 1
Pacific ocean perch	284	62	905	2	15	85	101
Northern rockfish	42	2901	86	0	0	10	4
Shortraker rockfish	0	0	0	40	0	0	0
Rougheye rockfish	0	0	0	16	2	1	0
Shortspine thornyhead	0	0	0	70	< 1	0	0
Dusky rockfish	4	1335	20	2	0	1	5
Other rockfish	5	0	< 1	0	0	0	0
Sablefish	0	0	3	242	7	7	0
Arrowtooth flounder	63	0	42	4	34	28	24
Pacific halibut	18	61	1	17	28	42	6
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	13	< 1	< 1
Rex sole	13	0	20	0	183	37	22
Dover sole	0	0	5	4	13	2	10
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	3	0	0	0	0
Skate unident.	14	0	24	0	0	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	6	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	< 1	0	0	0
Smelts	0	0	0	0	< 1	0	0
Giant grenadier	0	0	0	51	0	0	0
Other fish	< 1	24	0	< 1	0	2	6
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	< 1	< 1	< 1
Sidestripe shrimp	0	0	0	0	0	0	< 1
Scallop unident.	< 1	< 1	0	0	0	0	0
Magistrate armhook squid	0	0	0	4	< 1	0	0
Sponge	15	4	< 1	< 1	0	0	< 1
Starfish	2	5	< 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	0	0	0	0	0	0
Snail	< 1	< 1	0	< 1	0	0	0
Other invertebrate	2	1	< 1	1	< 1	< 1	1
Total catch (kg)	466	4393	1119	457	334	227	189

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	106	107	108	109	110	111	112
Start date and time	06/15/05 14	06/15/05 16	06/16/05 07	06/16/05 09	06/16/05 11	06/16/05 13	06/16/05 14
Start latitude	N 5543.93	N 5555.51	N 5640.12	N 5629.40	N 5629.72	N 5621.06	N 5622.50
Start longitude	W 15558.98	W 15603.17	W 15603.88	W 15554.22	W 15539.87	W 15529.16	W 15524.56
End latitude	N 5543.28	N 5554.75	N 5640.83	N 5630.08	N 5630.32	N 5621.35	N 5622.97
End longitude	W 15558.34	W 15603.12	W 15603.16	W 15553.61	W 15538.98	W 15527.91	W 15523.45
Bottom depth (m)	155	121	288	231	122	59	49
Duration (minutes)	15	15.6	16.2	15	15.6	15	15.6
Distance fished (km)	1.427	1.428	1.534	1.444	1.465	1.415	1.463
Performance	0	0	5.1	0	0	0	0
Atka mackerel	6	0	0	0	1	0	0
Pacific cod	19	3	0	0	49	4	19
Walleye pollock	< 1	0	12	4	0	0	0
Pacific ocean perch	23	< 1	0	< 1	0	0	0
Northern rockfish	2	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	1	2	0	0	0
Shortspine thornyhead	0	0	< 1	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	1	0	2	0	0	0	0
Sablefish	59	5	76	4	< 1	0	0
Arrowtooth flounder	1013	1056	96	99	2749	7	4
Pacific halibut	18	10	32	0	44	45	66
Northern rock sole	0	0	0	0	0	1	19
Southern rock sole	0	0	0	0	0	7	56
Flathead sole	12	319	2	7	226	1	0
Rex sole	118	111	< 1	< 1	56	0	0
Dover sole	9	36	< 1	5	16	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	3	0	5
Skate unident.	0	0	84	8	13	0	27
Shark unident.	0	0	0	0	24	0	0
Yellow Irish lord	< 1	0	0	0	< 1	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	0	0
Smelts	0	0	8	3	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	0	< 1	0	0	< 1	0
Bairdi Tanner crab	0	0	< 1	< 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	0	0	< 1	< 1	0	0	0
Sidestripe shrimp	0	0	1	< 1	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	10	< 1	0	0	0
Sponge	0	0	0	0	0	0	0
Starfish	0	< 1	2	< 1	< 1	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	< 1	0	0	< 1	0
Other invertebrate	< 1	< 1	< 1	< 1	< 1	3	< 1
Total catch (kg)	1281	1541	330	134	3183	68	196

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	113	114	115	116	117	118	119
Start date and time	06/16/05 16	06/16/05 18	06/17/05 06	06/17/05 08	06/17/05 11	06/17/05 13	06/17/05 16
Start latitude	N 5635.51	N 5634.45	N 5657.80	N 5655.63	N 5651.13	N 5649.57	N 5642.94
Start longitude	W 15529.07	W 15524.31	W 15503.85	W 15506.67	W 15526.60	W 15522.04	W 15519.78
End latitude	N 5634.92	N 5635.06	N 5658.51	N 5656.32	N 5651.76	N 5650.32	N 5643.53
End longitude	W 15529.93	W 15523.43	W 15503.28	W 15506.03	W 15525.75	W 15521.86	W 15518.91
Bottom depth (m)	108	78	153	167	256	237	143
Duration (minutes)	15	15.6	15.6	15.6	15.6	15.6	15.6
Distance fished (km)	1.433	1.472	1.478	1.466	1.496	1.436	1.444
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	20	22	0	0	0	0	0
Walleye pollock	0	0	1	1	6	8	< 1
Pacific ocean perch	0	0	1	0	0	0	0
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	< 1	8	1	2	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	37	4	0
Arrowtooth flounder	890	981	748	387	167	96	210
Pacific halibut	130	39	0	6	18	0	38
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	40	36	72	41	4	7	37
Rex sole	115	43	2	2	4	2	2
Dover sole	48	24	< 1	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	< 1	0	0	0	0	0
Salmon	0	0	0	2	0	0	0
Skate unident.	10	16	22	30	47	8	22
Shark unident.	118	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	2	0	0	0	0	0	0
Other sculpins	0	< 1	0	< 1	0	< 1	0
Smelts	0	0	< 1	5	2	8	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	0	< 1	0	< 1	< 1	< 1
Bairdi Tanner crab	0	0	< 1	1	2	< 1	< 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	< 1	< 1	< 1	< 1	< 1
Sidestripe shrimp	0	0	0	< 1	1	< 1	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	0	7	0	0
Sponge	0	0	0	0	0	0	0
Starfish	0	0	0	6	2	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	0	0	0	1	< 1	0	0
Other invertebrate	1	< 1	0	1	< 1	< 1	< 1
Total catch (kg)	1375	1161	849	492	298	137	312

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	120	121	122	123	124	125	126
Start date and time	06/18/05 06	06/18/05 08	06/18/05 11	06/18/05 14	06/18/05 16	06/18/05 17	06/19/05 06
Start latitude	N 5636.36	N 5634.50	N 5634.51	N 5627.24	N 5622.26	N 5621.90	N 5542.07
Start longitude	W 15511.09	W 15515.88	W 15505.62	W 15504.76	W 15512.18	W 15520.21	W 15513.46
End latitude	N 5637.12	N 5635.30	N 5635.24	N 5627.22	N 5622.98	N 5621.97	N 5542.41
End longitude	W 15511.02	W 15515.71	W 15504.98	W 15504.31	W 15512.44	W 15518.89	W 15512.29
Bottom depth (m)	53	58	40	27	37	46	254
Duration (minutes)	15.6	16.2	16.2	6	15	15.6	15
Distance fished (km)	1.435	1.518	1.536	0.481	1.402	1.386	1.401
Performance	0	0	5.1	-1.12	0	0	0
Atka mackerel	0	0	0	0	0	0	< 1
Pacific cod	21	3	< 1	0	105	0	0
Walleye pollock	0	0	0	0	0	0	4
Pacific ocean perch	0	0	0	0	0	0	29
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	8
Rougheye rockfish	0	0	0	0	0	0	3
Shortspine thornyhead	0	0	0	0	0	0	17
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	59
Arrowtooth flounder	99	24	0	0	0	0	24
Pacific halibut	61	66	108	0	61	179	24
Northern rock sole	1	6	2	0	3	118	0
Southern rock sole	3	26	6	0	0	40	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	0	0	0	0	0	0	11
Dover sole	0	0	0	0	0	0	6
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	104	93	5	0	0	6	0
Salmon	14	7	5	0	0	0	0
Skate unident.	38	16	29	0	0	85	0
Shark unident.	0	0	3	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	< 1	0	< 1
Smelts	0	0	< 1	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	0	0	0	< 1	0	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	< 1
Scallop unident.	0	0	0	0	< 1	0	0
Magistrate armhook squid	0	0	0	0	0	0	1
Sponge	0	< 1	0	0	4	2	0
Starfish	0	0	< 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	0	0	0	0	0	0
Snail	0	< 1	3	< 1	0	< 1	0
Other invertebrate	< 1	< 1	7	1	11	15	< 1
Total catch (kg)	342	241	167	1	184	447	187

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	127	128	129	130	131	132	133
Start date and time	06/19/05 10	06/19/05 13	06/19/05 16	06/19/05 18	06/20/05 06	06/20/05 09	06/20/05 16
Start latitude	N 5537.61	N 5547.44	N 5552.31	N 5556.82	N 5552.88	N 5558.12	N 5555.64
Start longitude	W 15510.37	W 15458.70	W 15501.21	W 15457.94	W 15454.80	W 15434.26	W 15419.74
End latitude	N 5537.52	N 5548.18	N 5551.57	N 5556.010	N 5553.53	N 5558.010	N 5555.38
End longitude	W 15509.07	W 15458.48	W 15501.54	W 15458.34	W 15454.13	W 15435.72	W 15418.49
Bottom depth (m)	649	348	145	153	337	551	592
Duration (minutes)	15.6	15	15.6	15.6	15	16.8	15
Distance fished (km)	1.39	1.417	1.436	1.437	1.42	1.542	1.41
Performance	0	5.1	0	0	0	5	5
Atka mackerel	0	0	0	27	0	0	0
Pacific cod	0	0	0	2	0	0	0
Walleye pollock	3	0	0	0	2	0	0
Pacific ocean perch	< 1	1	106	23	1	0	0
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	581	0	0	25	6	0
Rougheye rockfish	0	218	0	0	57	2	0
Shortspine thornyhead	5	44	0	0	93	57	20
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	< 1	0	0
Sablefish	125	284	< 1	1	269	344	70
Arrowtooth flounder	2	84	174	50	17	0	3
Pacific halibut	0	38	14	8	0	0	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	0	1	< 1	0	0	0
Rex sole	0	< 1	36	5	50	1	0
Dover sole	4	4	0	0	23	10	10
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	0	< 1	0	0	0	0
Shark unident.	0	0	0	0	0	0	1
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	5	8	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	0	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	22	10	0	0	159	836	216
Other fish	11	0	0	0	< 1	3	24
Bairdi Tanner crab	0	0	< 1	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	< 1	< 1	0	0	0
Scallop unident.	0	0	< 1	0	0	0	0
Magistrate armhook squid	0	2	0	0	1	< 1	0
Sponge	0	0	< 1	< 1	0	< 1	0
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	0	0	0	0	2	0
Snail	0	< 1	< 1	0	< 1	< 1	< 1
Other invertebrate	< 1	< 1	< 1	< 1	< 1	3	< 1
Total catch (kg)	172	1273	343	117	698	1266	345

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	134	135	136	137	138	139	140
Start date and time	06/20/05 19	06/21/05 06	06/21/05 08	06/21/05 09	06/21/05 11	06/21/05 13	06/21/05 15
Start latitude	N 5607.57	N 5624.16	N 5625.65	N 5625.69	N 5620.72	N 5611.86	N 5617.34
Start longitude	W 15427.13	W 15431.89	W 15429.32	W 15423.78	W 15422.33	W 15421.95	W 15402.62
End latitude	N 5606.82	N 5624.48	N 5625.65	N 5625.73	N 5621.23	N 5612.35	N 5617.20
End longitude	W 15426.80	W 15430.68	W 15430.74	W 15425.32	W 15423.35	W 15420.90	W 15403.95
Bottom depth (m)	158	28	23	24	67	132	130
Duration (minutes)	15.6	15	15.6	16.2	15.6	15.6	15
Distance fished (km)	1.45	1.392	1.469	1.604	1.449	1.443	1.409
Performance	0	0	0	0	0	0	0
Atka mackerel	< 1	0	0	0	0	1	1
Pacific cod	4	< 1	8	0	86	0	6
Walleye pollock	0	0	< 1	0	0	0	4
Pacific ocean perch	1	0	0	0	0	< 1	0
Northern rockfish	0	0	0	0	0	1	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
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	47	0	0	0	342	113	265
Pacific halibut	14	53	11	72	3	5	7
Northern rock sole	0	0	2	3	219	0	0
Southern rock sole	0	1	0	2	8	0	0
Flathead sole	0	0	0	0	19	< 1	5
Rex sole	29	0	0	0	63	12	102
Dover sole	0	0	0	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	3	74	102	50	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	< 1	0	94	163	0	0	6
Shark unident.	0	0	5	0	0	0	0
Yellow Irish lord	0	0	0	0	< 1	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	4	0	0
Other sculpins	0	0	0	0	0	0	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	0	30	< 1	0	0	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	< 1	0
Sidestripe shrimp	< 1	0	0	0	0	< 1	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	0	0	0	0	< 1	0	0
Starfish	0	< 1	0	0	2	< 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	0	0
Snail	< 1	0	0	0	< 1	0	0
Other invertebrate	2	< 1	4	4	2	0	< 1
Total catch (kg)	99	59	227	346	799	134	395

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	141	142	143	144	145	146	147
Start date and time	06/21/05 18	06/22/05 06	06/22/05 10	06/22/05 13	06/22/05 17	06/22/05 19	06/23/05 06
Start latitude	N 5608.97	N 5628.27	N 5634.55	N 5636.97	N 5654.36	N 5704.84	N 5709.53
Start longitude	W 15347.39	W 15359.98	W 15358.58	W 15344.66	W 15327.82	W 15337.75	W 15329.20
End latitude	N 5608.59	N 5628.22	N 5634.53	N 5636.21	N 5653.68	N 5704.80	N 5710.33
End longitude	W 15348.52	W 15358.55	W 15400.18	W 15344.68	W 15327.20	W 15336.37	W 15329.05
Bottom depth (m)	271	39	28	101	137	77	88
Duration (minutes)	15.6	16.2	16.8	15	15.6	15	16.2
Distance fished (km)	1.391	1.482	1.648	1.428	1.439	1.418	1.501
Performance	0	0	5.2	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	30	0	1	18	36	69
Walleye pollock	2	0	0	0	3	444	311
Pacific ocean perch	18	0	0	0	0	0	0
Northern rockfish	< 1	0	0	0	0	0	0
Shortraker rockfish	12	0	0	0	0	0	0
Rougheye rockfish	8	0	0	0	28	0	< 1
Shortspine thornyhead	64	0	0	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	131	0	0	0	4	2	< 1
Arrowtooth flounder	130	0	0	464	1009	35	179
Pacific halibut	6	40	84	226	156	27	21
Northern rock sole	0	18	7	40	2	0	10
Southern rock sole	0	34	7	1	3	0	0
Flathead sole	0	0	0	81	73	122	550
Rex sole	19	0	0	1	29	0	5
Dover sole	4	0	0	0	84	0	0
Yellowfin sole	0	0	0	0	0	91	231
Other flatfish	0	19	< 1	28	< 1	12	43
Salmon	0	0	0	0	0	0	0
Skate unident.	0	16	4	0	0	10	20
Shark unident.	0	0	6	0	6	0	0
Yellow Irish lord	0	0	2	0	0	0	0
Bigmouth sculpin	3	0	0	0	0	0	0
Great sculpin	0	0	0	2	8	0	3
Other sculpins	0	0	0	0	0	11	5
Smelts	0	0	0	0	< 1	< 1	< 1
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	0	< 1	< 1	1	7	< 1
Bairdi Tanner crab	0	0	0	0	0	2	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	< 1	0	0
Sidestripe shrimp	< 1	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	0	< 1	0	0	0	0
Starfish	0	0	14	3	3	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	0	0
Snail	0	0	0	0	0	< 1	0
Other invertebrate	2	< 1	< 1	< 1	< 1	7	16
Total catch (kg)	399	157	126	848	1429	810	1465

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	148	149	150	151	152	153	154
Start date and time	06/23/05 10	06/23/05 12	06/23/05 15	06/23/05 17	06/23/05 20	06/24/05 06	06/24/05 09
Start latitude	N 5659.46	N 5705.61	N 5710.20	N 5707.29	N 5718.83	N 5716.39	N 5724.31
Start longitude	W 15242.76	W 15243.95	W 15227.90	W 15226.50	W 15304.07	W 15215.00	W 15203.83
End latitude	N 5659.20	N 5705.29	N 5709.49	N 5708.04	N 5719.09	N 5716.40	N 5724.99
End longitude	W 15244.14	W 15245.17	W 15228.46	W 15226.70	W 15302.72	W 15216.40	W 15203.33
Bottom depth (m)	146	155	142	155	97	78	86
Duration (minutes)	16.2	15	15.6	15	15.6	15.6	15
Distance fished (km)	1.511	1.395	1.465	1.426	1.458	1.422	1.387
Performance	6.3	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	37	13	49	65	9
Walleye pollock	1	14	638	285	266	0	1
Pacific ocean perch	0	0	2	< 1	0	0	0
Northern rockfish	0	0	0	< 1	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	2	0	0	1	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	9	29	3	107	9	0	0
Arrowtooth flounder	1120	172	486	302	325	19	44
Pacific halibut	23	14	37	33	49	70	33
Northern rock sole	0	< 1	0	0	0	5	6
Southern rock sole	0	0	0	0	0	49	< 1
Flathead sole	57	73	30	109	140	0	0
Rex sole	12	3	197	39	0	0	0
Dover sole	< 1	0	20	12	0	0	0
Yellowfin sole	< 1	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	4	3	0	0	0
Skate unident.	20	32	0	0	0	0	7
Shark unident.	4	0	0	0	0	9	4
Yellow Irish lord	0	0	0	0	2	1	28
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	4	0	0	0	0
Other sculpins	0	0	0	0	2	0	0
Smelts	< 1	< 1	< 1	< 1	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	15	0	0	< 1	< 1	< 1
Bairdi Tanner crab	< 1	6	11	9	8	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	< 1	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	< 1	0	0	0	< 1	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	0	0	0	0	0	0	0
Starfish	1	12	6	< 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	0	0	0	0
Snail	< 1	0	0	< 1	0	0	0
Other invertebrate	< 1	< 1	< 1	0	2	3	< 1
Total catch (kg)	1252	371	1476	916	852	221	134

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	155	156	157	158	159	160	161
Start date and time	06/24/05 12	06/24/05 16	06/24/05 18	06/25/05 06	06/25/05 08	06/25/05 10	06/25/05 11
Start latitude	N 5731.14	N 5740.88	N 5736.92	N 5810.58	N 5807.16	N 5750.12	N 5748.06
Start longitude	W 15140.05	W 15220.02	W 15225.94	W 15134.91	W 15145.14	W 15201.03	W 15158.20
End latitude	N 5730.91	N 5740.44	N 5737.51	N 5809.100	N 5806.74	N 5749.69	N 5747.34
End longitude	W 15138.72	W 15221.17	W 15224.78	W 15135.87	W 15146.33	W 15159.87	W 15157.91
Bottom depth (m)	161	128	43	99	94	77	90
Duration (minutes)	15.6	15	16.8	15.6	15.6	15	15
Distance fished (km)	1.423	1.426	1.62	1.463	1.436	1.436	1.395
Performance	0	5.1	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	95
Pacific cod	16	8	6	9	19	< 1	190
Walleye pollock	30	14	161	0	0	< 1	0
Pacific ocean perch	0	0	0	0	0	0	< 1
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	3	0	0	0	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	2	0	0	0	0
Arrowtooth flounder	79	244	32	1183	482	10	1314
Pacific halibut	35	0	36	20	28	41	56
Northern rock sole	0	< 1	29	0	7	2	32
Southern rock sole	0	2	0	28	50	44	142
Flathead sole	32	329	371	0	18	< 1	5
Rex sole	12	4	< 1	0	1	0	0
Dover sole	0	0	0	< 1	10	0	1
Yellowfin sole	0	0	664	0	0	0	0
Other flatfish	2	2	68	0	2	0	1
Salmon	0	< 1	0	0	0	0	0
Skate unident.	0	11	66	12	28	0	10
Shark unident.	2	0	10	19	16	5	0
Yellow Irish lord	< 1	0	< 1	0	0	0	42
Bigmouth sculpin	0	2	0	0	0	0	0
Great sculpin	0	12	0	0	0	0	4
Other sculpins	< 1	2	26	0	0	0	0
Smelts	< 1	1	< 1	0	< 1	< 1	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	10	9	2	0	0	< 1
Bairdi Tanner crab	18	27	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	15	0	0	0	0	0
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	0	< 1	0	0	< 1
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	0	0	0	0	< 1	< 1	< 1
Starfish	3	0	2	< 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	0	0	12	0
Snail	0	< 1	0	0	0	< 1	0
Other invertebrate	< 1	3	1	< 1	< 1	< 1	< 1
Total catch (kg)	230	688	1485	1274	661	116	1897

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	162	163	164	165	166	167	168
Start date and time	06/28/05 14	06/28/05 16	06/28/05 18	06/28/05 20	06/29/05 14	06/29/05 16	06/29/05 18
Start latitude	N 5555.35	N 5555.97	N 5556.23	N 5600.44	N 5705.96	N 5715.63	N 5717.84
Start longitude	W 15337.55	W 15336.90	W 15338.88	W 15332.38	W 15158.86	W 15158.59	W 15145.71
End latitude	N 5554.81	N 5555.68	N 5555.95	N 5600.06	N 5705.47	N 5714.82	N 5717.48
End longitude	W 15338.55	W 15338.18	W 15339.68	W 15332.60	W 15159.24	W 15158.67	W 15146.94
Bottom depth (m)	357	310	230	151	74	76	62
Duration (minutes)	15.6	15.6	10.8	8.4	11.4	16.8	15.6
Distance fished (km)	1.482	1.471	0.993	0.757	1.004	1.532	1.427
Performance	0	0	2.4	-1.12	1.12	0	0
Atka mackerel	0	0	< 1	< 1	0	0	0
Pacific cod	0	0	0	5	20	61	15
Walleye pollock	7	< 1	3	0	0	< 1	0
Pacific ocean perch	24	119	251	49	0	0	0
Northern rockfish	< 1	0	< 1	68	0	0	0
Shortraker rockfish	22	104	0	0	0	0	0
Rougheye rockfish	160	402	2	0	0	0	0
Shortspine thornyhead	26	32	29	0	0	0	0
Dusky rockfish	0	0	0	54	0	0	0
Other rockfish	0	2	9	5	0	0	0
Sablefish	88	78	5	0	0	0	0
Arrowtooth flounder	30	35	23	14	2	51	10
Pacific halibut	0	0	0	0	297	30	118
Northern rock sole	0	0	0	0	< 1	11	6
Southern rock sole	0	0	0	0	11	33	75
Flathead sole	0	0	< 1	0	0	0	0
Rex sole	4	3	1	1	0	0	0
Dover sole	6	8	1	0	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	< 1	0	0	0	< 1
Salmon	0	0	0	0	0	8	0
Skate unident.	0	0	0	0	0	0	59
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	< 1	0	< 1
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	1	2	0	0	0	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	72	17	0	0	0	0	0
Other fish	0	0	2	< 1	0	0	0
Bairdi Tanner crab	0	0	< 1	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	< 1	< 1	< 1	0	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	3	< 1	< 1	0	0	0	0
Sponge	0	0	< 1	< 1	0	0	5
Starfish	0	< 1	< 1	< 1	< 1	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	< 1	< 1	< 1	0	0	0
Other invertebrate	3	5	2	1	45	4	70
Total catch (kg)	444	808	336	199	376	199	358

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	169	170	171	172	173	174	175
Start date and time	06/29/05 21	06/30/05 07	06/30/05 09	06/30/05 11	06/30/05 14	06/30/05 15	06/30/05 17
Start latitude	N 5717.31	N 5659.42	N 5708.58	N 5712.12	N 5714.31	N 5716.86	N 5719.32
Start longitude	W 15116.48	W 15129.65	W 15129.09	W 15115.39	W 15101.51	W 15059.72	W 15059.21
End latitude	N 5718.05	N 5658.67	N 5708.24	N 5711.41	N 5714.69	N 5716.30	N 5720.12
End longitude	W 15116.100	W 15130.01	W 15130.40	W 15116.00	W 15100.20	W 15100.72	W 15059.04
Bottom depth (m)	148	207	123	147	129	111	99
Duration (minutes)	16.2	15.6	16.2	15.6	16.2	16.2	16.2
Distance fished (km)	1.504	1.472	1.484	1.477	1.522	1.48	1.518
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	22
Pacific cod	48	0	12	40	0	9	54
Walleye pollock	72	50	0	7	0	0	0
Pacific ocean perch	< 1	174	0	< 1	0	0	0
Northern rockfish	0	18	0	0	0	0	780
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	0	0	0
Shortspine thornyhead	0	52	< 1	0	0	0	0
Dusky rockfish	0	1	0	0	0	0	48
Other rockfish	0	< 1	0	0	0	0	167
Sablefish	0	149	0	23	0	0	0
Arrowtooth flounder	227	19	74	676	64	12	< 1
Pacific halibut	38	0	21	6	23	16	72
Northern rock sole	0	0	< 1	0	0	3	< 1
Southern rock sole	0	0	14	0	0	56	36
Flathead sole	15	5	0	34	< 1	0	0
Rex sole	41	23	< 1	36	0	0	0
Dover sole	5	12	0	1	0	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	3	0	0	0	0
Skate unident.	0	7	14	0	0	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	< 1	< 1
Bigmouth sculpin	0	7	0	0	0	0	9
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	0	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	0	< 1	0	0	0	14
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	< 1	0	0	0	0	0
Scallop unident.	< 1	0	0	0	0	< 1	< 1
Magistrate armhook squid	0	2	< 1	0	0	0	0
Sponge	0	0	0	0	0	0	0
Starfish	0	0	0	0	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	< 1	0	0	0	0	0
Other invertebrate	5	< 1	1	< 1	< 1	< 1	21
Total catch (kg)	451	521	141	826	87	96	1225

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	176	177	178	179	180	181	182
Start date and time	06/30/05 19	07/01/05 10	07/01/05 13	07/01/05 14	07/01/05 16	07/01/05 18	07/02/05 07
Start latitude	N 5719.76	N 5718.60	N 5724.54	N 5730.66	N 5733.98	N 5736.73	N 5725.86
Start longitude	W 15050.82	W 15047.26	W 15046.57	W 15044.57	W 15035.68	W 15049.93	W 15121.94
End latitude	N 5720.51	N 5717.99	N 5724.91	N 5729.89	N 5733.26	N 5736.76	N 5725.84
End longitude	W 15050.48	W 15047.44	W 15045.29	W 15044.86	W 15036.18	W 15048.46	W 15123.34
Bottom depth (m)	124	151	108	100	103	87	173
Duration (minutes)	15.6	12.6	16.2	15.6	15.6	16.2	15.6
Distance fished (km)	1.47	1.168	1.48	1.482	1.446	1.479	1.425
Performance	0	0	6.22	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	4	2	2	2	0	20
Walleye pollock	0	0	0	0	0	< 1	34
Pacific ocean perch	< 1	115	0	0	0	0	0
Northern rockfish	4	15	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
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	68	0	0	0	0	0
Sablefish	0	0	0	0	0	0	160
Arrowtooth flounder	117	11	13	181	540	3	286
Pacific halibut	19	16	53	33	5	80	187
Northern rock sole	0	0	5	< 1	0	< 1	0
Southern rock sole	6	0	26	31	23	7	0
Flathead sole	9	0	0	0	< 1	0	87
Rex sole	12	4	0	0	0	0	23
Dover sole	1	2	0	0	0	0	18
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	0	0	4	3	0	0	0
Skate unident.	0	0	9	0	6	9	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	10
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	0	0
Smelts	0	0	0	0	0	0	< 1
Giant grenadier	0	0	0	0	0	0	0
Other fish	0	42	< 1	0	0	< 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	< 1
Sidestripe shrimp	0	0	0	0	0	0	0
Scallop unident.	0	0	< 1	< 1	1	2	< 1
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	0	< 1	0	< 1	< 1	< 1	0
Starfish	0	0	0	0	0	< 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	0	0	0	0
Snail	0	< 1	0	0	0	0	0
Other invertebrate	5	< 1	< 1	< 1	< 1	2	1
Total catch (kg)	173	277	113	252	577	103	830

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	183	184	185	186	187	188	189
Start date and time	07/02/05 10	07/02/05 11	07/02/05 13	07/02/05 16	07/03/05 07	07/03/05 09	07/03/05 14
Start latitude	N 5727.92	N 5727.22	N 5736.65	N 5750.03	N 5732.37	N 5729.43	N 5805.97
Start longitude	W 15107.88	W 15113.07	W 15105.15	W 15033.44	W 15008.62	W 15008.99	W 14957.100
End latitude	N 5728.68	N 5727.58	N 5737.32	N 5749.29	N 5731.84	N 5728.91	N 5805.97
End longitude	W 15107.82	W 15114.39	W 15104.52	W 15033.86	W 15009.67	W 15010.07	W 14956.49
Bottom depth (m)	87	90	79	86	333	475	286
Duration (minutes)	15.6	16.2	15.6	15.6	15.6	15.6	16.2
Distance fished (km)	1.431	1.495	1.44	1.477	1.462	1.478	1.491
Performance	0	0	1.11	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	9	12	0	< 1	0	0	0
Walleye pollock	< 1	< 1	0	< 1	0	0	118
Pacific ocean perch	0	0	0	0	0	0	0
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	98	8	6
Rougheye rockfish	0	0	0	0	49	0	4
Shortspine thornyhead	0	0	0	0	40	37	35
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	0	0	0	49	58	82
Arrowtooth flounder	14	93	3	< 1	12	0	98
Pacific halibut	43	31	303	28	0	0	9
Northern rock sole	9	7	3	0	0	0	0
Southern rock sole	45	124	29	26	0	0	0
Flathead sole	0	0	0	0	0	0	< 1
Rex sole	0	0	0	0	< 1	0	1
Dover sole	0	0	0	0	4	7	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	0
Salmon	9	3	0	0	1	0	0
Skate unident.	0	0	0	0	0	0	25
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	1	20	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	< 1	0	0
Smelts	0	< 1	0	0	0	0	4
Giant grenadier	0	0	0	0	5	534	0
Other fish	< 1	< 1	0	< 1	< 1	< 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	< 1
Sidestripe shrimp	0	0	0	0	< 1	0	< 1
Scallop unident.	< 1	< 1	0	< 1	< 1	0	0
Magistrate armhook squid	0	0	0	0	0	0	< 1
Sponge	< 1	0	< 1	0	0	0	0
Starfish	< 1	3	1	0	< 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	0	0	0	0
Snail	< 1	0	0	< 1	0	< 1	0
Other invertebrate	72	20	22	7	< 1	< 1	20
Total catch (kg)	205	314	361	63	259	644	404

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	190	191	192	193	194	195	196
Start date and time	07/03/05 17	07/03/05 19	07/04/05 07	07/04/05 08	07/04/05 11	07/04/05 14	07/04/05 16
Start latitude	N 5816.74	N 5823.88	N 5831.53	N 5831.75	N 5834.30	N 5839.82	N 5841.60
Start longitude	W 14935.99	W 14937.39	W 14959.35	W 14954.17	W 14951.28	W 14945.82	W 14934.100
End latitude	N 5816.35	N 5823.44	N 5830.77	N 5831.31	N 5835.03	N 5839.70	N 5841.42
End longitude	W 14935.30	W 14936.11	W 14959.72	W 14955.40	W 14951.79	W 14947.27	W 14936.43
Bottom depth (m)	90	162	113	135	141	149	157
Duration (minutes)	10.8	16.2	15.6	15.6	15.6	15.6	15.6
Distance fished (km)	1.012	1.51	1.487	1.474	1.476	1.443	1.456
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	10	4	100	31	27	9
Walleye pollock	0	10	< 1	18	8	29	0
Pacific ocean perch	< 1	11	0	520	1095	1164	70
Northern rockfish	0	0	0	27	37	8	5
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	0	0	0	< 1	0	0
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	8	0	198	69	41	20
Other rockfish	0	0	0	0	0	0	0
Sablefish	0	15	0	3	0	11	13
Arrowtooth flounder	0	1033	211	97	84	72	131
Pacific halibut	128	15	20	22	131	17	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	11	13	37	21	6	27
Rex sole	0	26	8	30	39	20	63
Dover sole	0	10	7	85	100	47	40
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	0	0	< 1
Salmon	0	5	5	0	0	0	0
Skate unident.	0	0	0	18	11	0	28
Shark unident.	0	0	2	0	0	0	0
Yellow Irish lord	0	0	0	0	0	< 1	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	0	0
Smelts	0	0	0	< 1	0	32	13
Giant grenadier	0	0	0	0	0	0	0
Other fish	31	8	0	< 1	33	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	< 1	< 1	< 1	0	< 1
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	0	0	0	0	0	0
Starfish	< 1	< 1	< 1	< 1	< 1	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	< 1	0	0	0	0	0	0
Other invertebrate	< 1	0	< 1	< 1	0	< 1	< 1
Total catch (kg)	161	1161	272	1155	1659	1475	419

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	197	198	199	200	201	202	203
Start date and time	07/05/05 06	07/05/05 10	07/05/05 13	07/05/05 15	07/05/05 17	07/06/05 06	07/06/05 09
Start latitude	N 5841.42	N 5842.83	N 5843.74	N 5830.31	N 5837.87	N 5837.47	N 5846.02
Start longitude	W 14926.13	W 14925.12	W 14921.19	W 14911.88	W 14901.37	W 14842.33	W 14841.74
End latitude	N 5841.21	N 5842.51	N 5844.01	N 5829.53	N 5837.95	N 5837.16	N 5845.63
End longitude	W 14927.55	W 14926.47	W 14919.77	W 14911.15	W 14859.92	W 14840.98	W 14840.51
Bottom depth (m)	138	160	168	124	124	146	255
Duration (minutes)	15.6	15.6	16.2	17.4	15.6	15.6	15
Distance fished (km)	1.455	1.459	1.485	1.646	1.44	1.448	1.421
Performance	0	0	0	5.2	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	7	6	0	0	0	16	0
Walleye pollock	0	< 1	2	0	0	< 1	3
Pacific ocean perch	2628	93	43	0	< 1	< 1	3
Northern rockfish	143	6	3	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	0	< 1	0	0	0	0	2
Shortspine thornyhead	0	< 1	12	0	0	0	17
Dusky rockfish	562	43	4	0	0	0	0
Other rockfish	2	5	< 1	0	0	0	0
Sablefish	24	11	12	0	0	12	28
Arrowtooth flounder	58	104	173	319	355	38	49
Pacific halibut	21	11	0	9	78	53	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	10	0	0	0
Flathead sole	7	48	20	0	39	0	0
Rex sole	12	57	6	0	21	< 1	7
Dover sole	3	51	37	< 1	5	3	3
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	< 1	< 1	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	3	8	20	19	12	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	6	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	0	< 1
Smelts	< 1	29	15	0	0	0	< 1
Giant grenadier	0	0	0	0	0	0	0
Other fish	14	< 1	< 1	0	2	7	0
Bairdi Tanner crab	0	0	0	0	0	0	< 1
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	0	0	0	0
Sidestripe shrimp	0	< 1	< 1	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	0	0	< 1	0	7
Starfish	0	< 1	< 1	0	0	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	0	0	0	< 1
Snail	0	< 1	0	0	0	0	0
Other invertebrate	< 1	1	2	< 1	< 1	6	< 1
Total catch (kg)	3481	475	338	359	520	149	119

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	204	205	206	207	208	209	210
Start date and time	07/06/05 12	07/06/05 15	07/07/05 07	07/07/05 09	07/07/05 12	07/07/05 15	07/07/05 19
Start latitude	N 5853.96	N 5858.25	N 5852.90	N 5852.88	N 5856.07	N 5859.96	N 5900.00
Start longitude	W 14831.45	W 14801.45	W 14801.87	W 14801.94	W 14801.37	W 14750.63	W 14748.74
End latitude	N 5854.20	N 5858.70	N 5852.50	N 5852.46	N 5855.41	N 5859.76	N 5900.15
End longitude	W 14832.84	W 14800.25	W 14803.11	W 14803.16	W 14802.07	W 14752.04	W 14747.29
Bottom depth (m)	266	340	661	658	477	531	560
Duration (minutes)	15.6	15.6	15.6	15.6	15.6	15.6	15.6
Distance fished (km)	1.434	1.454	1.423	1.427	1.441	1.429	1.439
Performance	0	0	-2	0	0	0	4
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	0	0	0	0	0
Walleye pollock	5	148	0	0	0	0	0
Pacific ocean perch	15	13	8	< 1	2	< 1	5
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	33	0	0	0	0	0
Rougheye rockfish	4	455	3	0	2	0	3
Shortspine thornyhead	23	33	36	63	54	66	32
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	< 1	0	0	0	0	0
Sablefish	39	7	125	146	91	108	101
Arrowtooth flounder	7	32	0	3	8	0	0
Pacific halibut	0	0	0	0	0	0	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	9	7	0	0	2	< 1	0
Dover sole	36	22	3	15	20	32	9
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	< 1	9	0	< 1	0
Salmon	0	0	0	0	0	0	0
Skate unident.	30	4	< 1	0	1	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	< 1	0	0	0	0	0
Smelts	2	0	0	0	0	0	0
Giant grenadier	0	0	1049	2265	1174	1798	1140
Other fish	0	< 1	22	40	< 1	27	7
Bairdi Tanner crab	< 1	0	0	0	0	0	0
Golden king crab	4	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	< 1	0	0	< 1	< 1	< 1
Sponge	2	< 1	0	< 1	0	< 1	< 1
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	0	1	0	0	2	0
Snail	0	< 1	< 1	< 1	1	2	< 1
Other invertebrate	3	1	1	< 1	9	15	1
Total catch (kg)	178	757	1248	2543	1365	2055	1299

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	211	212	213	214	215	216	217
Start date and time	07/08/05 07	07/08/05 09	07/08/05 11	07/08/05 13	07/08/05 16	07/08/05 18	07/08/05 20
Start latitude	N 5902.41	N 5902.27	N 5914.63	N 5915.36	N 5927.59	N 5930.32	N 5929.31
Start longitude	W 14833.50	W 14835.62	W 14834.25	W 14840.97	W 14824.90	W 14812.18	W 14807.58
End latitude	N 5902.25	N 5902.12	N 5915.09	N 5916.12	N 5928.39	N 5930.31	N 5928.83
End longitude	W 14832.05	W 14834.10	W 14835.47	W 14841.30	W 14824.64	W 14810.67	W 14806.43
Bottom depth (m)	231	235	110	116	142	206	209
Duration (minutes)	15.6	16.2	15.6	15.6	16.2	15.6	15.6
Distance fished (km)	1.443	1.494	1.478	1.486	1.534	1.444	1.435
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	0	0	0	0	0
Walleye pollock	5	8	< 1	< 1	0	8	83
Pacific ocean perch	19	30	0	0	9	0	0
Northern rockfish	< 1	< 1	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	4	29	0	0	0	20	121
Shortspine thornyhead	40	37	0	0	0	7	13
Dusky rockfish	3	0	0	0	0	0	1
Other rockfish	< 1	0	0	0	0	0	0
Sablefish	15	21	0	0	0	5	9
Arrowtooth flounder	17	22	470	209	743	32	49
Pacific halibut	5	0	7	27	0	25	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	3	2	2	0	< 1	< 1	0
Dover sole	3	0	< 1	0	2	0	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	< 1	< 1	0	0	0	0	0
Salmon	0	0	5	0	0	0	0
Skate unident.	< 1	0	25	0	0	0	7
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	< 1	0	< 1	< 1	0
Smelts	6	8	< 1	< 1	< 1	5	5
Giant grenadier	0	0	0	0	0	0	0
Other fish	2	< 1	0	32	8	< 1	1
Bairdi Tanner crab	0	0	0	0	0	< 1	< 1
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	< 1	< 1	< 1
Sidestripe shrimp	< 1	< 1	0	0	0	5	2
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	0	0	< 1	< 1	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	< 1	0	0	0	0	0	0
Snail	0	< 1	< 1	< 1	0	< 1	0
Other invertebrate	10	14	10	4	< 1	9	2
Total catch (kg)	133	173	521	273	762	118	295

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	218	219	220	221	222	223	224
Start date and time	07/10/05 08	07/10/05 11	07/10/05 13	07/10/05 18	07/11/05 06	07/11/05 08	07/11/05 10
Start latitude	N 5926.50	N 5918.51	N 5921.39	N 5943.69	N 5948.54	N 5951.66	N 6003.00
Start longitude	W 14634.21	W 14616.43	W 14610.15	W 14548.55	W 14534.93	W 14529.54	W 14531.77
End latitude	N 5925.78	N 5917.82	N 5921.46	N 5942.97	N 5948.50	N 5952.41	N 6003.42
End longitude	W 14633.72	W 14616.99	W 14608.65	W 14548.13	W 14533.43	W 14529.29	W 14533.03
Bottom depth (m)	86	406	207	82	111	92	115
Duration (minutes)	15.6	15.6	15.6	15.6	15.6	15.6	15.6
Distance fished (km)	1.446	1.431	1.453	1.425	1.423	1.427	1.428
Performance	0	3.2	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	< 1	0	0	0	0	0	0
Walleye pollock	1	0	7	< 1	2	< 1	14
Pacific ocean perch	0	3	41	0	< 1	< 1	< 1
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	27	0	0	0	0	0
Rougheye rockfish	0	0	< 1	0	2	< 1	7
Shortspine thornyhead	0	70	31	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	4	0	< 1	0	0	0	0
Sablefish	0	49	1	0	0	0	0
Arrowtooth flounder	7	26	10	6	62	10	98
Pacific halibut	30	4	0	62	4	0	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	12	0	0	2	0	0	0
Flathead sole	< 1	0	0	0	8	6	19
Rex sole	4	3	< 1	< 1	< 1	2	17
Dover sole	4	97	27	< 1	6	< 1	19
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	6	0	< 1	0	0	0	0
Salmon	0	0	0	< 1	0	3	0
Skate unident.	0	5	0	10	13	< 1	2
Shark unident.	0	0	0	7	9	8	9
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	0	< 1	0	< 1	< 1	< 1
Smelts	< 1	0	2	0	28	3	99
Giant grenadier	0	175	0	0	0	0	0
Other fish	4	2	4	18	3	< 1	6
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	< 1	0	4
Sidestripe shrimp	0	0	< 1	0	0	0	< 1
Scallop unident.	< 1	0	0	0	< 1	0	< 1
Magistrate armhook squid	0	1	< 1	0	0	0	0
Sponge	0	0	< 1	< 1	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	0	0	0	0	0	0
Snail	0	< 1	0	0	0	0	0
Other invertebrate	< 1	15	2	1	3	< 1	< 1
Total catch (kg)	75	478	128	108	144	37	297

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	225	226	227	228	229	230	231
Start date and time	07/11/05 13	07/11/05 17	07/11/05 19	07/12/05 07	07/12/05 09	07/12/05 11	07/12/05 14
Start latitude	N 5952.64	N 5941.63	N 5937.33	N 5945.38	N 5941.45	N 5939.28	N 5937.40
Start longitude	W 14503.51	W 14425.94	W 14419.98	W 14334.77	W 14331.79	W 14324.42	W 14311.07
End latitude	N 5953.36	N 5941.66	N 5937.00	N 5945.38	N 5942.00	N 5939.27	N 5937.71
End longitude	W 14502.96	W 14424.38	W 14421.28	W 14333.23	W 14332.82	W 14322.93	W 14309.68
Bottom depth (m)	179	142	251	302	280	288	254
Duration (minutes)	16.2	16.2	15.6	15.6	15.6	15	15.6
Distance fished (km)	1.482	1.474	1.392	1.457	1.437	1.413	1.46
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	0	0	0	0	0
Walleye pollock	34	< 1	18	2	4	12	10
Pacific ocean perch	0	12	36	0	3	13	36
Northern rockfish	0	0	< 1	0	0	0	0
Shortraker rockfish	0	0	0	46	8	0	0
Rougheye rockfish	3	0	< 1	0	< 1	< 1	8
Shortspine thornyhead	7	< 1	38	27	32	25	20
Dusky rockfish	0	0	1	0	0	0	0
Other rockfish	0	0	1	0	0	0	4
Sablefish	7	0	8	22	36	36	2
Arrowtooth flounder	101	17	20	6	15	26	28
Pacific halibut	0	0	0	0	0	4	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	7	0	0	6	< 1	0	0
Rex sole	45	< 1	< 1	9	30	8	< 1
Dover sole	98	2	104	8	17	7	20
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	1	0	< 1	0	0	0	< 1
Salmon	0	0	0	0	0	0	0
Skate unident.	6	0	2	0	28	7	14
Shark unident.	23	0	2	0	8	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	3	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	0	0	0	0	0	0
Smelts	2	2	< 1	< 1	1	3	8
Giant grenadier	0	0	0	0	0	0	0
Other fish	< 1	0	< 1	0	< 1	< 1	6
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	27	< 1	0	0	0	0	< 1
Sidestripe shrimp	2	< 1	< 1	< 1	< 1	< 1	< 1
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	3	< 1	< 1	1	2
Sponge	0	0	< 1	0	0	0	< 1
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	0	0	0	0	0	0
Snail	< 1	0	< 1	< 1	0	< 1	< 1
Other invertebrate	< 1	< 1	7	6	10	7	10
Total catch (kg)	366	35	246	133	195	151	168

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	232	233	234	235	236	237	238
Start date and time	07/12/05 17	07/13/05 06	07/13/05 09	07/13/05 12	07/13/05 17	07/14/05 09	07/14/05 13
Start latitude	N 5935.59	N 5923.14	N 5920.70	N 5915.94	N 5909.73	N 5909.69	N 5925.56
Start longitude	W 14239.98	W 14209.98	W 14203.67	W 14155.26	W 14139.18	W 14040.010	W 14142.67
End latitude	N 5935.19	N 5922.59	N 5921.26	N 5916.25	N 5910.40	N 5910.27	N 5925.90
End longitude	W 14238.74	W 14208.92	W 14204.71	W 14156.58	W 14139.85	W 14041.02	W 14143.97
Bottom depth (m)	548	237	222	321	225	152	181
Duration (minutes)	15.6	15.6	15.6	15.6	15.6	15.6	15.6
Distance fished (km)	1.407	1.465	1.449	1.406	1.432	1.426	1.404
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	0	0	0	0	0
Walleye pollock	0	39	2	0	5	< 1	4
Pacific ocean perch	0	89	139	27	2957	< 1	3
Northern rockfish	0	0	0	0	12	0	0
Shortraker rockfish	0	0	0	558	6	0	0
Rougheye rockfish	0	0	0	89	1	0	4
Shortspine thornyhead	34	39	27	55	< 1	0	< 1
Dusky rockfish	0	2	7	0	62	0	0
Other rockfish	0	7	497	6	998	< 1	0
Sablefish	242	5	19	13	48	0	0
Arrowtooth flounder	0	3	3	48	46	19	27
Pacific halibut	0	3	0	0	79	21	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	1	7	7	5	5	2	0
Dover sole	15	19	6	42	1	< 1	< 1
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	< 1	1	< 1	< 1	0	< 1	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	< 1	< 1	13	28	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	< 1	< 1	< 1	0	< 1	< 1
Smelts	< 1	0	0	0	0	3	2
Giant grenadier	190	0	0	0	0	0	0
Other fish	12	3	0	64	102	3	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	< 1
Sidestripe shrimp	0	< 1	< 1	< 1	0	0	< 1
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	< 1	0	6	< 1	0	0
Sponge	0	< 1	< 1	< 1	< 1	< 1	< 1
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	0	0	0	0	0	0
Snail	< 1	< 1	< 1	< 1	0	< 1	0
Other invertebrate	< 1	4	6	4	< 1	2	< 1
Total catch (kg)	495	222	714	932	4354	54	42

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	239	240	241	242	243	244	245
Start date and time	07/14/05 16	07/14/05 18	07/19/05 08	07/19/05 11	07/19/05 15	07/19/05 17	07/19/05 19
Start latitude	N 5934.37	N 5943.28	N 5853.32	N 5846.100	N 5844.18	N 5830.02	N 5829.80
Start longitude	W 14129.05	W 14129.09	W 13847.33	W 13834.63	W 13809.31	W 13752.78	W 13737.28
End latitude	N 5934.38	N 5943.84	N 5852.59	N 5847.30	N 5843.44	N 5830.60	N 5829.51
End longitude	W 14130.56	W 14130.15	W 13847.69	W 13835.95	W 13809.45	W 13753.69	W 13738.61
Bottom depth (m)	125	58	186	122	96	147	176
Duration (minutes)	16.2	15.6	15	15	15.6	15	15
Distance fished (km)	1.451	1.463	1.423	1.41	1.413	1.416	1.418
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	8	7	0	0	0	0
Walleye pollock	2	< 1	1	0	0	6	24
Pacific ocean perch	0	0	< 1	0	0	40	46
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	< 1	0	0	0	0	2	5
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	8	27	< 1	0	0	< 1
Sablefish	0	< 1	83	< 1	0	2	4
Arrowtooth flounder	59	71	340	1	< 1	33	50
Pacific halibut	0	7	0	82	12	26	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	9	3	14	0	3	< 1	2
Rex sole	6	7	52	0	< 1	0	< 1
Dover sole	< 1	2	89	0	0	0	< 1
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	19	< 1	0	0	0	0
Salmon	0	5	0	0	5	0	0
Skate unident.	0	0	0	7	12	0	27
Shark unident.	0	28	5	2	11	112	167
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	< 1	< 1
Smelts	5	< 1	9	< 1	2	14	51
Giant grenadier	0	0	0	0	0	0	0
Other fish	9	5	5	17	88	11	3
Bairdi Tanner crab	0	0	0	0	0	0	< 1
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	2	3
Sidestripe shrimp	0	0	0	0	0	< 1	2
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	0	0	0	0	0	0	0
Starfish	1	2	< 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	0	0	0	0	0	0
Snail	0	0	< 1	0	0	0	< 1
Other invertebrate	< 1	< 1	11	4	< 1	< 1	< 1
Total catch (kg)	94	166	642	115	134	250	385

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	246	247	248	249	250	251	252
Start date and time	07/20/05 06	07/20/05 09	07/20/05 18	07/21/05 06	07/21/05 08	07/21/05 12	07/21/05 18
Start latitude	N 5824.40	N 5825.37	N 5818.26	N 5812.47	N 5817.67	N 5810.37	N 5738.67
Start longitude	W 13817.02	W 13828.85	W 13735.30	W 13706.76	W 13716.04	W 13649.67	W 13629.63
End latitude	N 5824.55	N 5825.44	N 5818.05	N 5812.10	N 5817.56	N 5809.85	N 5739.24
End longitude	W 13815.60	W 13830.25	W 13736.70	W 13708.01	W 13714.61	W 13648.64	W 13630.52
Bottom depth (m)	123	125	176	117	126	128	151
Duration (minutes)	15	15.6	15.6	15.6	15.6	15	15
Distance fished (km)	1.434	1.382	1.442	1.424	1.437	1.422	1.408
Performance	0	1.11	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	0	34	0	2	12
Walleye pollock	< 1	4	3	< 1	< 1	2	< 1
Pacific ocean perch	0	< 1	13	6	89	< 1	0
Northern rockfish	0	0	0	0	0	0	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
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	0	121	< 1	3	0	16	0
Sablefish	0	< 1	0	0	4	1	0
Arrowtooth flounder	2	23	49	164	184	251	114
Pacific halibut	14	33	0	34	8	0	2
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	1
Flathead sole	0	0	< 1	0	< 1	2	< 1
Rex sole	0	0	0	3	2	4	6
Dover sole	0	0	0	5	7	14	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	1	2	0	0	< 1
Salmon	0	4	0	0	< 1	< 1	5
Skate unident.	0	0	9	4	0	15	0
Shark unident.	5	0	10	17	24	31	8
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	< 1	0	0	0	0
Smelts	0	0	9	0	< 1	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	6	16	1	16	11	54	13
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	< 1	< 1	0	< 1
Sidestripe shrimp	0	0	< 1	0	0	< 1	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	< 1	< 1	< 1	0	0	0	0
Starfish	< 1	< 1	< 1	< 1	< 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	0	0
Snail	< 1	0	0	0	0	0	0
Other invertebrate	3	< 1	5	< 1	< 1	< 1	7
Total catch (kg)	30	204	105	288	331	393	169

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	253	254	255	256	257	258	259
Start date and time	07/22/05 06	07/22/05 09	07/22/05 11	07/22/05 16	07/22/05 18	07/23/05 06	07/23/05 08
Start latitude	N 5716.10	N 5715.61	N 5710.68	N 5645.73	N 5642.87	N 5621.71	N 5617.02
Start longitude	W 13617.95	W 13617.63	W 13612.02	W 13553.72	W 13551.32	W 13531.63	W 13530.92
End latitude	N 5716.82	N 5714.85	N 5711.35	N 5646.34	N 5643.60	N 5621.04	N 5616.31
End longitude	W 13618.28	W 13617.54	W 13612.68	W 13554.58	W 13551.70	W 13531.05	W 13530.44
Bottom depth (m)	347	341	208	214	217	194	206
Duration (minutes)	15.6	15.6	15	15	15.6	15	15
Distance fished (km)	1.408	1.436	1.431	1.458	1.453	1.412	1.434
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	28	27	50	5	30
Walleye pollock	0	1	7	5	4	8	6
Pacific ocean perch	3	14	62	42	105	316	133
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	44	127	0	0	0	0	0
Rougheye rockfish	102	91	0	0	0	0	0
Shortspine thornyhead	82	107	< 1	27	57	6	32
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	13	11	32	23	16	139	12
Sablefish	67	53	6	0	9	1	0
Arrowtooth flounder	130	157	47	12	34	25	15
Pacific halibut	0	0	4	14	0	3	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	2	3	10	6	4	1	9
Dover sole	19	21	4	3	3	6	6
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	< 1	< 1	8	< 1	3	< 1	< 1
Salmon	0	0	0	0	0	0	0
Skate unident.	6	18	0	4	8	0	0
Shark unident.	0	0	2	0	0	2	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	0	< 1	1	< 1	2	< 1
Smelts	0	0	0	< 1	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	12	51	4	17	10	14	8
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	< 1	0	0	0
Sidestripe shrimp	< 1	< 1	0	0	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	3	< 1	0	< 1	0	0	< 1
Sponge	6	12	7	3	3	10	< 1
Starfish	0	< 1	< 1	< 1	0	< 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	0	0
Snail	0	< 1	0	0	0	0	0
Other invertebrate	8	17	10	6	5	2	5
Total catch (kg)	497	686	231	193	309	539	258

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	260	261	262	263	264	265	266
Start date and time	07/23/05 11	07/23/05 16	07/23/05 18	07/23/05 19	07/24/05 09	07/24/05 13	07/24/05 14
Start latitude	N 5608.21	N 5552.84	N 5542.09	N 5543.12	N 5553.99	N 5543.57	N 5538.56
Start longitude	W 13513.71	W 13428.12	W 13423.95	W 13412.60	W 13348.31	W 13406.05	W 13409.76
End latitude	N 5608.52	N 5553.59	N 5542.78	N 5543.09	N 5554.75	N 5542.81	N 5538.81
End longitude	W 13514.98	W 13428.48	W 13424.50	W 13413.93	W 13348.62	W 13406.07	W 13408.50
Bottom depth (m)	325	86	184	151	116	163	224
Duration (minutes)	15.6	15.6	15	15	15.6	15	15
Distance fished (km)	1.454	1.461	1.437	1.413	1.472	1.402	1.424
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	< 1	24	24	174	9	68
Walleye pollock	0	< 1	26	7	26	43	236
Pacific ocean perch	31	0	24	58	< 1	26	3
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	0	0	0	0
Rougheye rockfish	14	0	0	0	0	0	< 1
Shortspine thornyhead	56	0	0	0	0	0	< 1
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	< 1	0	5	82	29	24	40
Sablefish	39	0	13	24	< 1	2	4
Arrowtooth flounder	42	< 1	34	142	403	122	98
Pacific halibut	0	15	2	25	0	0	7
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	2	0	0	0	0	0
Flathead sole	0	0	< 1	0	0	0	< 1
Rex sole	32	0	15	68	6	35	47
Dover sole	116	0	21	27	6	2	12
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	< 1	2	< 1	11	32	2	0
Salmon	0	0	8	0	3	0	0
Skate unident.	0	0	0	9	9	0	2
Shark unident.	1	0	0	0	3	2	2
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	0	0
Smelts	0	0	< 1	< 1	< 1	< 1	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	6	107	31	14	143	15	51
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	< 1	0	< 1	0	0	0	< 1
Scallop unident.	0	1	0	0	0	0	0
Magistrate armhook squid	4	0	0	0	0	0	< 1
Sponge	0	< 1	< 1	2	0	< 1	< 1
Starfish	< 1	3	< 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	0	0	0	0	0	0
Snail	0	< 1	0	0	0	0	< 1
Other invertebrate	24	9	9	32	2	10	9
Total catch (kg)	367	140	214	526	838	294	582

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	267	268	269	270	271	272	273
Start date and time	07/24/05 16	07/24/05 19	07/25/05 06	07/25/05 08	07/25/05 10	07/25/05 11	07/25/05 14
Start latitude	N 5538.54	N 5539.09	N 5533.56	N 5533.12	N 5525.79	N 5531.42	N 5535.47
Start longitude	W 13401.80	W 13351.27	W 13352.48	W 13347.14	W 13353.78	W 13411.33	W 13428.52
End latitude	N 5537.95	N 5539.83	N 5532.95	N 5533.80	N 5526.52	N 5530.68	N 5536.21
End longitude	W 13402.64	W 13351.33	W 13351.72	W 13346.54	W 13354.08	W 13411.33	W 13428.40
Bottom depth (m)	158	109	91	147	91	126	240
Duration (minutes)	15	15	15	15.6	15	15	15
Distance fished (km)	1.426	1.399	1.42	1.446	1.419	1.374	1.393
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	27	< 1	0	9	0	< 1	0
Walleye pollock	0	82	< 1	35	0	6	116
Pacific ocean perch	121	0	0	0	0	0	295
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	< 1
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	378	0	0	0	0	0	30
Sablefish	0	0	0	4	0	0	0
Arrowtooth flounder	719	40	< 1	139	< 1	17	37
Pacific halibut	21	41	41	2	174	45	4
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	3	16	< 1	7	2	0
Flathead sole	0	0	0	< 1	0	0	0
Rex sole	17	0	0	39	< 1	2	4
Dover sole	1	0	0	8	0	0	6
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	2	29	2	30	4	13	4
Salmon	0	0	0	0	5	0	0
Skate unident.	0	0	0	0	0	0	0
Shark unident.	30	0	0	11	0	3	13
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	0	0
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	35	20	14	60	66	20	126
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	0	0	0	0	0	0	0
Sponge	0	0	0	0	0	0	0
Starfish	< 1	0	0	< 1	< 1	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	< 1	0	0	0	0	0	0
Other invertebrate	4	5	8	5	10	12	9
Total catch (kg)	1355	220	81	343	267	121	643

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	274	275	276	277	278	279	280
Start date and time	07/25/05 16	07/25/05 18	07/26/05 06	07/26/05 10	07/26/05 13	07/26/05 15	07/27/05 06
Start latitude	N 5536.32	N 5540.15	N 5605.78	N 5559.44	N 5550.62	N 5548.93	N 5612.23
Start longitude	W 13437.51	W 13438.16	W 13516.54	W 13433.52	W 13450.42	W 13446.21	W 13502.23
End latitude	N 5536.30	N 5540.90	N 5605.46	N 5559.31	N 5551.38	N 5549.67	N 5612.17
End longitude	W 13436.19	W 13438.12	W 13517.74	W 13434.82	W 13450.44	W 13445.95	W 13503.53
Bottom depth (m)	244	203	334	326	190	194	177
Duration (minutes)	15	15	15.6	15	15.6	15	15
Distance fished (km)	1.403	1.399	1.41	1.398	1.415	1.422	1.373
Performance	0	0	0	0	-2.4	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	3	6	0	0	12	41	5
Walleye pollock	132	319	0	0	62	201	6
Pacific ocean perch	200	31	12	29	32	58	557
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	0	13	0	0	0
Rougheye rockfish	0	0	< 1	104	0	0	0
Shortspine thornyhead	4	0	34	19	0	0	< 1
Dusky rockfish	0	0	0	< 1	0	0	0
Other rockfish	11	72	0	1	12	4	11
Sablefish	21	9	16	19	< 1	2	11
Arrowtooth flounder	27	31	22	114	12	27	79
Pacific halibut	13	17	0	0	0	8	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	37	19	15	57	5	11	23
Dover sole	8	< 1	48	13	0	0	20
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	< 1	1	< 1	0	3	0	0
Salmon	0	0	< 1	0	0	0	4
Skate unident.	0	0	0	0	0	15	10
Shark unident.	0	6	0	0	3	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	< 1	0	0	0	< 1
Smelts	0	0	0	0	2	< 1	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	173	9	7	6	9	4	5
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	< 1	0	0	0	0
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	1	3	0	0	0
Sponge	0	0	< 1	< 1	2	< 1	< 1
Starfish	0	0	< 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	0	0	< 1	< 1	0	< 1	0
Other invertebrate	17	5	19	22	6	4	7
Total catch (kg)	646	526	176	402	160	375	741

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	281	282	283	284	285	286	287
Start date and time	07/27/05 07	07/27/05 11	07/27/05 13	07/27/05 17	07/28/05 06	07/28/05 10	07/28/05 12
Start latitude	N 5610.74	N 5555.89	N 5555.58	N 5539.77	N 5521.93	N 5459.72	N 5456.79
Start longitude	W 13456.99	W 13525.43	W 13525.67	W 13520.11	W 13424.17	W 13416.29	W 13411.98
End latitude	N 5610.74	N 5555.30	N 5556.22	N 5540.35	N 5521.83	N 5500.46	N 5457.47
End longitude	W 13458.32	W 13524.59	W 13526.33	W 13520.95	W 13422.88	W 13416.46	W 13412.25
Bottom depth (m)	185	371	402	669	189	208	195
Duration (minutes)	15	15.6	15	15.6	15	15	15.6
Distance fished (km)	1.395	1.433	1.406	1.432	1.401	1.407	1.344
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	7	0	0	0	16	110	0
Walleye pollock	2	0	0	0	9	45	< 1
Pacific ocean perch	3471	145	13	0	0	194	3
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	8	30	0	0	0	0
Rougheye rockfish	0	51	190	3	0	0	0
Shortspine thornyhead	4	85	77	23	< 1	1	1
Dusky rockfish	0	0	0	0	0	0	2
Other rockfish	17	< 1	0	0	130	22	192
Sablefish	6	10	28	70	0	3	5
Arrowtooth flounder	213	11	14	0	10	10	9
Pacific halibut	46	0	0	0	19	0	31
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	26	5	9	0	1	10	3
Dover sole	9	33	48	3	3	5	2
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	0	0	0	0	< 1	5	< 1
Salmon	< 1	< 1	0	0	0	0	0
Skate unident.	7	0	0	2	0	0	0
Shark unident.	0	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	0	< 1	0	< 1	< 1	< 1
Smelts	0	0	0	0	0	0	0
Giant grenadier	0	0	0	29	0	0	0
Other fish	59	37	11	57	136	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.	0	0	0	0	0	0	0
Magistrate armhook squid	< 1	0	0	1	0	0	0
Sponge	< 1	< 1	< 1	< 1	4	< 1	23
Starfish	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Soft coral	0	0	0	< 1	0	0	0
Stony coral unident.	0	0	0	< 1	0	< 1	0
Octopus	0	< 1	0	0	0	0	0
Snail	< 1	0	< 1	< 1	< 1	0	0
Other invertebrate	2	< 1	< 1	2	13	4	3
Total catch (kg)	3870	389	421	191	343	410	277

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	288	289	290	291	292	293	294
Start date and time	07/28/05 14	07/28/05 16	07/28/05 18	07/28/05 20	07/29/05 06	07/29/05 08	07/29/05 10
Start latitude	N 5455.87	N 5448.11	N 5447.33	N 5449.22	N 5447.63	N 5446.83	N 5443.73
Start longitude	W 13414.80	W 13411.01	W 13410.02	W 13404.89	W 13344.21	W 13352.85	W 13400.74
End latitude	N 5456.60	N 5448.72	N 5447.93	N 5448.94	N 5447.89	N 5447.01	N 5444.45
End longitude	W 13414.98	W 13411.75	W 13410.75	W 13406.010	W 13342.98	W 13354.010	W 13400.71
Bottom depth (m)	212	221	222	203	175	195	209
Duration (minutes)	15	15.6	15.6	15.6	15.6	15	15
Distance fished (km)	1.405	1.403	1.395	1.413	1.417	1.4	1.364
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	21	8	2	0	26	4	2
Walleye pollock	45	14	4	5	103	18	3
Pacific ocean perch	291	380	254	72	240	14	200
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	15	17	5	0	5	6
Dusky rockfish	0	0	0	43	0	0	6
Other rockfish	70	13	32	301	41	73	315
Sablefish	0	7	23	2	2	0	0
Arrowtooth flounder	27	18	13	5	44	18	7
Pacific halibut	0	8	0	0	7	0	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	9	3	4	3	18	17	1
Dover sole	2	3	< 1	< 1	< 1	2	2
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	3	< 1	0	0	5	< 1	0
Salmon	0	0	0	0	0	0	< 1
Skate unident.	0	0	0	4	0	0	0
Shark unident.	0	0	0	1	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	< 1	< 1	1	0	< 1	< 1
Smelts	0	0	0	0	0	< 1	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	20	109	149	20	89	65	21
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	0	0	0	0	0	0	0
Sponge	< 1	< 1	< 1	3	0	1	12
Starfish	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Soft coral	0	< 1	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	< 1	0	< 1	< 1
Other invertebrate	5	2	3	11	6	6	6
Total catch (kg)	494	581	502	476	581	224	583

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	295	296	297	298	299	300	301
Start date and time	07/29/05 12	07/29/05 15	07/29/05 17	07/30/05 06	07/30/05 07	07/30/05 10	07/30/05 12
Start latitude	N 5436.41	N 5433.84	N 5439.60	N 5442.23	N 5445.54	N 5452.22	N 5456.97
Start longitude	W 13357.81	W 13344.64	W 13346.12	W 13326.26	W 13326.69	W 13324.50	W 13334.49
End latitude	N 5436.36	N 5433.86	N 5439.59	N 5442.65	N 5445.00	N 5451.99	N 5457.22
End longitude	W 13356.50	W 13345.92	W 13344.80	W 13325.19	W 13327.62	W 13325.72	W 13335.71
Bottom depth (m)	229	249	246	210	144	145	140
Duration (minutes)	15	15	15.6	15	15	15	15.6
Distance fished (km)	1.426	1.397	1.44	1.424	1.426	1.394	1.402
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	7	3	1	13	12	3	8
Walleye pollock	13	4	58	177	2	< 1	< 1
Pacific ocean perch	416	695	248	16	0	< 1	0
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	28	13	15	8	0	0	0
Dusky rockfish	0	6	0	0	0	0	0
Other rockfish	93	2005	27	46	230	4	0
Sablefish	0	8	5	0	2	3	0
Arrowtooth flounder	7	10	3	20	140	156	492
Pacific halibut	0	0	0	9	0	12	64
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	< 1	0
Rex sole	5	2	4	3	40	11	15
Dover sole	11	3	1	< 1	1	3	3
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	2	< 1	0	0	1	0	5
Salmon	0	0	0	0	0	0	0
Skate unident.	13	< 1	< 1	0	0	0	0
Shark unident.	0	0	0	0	7	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	3	2	1	< 1	0	0	0
Smelts	0	0	0	< 1	0	< 1	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	28	9	27	93	5	3	9
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	< 1	< 1	< 1	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	< 1	< 1	0	0	0
Starfish	< 1	< 1	< 1	< 1	< 1	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	< 1	< 1	0	0	0	0	0
Other invertebrate	6	3	5	4	1	2	2
Total catch (kg)	632	2764	398	391	441	197	598

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	302	303	304	305	306	307	308
Start date and time	07/30/05 15	07/30/05 17	07/30/05 19	07/31/05 05	07/31/05 07	07/31/05 10	07/31/05 12
Start latitude	N 5453.89	N 5504.14	N 5507.03	N 5517.90	N 5509.18	N 5503.57	N 5501.42
Start longitude	W 13341.72	W 13357.05	W 13346.48	W 13342.22	W 13340.36	W 13335.89	W 13320.40
End latitude	N 5453.37	N 5503.39	N 5507.42	N 5517.19	N 5508.45	N 5503.84	N 5500.69
End longitude	W 13340.90	W 13356.92	W 13345.37	W 13341.86	W 13340.04	W 13334.66	W 13320.13
Bottom depth (m)	118	141	110	64	168	152	189
Duration (minutes)	14.4	15.6	15	15.6	15.6	15.6	15
Distance fished (km)	1.338	1.414	1.413	1.417	1.425	1.429	1.418
Performance	0	0	0	0	0	0	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	30	0	0	0	3	0
Walleye pollock	0	23	0	< 1	2	159	17
Pacific ocean perch	0	0	0	0	< 1	0	2
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	4
Shortspine thornyhead	0	0	0	0	0	0	0
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	2	0	0	0	< 1	< 1	< 1
Sablefish	0	0	0	0	4	22	0
Arrowtooth flounder	0	6	137	0	36	287	48
Pacific halibut	160	19	184	38	0	14	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	4	0	< 1	36	0	0	0
Flathead sole	0	0	0	0	< 1	4	0
Rex sole	0	2	0	0	0	56	< 1
Dover sole	0	0	0	0	< 1	3	0
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	2	0	0	< 1	< 1	51	< 1
Salmon	0	0	0	0	0	0	0
Skate unident.	0	0	0	4	0	< 1	0
Shark unident.	0	6	0	0	1	0	2
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	0	0	0	0	0	0	< 1
Smelts	0	0	0	0	4	< 1	15
Giant grenadier	0	0	0	0	0	0	0
Other fish	15	10	60	201	25	22	13
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	1	0	3
Scallop unident.	0	0	0	0	0	0	0
Magistrate armhook squid	0	0	0	0	0	0	0
Sponge	< 1	0	2	< 1	0	< 1	< 1
Starfish	< 1	0	< 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	2	2	3	< 1	4	1	2
Total catch (kg)	185	98	386	280	81	621	106

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	309	310	311	312	313	314	315
Start date and time	07/31/05 16	07/31/05 18	08/01/05 06	08/01/05 08	08/01/05 10	08/01/05 13	08/01/05 15
Start latitude	N 5453.60	N 5441.17	N 5429.06	N 5427.66	N 5430.48	N 5432.71	N 5432.19
Start longitude	W 13312.49	W 13320.78	W 13240.77	W 13247.99	W 13249.01	W 13256.66	W 13254.76
End latitude	N 5452.91	N 5441.18	N 5429.51	N 5427.57	N 5429.99	N 5433.03	N 5432.49
End longitude	W 13311.93	W 13319.49	W 13239.70	W 13246.76	W 13248.06	W 13257.83	W 13255.94
Bottom depth (m)	177	291	377	376	382	378	384
Duration (minutes)	15.6	15	15	15	15	15.6	15
Distance fished (km)	1.44	1.399	1.434	1.362	1.4	1.418	1.415
Performance	0	0	0	-2.4	0	-2.4	0
Atka mackerel	0	0	0	0	0	0	0
Pacific cod	0	0	0	0	0	0	0
Walleye pollock	7	60	0	0	0	0	0
Pacific ocean perch	< 1	4	0	0	0	0	0
Northern rockfish	0	0	0	0	0	0	0
Shortraker rockfish	0	0	5	52	0	35	4
Rougheye rockfish	0	< 1	12	7	2	21	11
Shortspine thornyhead	0	24	16	44	9	41	26
Dusky rockfish	0	0	0	0	0	0	0
Other rockfish	< 1	9	< 1	0	0	2	< 1
Sablefish	0	10	37	4	37	16	42
Arrowtooth flounder	48	20	0	2	0	0	0
Pacific halibut	2	5	0	0	0	0	0
Northern rock sole	0	0	0	0	0	0	0
Southern rock sole	0	0	0	0	0	0	0
Flathead sole	0	0	0	0	0	0	0
Rex sole	< 1	24	26	6	3	14	13
Dover sole	0	15	55	56	44	42	30
Yellowfin sole	0	0	0	0	0	0	0
Other flatfish	< 1	< 1	0	0	0	0	0
Salmon	0	0	0	0	0	0	0
Skate unident.	0	0	3	18	0	10	0
Shark unident.	< 1	0	0	0	0	0	0
Yellow Irish lord	0	0	0	0	0	0	0
Bigmouth sculpin	0	0	0	0	0	0	0
Great sculpin	0	0	0	0	0	0	0
Other sculpins	< 1	0	0	< 1	< 1	0	< 1
Smelts	17	0	0	0	0	0	0
Giant grenadier	0	0	0	0	0	0	0
Other fish	3	41	28	11	22	24	36
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	0	0	0	0
Sidestripe shrimp	3	< 1	< 1	< 1	< 1	< 1	< 1
Scallop unident.	0	0	0	0	0	0	< 1
Magistrate armhook squid	0	< 1	2	< 1	6	< 1	7
Sponge	< 1	4	2	3	3	54	10
Starfish	0	0	< 1	< 1	0	< 1	< 1
Soft coral	0	0	36	13	26	31	131
Stony coral unident.	0	0	< 1	0	0	0	0
Octopus	0	0	0	0	0	0	0
Snail	0	< 1	0	< 1	0	0	< 1
Other invertebrate	6	7	8	14	17	6	46
Total catch (kg)	87	223	232	230	171	296	357

Fishing Log: FV *Sea Storm*, Cruise 2005-01.

Haul number	316	317	318	319
Start date and time	08/01/05 17	08/01/05 19	08/02/05 06	08/02/05 09
Start latitude	N 5431.64	N 5437.84	N 5428.82	N 5425.87
Start longitude	W 13246.43	W 13252.61	W 13326.75	W 13340.48
End latitude	N 5432.01	N 5438.30	N 5428.99	N 5425.86
End longitude	W 13247.53	W 13253.61	W 13325.48	W 13339.17
Bottom depth (m)	382	287	282	209
Duration (minutes)	15	15	15	15.6
Distance fished (km)	1.391	1.39	1.432	1.421
Performance	0	0	0	0
Atka mackerel	0	0	0	0
Pacific cod	0	0	0	0
Walleye pollock	0	12	3	< 1
Pacific ocean perch	0	< 1	14	10
Northern rockfish	0	0	0	0
Shortraker rockfish	9	0	0	0
Rougheye rockfish	15	4	< 1	0
Shortspine thornyhead	10	21	10	0
Dusky rockfish	0	0	0	0
Other rockfish	< 1	27	13	198
Sablefish	44	6	8	0
Arrowtooth flounder	0	23	30	2
Pacific halibut	0	0	3	57
Northern rock sole	0	0	0	0
Southern rock sole	0	0	0	0
Flathead sole	0	0	0	0
Rex sole	9	22	54	3
Dover sole	40	61	16	< 1
Yellowfin sole	0	0	0	0
Other flatfish	0	0	2	< 1
Salmon	0	4	0	0
Skate unident.	< 1	0	0	< 1
Shark unident.	0	0	0	0
Yellow Irish lord	0	0	0	0
Bigmouth sculpin	0	0	0	0
Great sculpin	0	0	0	0
Other sculpins	0	< 1	0	0
Smelts	0	< 1	0	0
Giant grenadier	0	0	0	0
Other fish	22	18	23	< 1
Bairdi Tanner crab	0	0	0	0
Golden king crab	0	0	0	0
Red king crab	0	0	0	0
Northern shrimp	0	0	0	0
Sidestripe shrimp	< 1	< 1	< 1	0
Scallop unident.	0	0	0	0
Magistrate armhook squid	3	< 1	0	0
Sponge	3	< 1	0	9
Starfish	< 1	< 1	< 1	< 1
Soft coral	186	0	0	0
Stony coral unident.	0	0	0	0
Octopus	0	0	0	0
Snail	0	< 1	0	< 1
Other invertebrate	6	9	5	2
Total catch (kg)	348	208	183	281

Section 4

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 (147 = *FV Gladiator*, 134 = *FV Northwest Explorer* and 143 = *FV Sea Storm*)
- Average bottom depth is in meters

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska survey.

Species	Individual		Vessel	Haul	Gear depth (m)	Individual		Vessel	Haul	Gear depth (m)
	CPUE (kg/ha)	weight (kg)				CPUE (kg/ha)	weight (kg)			
Atka mackerel	1,153	1.07	147	29	98	91	0.79	143	2	82
	580	1.00	147	64	77	79	1.02	147	63	77
	319	1.20	147	18	67	72	1.09	134	42	84
	256	0.98	143	46	87	43	1.64	143	161	90
	247	0.97	147	47	88	34	1.09	147	69	77
	139	0.99	147	44	99	22	0.93	143	60	124
	118	1.23	147	19	65					
Pacific cod	1,696	11.50	147	29	98	34	2.15	147	196	72
	1,217	1.86	143	77	85	33	1.96	147	252	163
	547	1.78	143	69	56	33	2.68	147	184	189
	365	2.52	134	153	107	32	1.14	147	149	60
	189	2.18	147	192	63	32	6.89	143	147	88
	140	4.51	147	224	63	31	1.06	143	153	78
	138	2.98	147	125	62	30	2.07	143	266	224
	114	2.90	147	228	116	30	3.11	134	96	67
	109	2.80	143	27	58	30	2.82	134	95	72
	104	2.39	134	154	79	30	1.66	147	151	52
	103	2.80	134	5	34	29	4.08	143	6	105
	100	3.32	143	3	183	28	1.54	143	167	76
	98	2.28	147	103	42	28	2.33	147	147	193
	87	1.74	143	161	90	28	1.94	147	128	48
	82	3.43	147	141	97	26	2.75	147	143	236
	79	1.28	143	264	116	25	2.53	147	275	156
	69	1.54	147	183	70	24	1.96	134	171	126
	69	3.07	143	1	219	24	3.63	143	175	99
	69	2.49	147	161	165	23	3.27	143	110	122
	67	0.32	134	20	64	23	1.78	143	65	41
	62	3.06	147	126	81	23	2.83	147	188	145
	55	1.23	147	79	91	23	1.73	147	176	76
	54	1.64	134	42	84	23	3.11	134	306	124
	51	1.74	143	286	208	23	0.79	134	35	41
	49	2.70	143	124	37	23	1.16	134	288	112
	48	2.05	147	247	191	22	1.79	134	137	140
	48	4.51	147	28	47	22	1.92	147	237	88
	44	3.10	147	70	193	22	2.55	143	10	125
42	1.98	147	253	146	22	1.41	134	37	37	
42	2.18	143	193	135	22	5.45	143	152	97	
42	3.06	147	189	140	21	2.10	134	147	128	
41	1.83	143	30	98	21	2.15	143	257	217	
39	1.80	143	138	67	21	1.93	143	26	57	
38	2.24	147	168	38	21	2.64	147	197	55	
37	4.80	147	44	99	21	2.38	143	169	148	
36	5.64	134	3	107	20	3.00	147	190	131	
34	2.05	147	2	87						
Walleye pollock	974	0.91	134	22	34	451	0.82	134	3	107
	707	1.37	134	155	100	372	1.46	134	289	146
	648	1.65	134	307	117	324	0.69	147	189	140
	597	1.34	147	131	67	324	1.51	134	306	124
	565	0.87	143	24	70	316	1.54	147	141	97
	526	0.95	134	153	107	275	0.99	143	23	80
	525	1.32	134	156	103	260	1.21	143	150	142

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska 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	211	1.70	143	146	77	44	0.36	147	279	197
pollock	165	0.66	147	191	148	41	0.06	143	268	109
	164	2.17	147	125	62	41	0.43	147	261	146
	157	0.89	147	1	111	41	0.95	134	74	193
	146	0.98	143	147	88	40	0.76	143	60	124
	143	0.56	143	275	203	38	0.17	143	217	209
	142	0.83	134	294	274	38	1.17	147	164	171
	134	0.78	147	72	123	38	0.90	147	154	187
	122	1.43	147	126	81	37	1.01	147	11	171
	121	0.77	147	70	193	37	0.44	134	36	33
	121	0.94	143	152	97	36	0.56	134	205	259
	120	1.37	143	151	155	34	0.56	134	236	191
	113	0.04	147	276	147	34	0.96	134	2	142
	105	0.66	143	266	224	32	0.32	147	161	165
	97	0.99	147	190	131	32	1.24	147	147	193
	97	0.98	143	15	151	31	1.18	143	169	148
	94	0.87	147	188	145	29	0.57	134	238	189
	91	0.17	134	35	41	28	0.43	147	236	219
	89	0.82	143	42	81	27	0.88	143	84	231
	83	0.54	143	279	194	27	0.88	134	12	158
	78	0.65	143	298	210	26	0.61	143	278	190
	70	0.31	143	39	35	26	0.68	134	235	254
	70	2.04	147	133	61	26	0.72	134	107	167
	69	0.85	134	86	208	26	1.17	143	16	135
	69	0.97	147	130	86	26	0.72	143	310	291
	68	0.30	143	307	152	25	0.61	147	246	212
	66	0.82	143	55	138	25	0.36	147	176	76
	66	0.88	143	205	340	25	0.58	143	297	246
	66	0.67	143	157	43	24	0.41	147	259	149
	65	0.80	143	30	98	24	0.72	134	90	235
	63	2.20	147	132	59	24	0.91	134	56	92
	59	0.63	143	274	244	24	0.92	147	61	130
	57	0.90	143	40	61	23	0.57	134	237	197
	54	0.62	143	273	240	23	0.82	147	39	147
	53	0.05	147	264	200	22	0.57	143	265	163
	53	0.39	147	238	205	22	0.90	147	35	109
	53	0.86	143	41	61	22	0.99	143	37	132
	52	0.48	143	189	286	21	0.09	147	168	38
	49	0.80	134	38	108	21	0.53	143	286	208
	48	0.57	143	292	175	20	0.86	134	76	229
	47	0.68	147	71	123	20	0.95	143	170	207
	44	0.58	147	280	198	20	0.60	143	288	212
Pacific ocean perch	4,992	0.65	147	5	242	780	0.82	134	296	142
	1,612	0.66	147	46	255	746	0.74	147	214	206
	1,476	0.88	143	281	185	745	0.30	134	208	233
	1,461	0.77	134	141	127	744	0.62	134	282	193
	1,251	0.66	143	236	225	659	0.70	134	140	139
	1,183	0.78	143	197	138	556	0.76	143	195	149
	1,094	0.45	143	10	125	531	0.83	147	244	163
	869	0.72	147	218	207	504	0.78	134	283	134
	841	0.72	134	181	154	502	0.43	134	204	206
	780	0.38	143	98	108	489	0.68	134	199	317

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska 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	450	0.79	143	194	141	67	0.91	147	227	158
ocean	440	0.86	147	254	207	63	0.85	143	282	371
perch	418	0.84	134	239	221	63	0.49	143	259	206
	409	0.67	143	101	167	63	0.55	147	48	117
	394	0.39	147	44	99	62	0.64	134	64	211
	364	0.67	134	84	216	61	0.52	134	242	202
	335	0.61	134	81	148	61	0.40	143	177	151
	327	0.60	147	10	233	59	0.62	134	3	107
	321	0.75	134	75	188	58	0.56	143	234	222
	320	0.88	143	296	249	58	0.54	147	57	204
	302	0.59	134	143	251	57	0.44	134	61	122
	295	0.64	134	79	165	53	0.14	143	267	158
	267	0.66	147	219	118	53	0.87	147	242	152
	258	0.62	143	280	177	51	0.85	147	241	199
	242	0.52	147	252	163	51	0.33	134	207	261
	224	0.63	134	68	155	49	0.65	143	163	310
	221	0.53	134	232	294	47	0.42	143	60	124
	217	0.78	143	193	135	45	0.54	143	257	217
	212	0.77	134	107	167	44	0.54	143	105	179
	208	0.82	147	240	148	44	0.74	143	129	145
	187	0.87	143	295	229	43	0.73	147	9	226
	177	0.60	134	74	193	41	0.62	134	234	281
	167	0.67	143	289	221	41	0.41	143	165	151
	163	0.70	134	265	314	41	0.46	134	45	115
	158	0.63	143	164	230	41	0.51	134	230	293
	153	0.64	134	83	215	40	0.54	143	198	160
	142	0.68	143	258	194	40	0.55	134	205	259
	137	0.43	143	273	240	39	0.47	143	104	193
	129	0.69	147	213	191	39	0.17	143	250	126
	129	0.55	143	288	212	39	0.66	143	233	237
	123	0.67	143	99	139	38	0.53	147	257	226
	121	0.38	134	65	96	38	0.41	134	233	271
	121	0.45	134	42	84	37	0.22	134	236	191
	121	0.78	134	295	195	33	0.36	143	57	93
	120	0.60	147	215	190	32	0.44	143	196	157
	113	0.78	143	290	222	32	0.36	147	282	159
	111	0.25	143	292	175	31	0.39	143	100	105
	109	0.73	147	255	219	31	0.71	134	227	285
	108	0.36	143	297	246	31	0.66	143	291	203
	104	0.84	147	248	189	30	0.58	134	231	294
	102	0.64	134	197	308	29	0.91	147	243	206
	101	0.22	134	202	214	28	0.27	134	238	189
	100	0.58	134	221	191	28	0.31	134	237	197
	99	0.61	134	206	262	28	0.37	147	47	88
	95	0.66	143	294	209	28	0.59	143	17	229
	93	0.42	134	2	142	27	0.21	143	255	208
	91	0.38	147	13	103	27	0.33	134	195	195
	89	0.57	143	274	244	27	0.54	134	266	241
	89	0.24	143	286	208	26	0.20	143	263	151
	88	0.67	134	198	339	24	0.22	143	279	194
	86	0.45	134	235	254	24	0.55	134	281	205
	73	0.67	134	86	208	23	0.61	143	84	231
	71	0.69	143	170	207	23	0.87	147	247	191

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska 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	22	0.61	143	59	220	20	0.64	147	29	98
	22	0.37	134	292	198	20	0.36	143	3	183
	20	0.21	143	245	176	20	0.19	134	293	146
Northern rockfish	2,816	1.15	147	29	98	83	0.74	143	82	115
	1,854	0.71	143	98	108	76	1.14	147	48	117
	1,446	0.65	143	100	105	64	0.80	143	197	138
	1,356	1.00	134	45	115	62	0.76	143	57	93
	837	0.97	134	112	106	60	0.86	147	47	88
	396	0.73	134	65	96	57	0.60	143	165	151
	386	0.69	134	181	154	47	0.55	147	218	207
	385	1.04	134	61	122	45	0.93	134	31	90
	346	0.82	143	175	99	39	0.94	143	101	167
	316	0.96	143	56	95	39	0.86	147	32	76
	302	0.64	147	8	83	38	0.77	134	296	142
	292	0.88	147	44	99	26	0.86	143	50	115
	246	0.85	147	13	103	25	0.70	134	81	148
	173	0.85	147	209	128	23	0.57	147	63	77
	166	0.86	147	210	124	22	0.79	134	131	112
	100	0.89	143	60	124	22	0.94	147	56	102
	86	1.15	134	111	86	21	0.74	147	211	122
	84	0.88	143	83	113	20	0.52	143	2	82
Shortraker rockfish	258	5.69	143	128	348	22	13.02	143	312	376
	235	5.32	143	235	321	20	4.37	143	253	347
	123	3.42	134	273	384	20	5.09	143	228	302
	121	3.51	134	134	283	19	6.72	134	198	339
	99	4.72	147	46	255	18	2.04	134	258	509
	75	3.68	134	129	355	16	2.91	134	254	292
	63	3.52	134	263	399	16	5.37	134	240	375
	56	4.55	143	254	341	16	1.75	143	102	383
	56	6.40	134	199	317	16	1.70	143	89	336
	43	4.18	143	163	310	16	2.13	134	87	291
	43	2.10	134	44	383	15	2.07	143	88	378
	41	3.61	143	187	333	15	3.02	143	205	340
	33	2.81	134	48	289	15	5.84	143	314	378
	29	7.31	134	197	308	14	3.15	134	262	514
	28	3.87	147	208	291	13	3.95	134	161	381
24	2.50	134	113	327	13	4.33	143	283	402	
24	1.88	143	35	346	13	1.99	147	59	300	
Rougheye rockfish	203	1.11	143	205	340	40	1.44	143	254	341
	165	1.49	143	163	310	38	0.87	143	235	321
	97	1.44	143	128	348	29	1.29	147	59	300
	81	1.43	143	283	402	25	1.10	134	113	327
	66	1.41	143	162	357	25	1.25	134	310	152
	65	1.37	134	134	283	24	1.36	143	131	337
	55	1.33	143	217	209	23	0.86	134	168	166
	53	1.32	143	34	314	23	1.63	147	46	255
	48	2.12	143	277	326	23	0.74	134	263	399
	47	1.60	143	253	347	22	1.22	143	282	371
43	2.05	147	256	235	21	1.72	134	129	355	
43	1.48	147	45	242	21	1.43	134	48	289	

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Rougeye rockfish	20	1.16	143	187	333	14	1.36	134	255	288
	20	1.88	147	279	197	14	1.50	134	87	291
	19	1.45	143	35	346	13	1.00	143	212	235
	17	1.31	147	60	308	12	0.76	143	145	137
	15	1.34	147	208	291	12	0.61	147	281	194
	15	0.62	134	30	240	11	1.41	147	105	175
	15	0.54	147	278	196					
Shortspine thornyhead	81	0.20	147	45	242	24	0.38	147	256	235
	62	0.37	143	87	376	24	0.20	134	134	283
	58	0.27	134	44	383	24	0.23	143	89	336
	55		134	197	308	24	0.15	143	257	217
	48	0.34	143	85	388	24	0.32	134	108	637
	47	0.14	143	254	341	24	0.28	134	84	216
	47	0.20	134	113	327	24	0.32	134	48	289
	46	0.33	143	88	378	24	0.21	134	260	632
	43	0.23	134	263	399	23	0.25	143	260	325
	42	0.25	134	198	339	23	0.28	134	241	340
	41	0.16	143	36	271	23	0.16	143	235	321
	39	0.33	143	131	337	23	0.18	147	208	291
	38	0.14	143	253	347	23	0.22	134	87	291
	37	0.20	143	282	371	23	0.20	134	227	285
	37	0.21	143	52	561	22	0.38	134	167	252
	36	0.27	143	51	491	22	0.28	134	255	288
	36	0.15	134	30	240	22	0.29	134	115	400
	35	0.12	147	46	255	22	0.65	134	78	703
	35	0.16	143	54	215	22	0.27	134	64	211
	35	0.18	134	262	514	21	0.18	143	208	477
	34	0.29	134	106	470	21	0.26	143	170	207
	33	0.23	134	258	509	21	0.35	134	32	724
	33	0.24	143	283	402	21	0.20	143	132	551
	33	0.28	143	53	524	21	0.16	134	265	314
	32	0.36	134	13	539	20	0.20	143	128	348
	30	0.27	143	219	406	19	0.14	134	146	380
	30	0.21	147	59	300	19	0.17	134	143	251
	29	0.23	134	164	533	19	0.24	143	84	231
	29	0.29	134	83	215	19	0.36	147	39	147
	28	0.23	134	165	515	19	0.24	143	312	376
	28	0.19	143	102	383	18	0.20	143	211	231
	27	0.28	134	248	251	18	0.25	134	82	409
	27	0.23	134	129	355	18	0.24	134	76	229
	27	0.18	143	209	531	18	0.15	143	164	230
	27	0.37	134	226	593	18	0.25	134	291	237
	27	0.22	134	199	317	18	0.74	143	314	378
	27	0.27	143	141	271	17	0.20	143	233	237
	27	0.25	134	273	384	17	0.24	143	187	333
	27	0.21	134	259	532	16	0.31	134	240	375
	26	0.30	147	12	472	16	0.16	143	227	251
	26	0.23	147	60	308	16	0.23	143	212	235
	25	0.36	143	207	658	16	0.24	143	188	475
	25	0.24	147	58	513	15	0.20	143	259	206
	25	0.49	147	57	204	15	0.33	134	145	740
	25	0.22	134	261	627	15	0.75	143	206	661

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Shortspine thornyhead	15	0.18	143	205	340	10	0.30	143	310	291
	15	0.42	143	189	286	9	0.35	134	166	260
	14	0.22	134	163	722	9	0.25	134	160	620
	14	0.24	134	161	381	9	0.54	143	284	669
	14	0.42	134	254	292	9	0.43	143	277	326
	14	0.30	143	276	334	9	0.25	147	258	219
	14	0.29	143	232	548	9	0.20	134	207	261
	14	0.29	143	229	280	9	0.23	134	205	259
	14	0.15	143	220	207	9	0.20	134	266	241
	14	0.18	143	210	560	8	0.31	134	162	803
	14	0.22	143	9	351	8	0.29	143	126	254
	14	0.42	134	294	274	8	0.19	143	231	254
	14	0.34	134	194	783	8	0.28	147	7	404
	13	0.37	147	254	207	8	0.33	134	74	193
	13	0.22	134	242	202	8	0.20	134	206	262
	13	0.25	134	114	472	8	0.23	143	290	222
	13	0.12	143	35	346	8	0.18	134	19	337
	13	0.17	143	163	310	7	0.38	147	267	159
	13	0.35	134	33	716	7	0.28	147	266	198
	13	0.22	143	295	229	7	0.29	143	203	255
	12	0.14	143	256	214	7	0.51	134	75	188
	12	0.24	134	116	223	7	0.34	134	69	192
	12	0.26	134	109	559	7	0.44	143	10	125
	12	0.29	143	59	220	7	0.39	134	314	992
	12	0.26	143	58	290	7	0.19	134	230	293
	12	0.35	143	228	302	7	0.42	143	311	377
	12	0.34	143	34	314	7	0.42	134	193	825
	12	0.37	134	295	195	7	0.16	143	297	246
	12	0.18	134	274	234	7	0.20	143	289	221
	11	0.26	147	257	226	6	0.20	134	239	221
11	0.14	143	234	222	6	0.24	143	86	530	
11	0.22	147	40	424	6	0.39	134	105	882	
11	0.24	143	230	288	6	0.49	143	217	209	
11	0.16	147	10	233	6	0.26	147	219	118	
11	0.52	134	85	732	6	0.19	134	232	294	
11	0.19	143	162	357	6	0.17	134	228	245	
11	0.55	143	317	287	6	0.17	134	203	235	
11	0.47	143	315	384	6	0.27	134	183	194	
11	0.16	134	196	323	6	0.19	143	296	249	
10	0.33	134	173	265	6	0.18	134	268	189	
10	0.33	147	255	219	5	0.45	143	199	168	
10	0.73	134	92	235	5	0.47	134	68	155	
10	0.16	143	204	266	5	0.58	134	224	677	
10	0.16	143	17	229	5	0.45	143	316	382	
10	0.31	143	133	592	5	0.22	147	278	196	
10	0.24	134	276	206	5	0.12	134	267	215	
Dusky rockfish	1,751	1.57	134	180	116	253	1.71	143	197	138
	834	1.73	147	210	124	210	1.39	143	98	108
	665	1.58	143	100	105	205	1.59	147	209	128
	542	0.91	134	42	84	174	1.52	147	29	98
	540	1.84	134	112	106	154	1.62	147	282	159
	533	1.51	134	45	115	139	1.79	134	297	133

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Dusky rockfish	132	1.17	147	13	103	44	1.68	134	283	134
	115	1.49	134	181	154	33	1.55	134	81	148
	87	1.65	134	296	142	32	1.33	147	218	207
	83	1.73	143	193	135	29	1.80	134	298	121
	80	1.46	134	3	107	28	1.69	143	194	141
	78	0.81	147	32	76	26	1.50	143	236	225
	69	1.37	147	44	99	25	0.94	147	8	83
	63	1.79	147	48	117	23	0.78	147	63	77
	59	1.01	134	65	96	21	1.64	147	276	147
	45	1.49	143	165	151	21	1.65	143	175	99
Other rockfish	1,016	0.85	134	45	115	62	0.39	134	204	206
	922	1.87	143	296	249	59	0.46	134	221	191
	422	2.15	143	236	225	59	0.44	143	285	189
	288	1.55	147	63	77	54	1.46	143	247	125
	241	1.71	147	32	76	53	0.27	147	282	159
	226	0.67	147	48	117	49	1.81	147	64	77
	208	0.42	143	234	222	45	0.07	147	273	69
	200	0.31	147	218	207	45	1.42	134	239	221
	166	1.96	143	267	158	44	0.07	147	272	68
	156	1.55	147	65	70	42	0.41	143	295	229
	149	0.38	143	294	209	36	2.28	143	263	151
	138	0.45	147	237	88	36	0.32	143	177	151
	132	0.59	143	291	203	32	1.94	143	275	203
	123	0.32	147	219	118	32	0.50	143	293	195
	100	0.42	134	242	202	31	1.08	143	288	212
	100	0.43	147	209	128	28	2.11	134	42	84
	97	1.86	143	299	144	28	0.43	134	264	217
	90	1.41	134	231	294	26	0.96	134	65	96
	87	0.46	143	319	209	23	1.17	134	112	106
	87	0.43	134	282	193	22	1.08	134	180	116
85	0.46	143	287	195	20	0.18	147	216	130	
74	1.04	143	175	99	20	0.37	134	229	230	
65	0.49	147	210	124	20	1.40	143	298	210	
63	0.28	143	258	194						
Sablefish	397	2.41	147	214	206	83	2.56	147	254	207
	363	2.68	134	129	355	83	4.16	134	260	632
	202	3.24	147	248	189	81	3.74	143	86	530
	196	2.43	134	134	283	81	3.54	134	106	470
	173	2.69	134	173	265	77	2.62	134	87	291
	137	2.81	134	146	380	75	3.81	143	52	561
	130	2.77	134	115	400	75	2.78	147	143	236
	128	3.16	143	132	551	74	2.47	143	182	173
	126	2.90	143	128	348	73	3.65	134	78	703
	112	2.28	143	131	337	72	2.27	143	89	336
	110	2.47	147	244	163	70	2.28	147	60	308
	99	5.45	134	248	251	67	3.96	134	194	783
	99	3.97	143	232	548	65	2.47	134	225	731
	98	3.03	143	102	383	63	2.88	143	53	524
	98	2.43	147	246	212	61	2.40	143	170	207
	93	2.34	147	243	206	60	4.33	134	163	722
88	2.76	143	87	376	59	2.11	147	213	191	

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Sablefish	58	2.65	147	252	163	31	3.05	143	253	347
	58	3.94	143	207	658	31	2.83	134	273	384
	57	2.46	134	113	327	30	2.13	134	44	383
	57	3.58	134	33	716	30	3.06	134	193	825
	56	2.19	143	141	271	29	2.97	134	258	509
	54	4.17	143	88	378	29	2.61	134	82	409
	53	2.84	143	127	649	29	3.10	134	226	593
	53	2.09	134	48	289	28	2.49	143	284	669
	52	2.68	134	165	515	28	3.28	143	59	220
	52	4.80	143	206	661	28	2.97	143	51	491
	51	2.98	134	114	472	27	2.44	143	126	254
	48	2.23	147	40	424	27	1.26	143	106	155
	47	2.87	134	85	732	27	2.32	134	83	215
	45	2.02	143	151	155	27	2.43	147	58	513
	45	3.85	134	261	627	26	1.82	143	35	346
	44	3.40	134	109	559	26	2.64	134	222	680
	44	3.87	143	210	560	26	1.98	147	57	204
	44	3.87	143	209	531	25	2.79	134	164	533
	43	3.68	134	32	724	25	2.16	147	45	242
	42	2.26	143	58	290	25	1.61	147	39	147
	38	3.16	134	160	620	25	2.76	143	188	475
	38	0.58	143	241	186	25	2.15	134	64	211
	38	2.96	134	108	637	24	2.96	134	262	514
	37	2.66	134	76	229	24	3.20	147	114	246
	37	2.64	134	223	712	23	1.38	147	263	305
	36	2.58	134	167	252	23	2.26	147	255	219
	36	2.76	134	162	803	23	2.96	143	254	341
	36	2.49	143	85	388	22	2.92	147	161	165
	36	3.98	143	208	477	22	3.66	143	316	382
	36	3.56	143	189	286	21	3.04	143	219	406
	36	3.02	143	162	357	21	2.89	134	84	216
36	2.21	147	59	300	21	2.74	143	187	333	
34	3.52	143	133	592	21	1.66	143	9	351	
32	2.06	134	143	251	20	4.01	143	236	225	
32	3.11	143	163	310	20	2.05	147	12	472	
32	2.34	134	289	146	20	1.54	134	68	155	
32	3.10	134	259	532	20	4.26	134	314	992	
31	2.82	143	108	288						
Arrowtooth flounder	1,287	0.95	143	110	122	498	0.59	134	310	152
	1,148	0.88	147	228	116	482	0.54	143	107	121
	1,137	1.06	147	158	71	478	0.80	134	289	146
	960	1.15	134	51	87	466	0.80	143	106	155
	843	1.18	134	307	117	460	1.06	143	191	162
	835	0.96	134	171	126	457	1.16	134	154	79
	812	0.52	147	82	95	436	0.65	147	235	121
	697	0.72	134	272	145	432	0.66	143	148	146
	657	1.06	147	226	155	426	0.78	143	145	137
	643	0.95	147	233	128	415	0.65	143	114	78
	600	0.83	143	161	90	412	0.71	147	244	163
	574	0.54	147	93	92	411	0.75	134	127	95
	562	1.16	147	186	92	402	0.91	147	159	72
	501	1.10	143	158	99	400	1.09	147	161	165

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska 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	396	0.55	147	83	98	160	0.65	147	36	145
flounder	388	0.87	143	113	108	157	0.68	143	116	167
	388	1.03	147	246	212	155	0.86	143	138	67
	379	0.70	147	138	182	154	0.76	143	241	186
	373	0.47	147	90	104	154	0.66	147	145	178
	360	0.80	134	287	159	153	1.23	147	271	141
	350	0.77	147	243	206	153	0.79	134	142	91
	350	0.90	134	293	146	152	1.73	147	143	236
	349	0.65	147	199	145	151	0.57	147	252	163
	346	0.76	147	139	197	149	0.74	134	156	103
	340	1.59	134	248	251	149	0.57	143	201	124
	332	0.56	143	215	142	148	1.18	143	152	97
	317	0.61	143	267	158	144	1.03	134	124	143
	313	1.19	147	194	175	141	1.92	143	24	70
	305	0.59	143	115	153	141	0.80	147	185	136
	296	0.52	147	81	100	139	1.05	147	196	72
	295	0.77	143	172	147	138	0.66	147	201	98
	281	0.77	147	160	76	136	1.09	134	153	107
	276	0.61	134	120	164	136	0.52	143	70	127
	262	0.82	147	73	39	136	1.82	147	193	181
	261	0.59	147	77	100	135	0.38	143	200	124
	256	0.50	134	58	97	134	0.79	147	275	156
	254	0.42	147	91	90	134	0.59	134	141	127
	253	0.84	134	288	112	133	0.61	134	62	183
	250	0.44	147	78	99	132	1.65	143	182	173
	241	0.61	143	180	103	132	0.68	134	21	93
	238	0.76	134	219	133	131	0.54	134	122	143
	232	0.85	134	131	112	131	0.22	147	84	121
	230	1.30	147	238	205	129	0.54	134	128	94
	228	0.84	134	155	100	128	0.77	143	33	88
	228	0.62	147	239	174	127	0.92	143	151	155
	224	0.94	147	137	229	127	0.52	147	110	126
	222	0.97	143	159	94	126	0.44	147	74	53
	220	1.33	143	301	140	125	1.15	147	165	173
	209	1.46	147	141	97	125	0.65	147	149	60
	208	0.43	147	89	98	124	0.44	143	46	87
	202	0.81	147	147	193	123	0.86	143	307	152
	202	0.45	147	97	114	122	0.50	143	251	128
	201	0.76	134	125	129	122	0.78	147	107	159
	200	0.71	143	144	101	119	0.44	143	71	148
	199	0.71	143	44	139	117	1.02	143	156	128
	199	0.91	143	150	142	115	0.80	147	240	148
	197	1.15	147	113	215	114	1.04	134	110	61
	194	0.63	143	213	110	114	0.69	147	62	96
	193	0.85	134	56	92	113	0.59	143	140	130
	192	0.78	134	137	140	112	1.03	147	248	189
	187	0.79	134	111	86	111	0.52	134	304	128
	183	1.10	143	264	116	111	0.75	147	100	170
	182	1.22	134	116	223	108	1.44	143	23	80
	182	0.69	134	290	129	108	0.78	147	155	195
	176	0.76	134	306	124	108	0.58	147	111	156
	175	1.13	147	184	189	107	0.69	147	154	187
	161	0.65	147	95	166	107	0.84	147	152	191

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska 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	105	0.42	147	92	110	75	0.99	147	280	198
	103	0.94	134	313	96	75	0.26	147	109	114
	102	0.39	147	56	102	73	0.36	143	249	117
	102	1.19	147	114	246	73	0.73	147	26	94
	100	0.79	134	298	121	72	0.88	147	195	177
	99	0.81	134	88	233	72	0.50	143	22	92
	99	0.77	143	169	148	72	1.21	143	149	155
	98	0.40	134	121	145	72	0.41	143	129	145
	97	0.37	134	136	134	71	0.20	143	25	108
	97	0.64	147	242	152	70	1.22	134	130	80
	97	0.61	147	87	85	69	0.58	147	156	139
	95	0.83	147	227	158	69	0.34	147	85	105
	93	0.92	147	241	199	68	1.02	143	254	341
	93	0.79	143	69	56	66	0.81	147	234	140
	92	0.55	143	119	143	66	0.42	143	49	104
	92	0.74	134	215	163	64	1.67	143	117	256
	92	0.34	147	80	115	64	0.66	143	28	92
	91	0.90	143	281	185	64	0.37	134	179	128
	90	1.53	147	214	206	63	0.31	143	263	151
	90	0.79	134	182	160	63	0.72	134	275	136
	89	0.55	143	214	116	62	0.42	143	265	163
	89	0.71	143	192	113	62	1.52	143	304	110
	88	0.44	134	61	122	61	0.30	134	216	173
	88	0.47	147	146	66	61	1.34	147	120	253
	87	0.65	143	93	194	60	0.92	143	270	147
	86	0.41	143	75	128	60	0.61	143	12	97
	86	0.41	147	98	158	59	1.04	143	253	347
	84	0.52	134	185	159	59	1.24	147	231	124
	84	0.87	143	147	88	59	0.51	143	196	157
	83	1.04	147	43	108	59	1.19	147	192	63
	83	0.82	134	90	235	59	0.59	143	299	144
	83	0.34	134	11	78	59	0.97	147	281	194
	81	0.55	134	49	66	58	0.56	143	96	190
	81	1.31	134	286	157	58	0.61	147	108	169
	80	0.38	143	250	126	57	0.61	147	14	94
	80	0.94	134	91	247	56	1.12	143	141	271
	80	0.99	147	191	148	56	1.04	147	118	258
	80	0.45	147	88	98	56	0.44	147	106	196
	79	0.59	134	176	135	55	0.83	147	269	127
	79	0.67	134	133	143	55	1.31	143	95	258
	79	0.50	134	311	90	54	1.42	134	129	355
	79	0.51	143	179	100	54	0.76	147	105	175
	78	0.82	134	138	132	53	0.53	147	282	159
	78	1.15	147	219	118	52	1.22	143	277	326
	77	1.05	147	45	242	52	1.15	134	241	340
	76	0.51	134	169	161	52	0.35	134	123	94
	76	0.50	143	199	168	52	0.33	134	60	144
	76	0.83	147	153	191	52	0.49	143	176	124
	76	0.54	134	280	134	52	0.34	134	184	116
	76	0.39	143	300	145	52	0.59	147	103	42
	76	0.89	147	279	197	51	0.94	147	270	127
	75	0.87	147	144	212	51	1.01	147	247	191
	75	0.49	134	206	262	51	1.04	134	79	165

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska 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	51		143	139	132	39	0.24	134	24	98
flounder	50	0.22	143	252	151	38	1.72	134	134	283
	50	0.66	134	291	237	38	0.51	134	42	84
	50	0.77	147	130	86	38	0.84	134	277	116
	49	1.31	147	140	293	37	1.95	143	128	348
	48	0.57	143	97	196	37	1.16	143	118	237
	48	0.69	147	5	242	37	0.81	143	280	177
	48	0.72	147	190	131	37	0.88	134	211	175
	48	0.68	134	292	198	37	0.56	147	112	190
	48	1.05	147	119	250	36	0.65	134	149	80
	47	0.80	134	143	251	36	0.88	147	72	123
	47	0.56	147	37	142	35	1.66	147	263	305
	47	0.54	147	25	100	35	0.67	143	194	141
	47	0.58	134	312	184	35	0.61	147	126	81
	47	0.69	147	162	51	35	0.69	134	205	259
	46	0.37	143	120	53	35	0.37	134	279	180
	46	1.18	134	92	235	35	0.35	134	178	133
	46	0.34	143	45	108	34	0.44	147	205	109
	46	0.36	134	41	123	34	0.62	143	42	81
	46	0.98	147	70	193	34	0.46	143	195	149
	46	0.60	147	99	123	34	0.71	134	283	134
	45	0.87	147	232	139	33	0.76	147	30	64
	45	0.34	147	31	110	33	0.36	143	60	124
	45	0.75	143	225	179	33	0.69	147	189	140
	45	0.75	143	30	98	33	0.70	134	207	261
	45	0.49	143	198	160	32	0.49	134	168	166
	45	0.48	147	79	91	32	0.62	134	295	195
	44	1.23	134	173	265	32	0.65	147	68	128
	44	0.29	134	59	161	31	0.52	134	135	89
	44	0.55	134	271	100	31	0.73	143	240	58
	43	0.87	143	266	224	31	0.43	147	35	109
	43	0.70	143	224	115	31	0.41	147	203	107
	43	1.66	143	189	286	31	0.89	134	198	339
	43	0.55	134	29	141	30	0.79	147	267	159
	42	1.34	143	94	266	30	0.63	143	26	57
	42	0.48	147	33	85	30	0.43	134	52	152
	42	0.84	147	71	123	30	0.47	143	171	123
	41	0.49	134	170	152	30	1.13	143	155	161
	41	0.74	134	140	139	30	1.04	134	227	285
	41	1.13	147	237	88	30	0.66	134	203	235
	41	0.68	134	297	133	29	1.03	147	168	38
	41	1.18	134	294	274	29	0.35	147	151	52
	40	0.65	143	109	231	28	0.67	134	157	73
	40	0.82	147	264	200	28	0.53	143	173	129
	40	0.44	143	66	155	27	0.46	147	262	192
	40	0.92	143	55	138	27	1.41	134	146	380
	40	0.54	143	193	135	27	0.52	143	99	139
	40	0.47	143	184	90	27	0.43	143	63	84
	40	0.60	147	187	125	27	0.66	143	222	111
	40	0.35	147	150	50	27	0.60	134	302	80
	39	1.18	143	108	288	26	0.26	134	253	146
	39	0.89	134	152	72	26	0.68	147	254	207
	39	1.00	143	14	59	26	0.54	134	119	78

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska 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	26		134	197	308	22	0.43	147	278	196
	26	0.83	134	12	158	21	0.96	143	255	208
	25	0.53	134	257	190	21	0.44	143	248	176
	25	0.33	143	239	125	21	0.35	147	52	52
	25	1.43	147	27	83	21	0.37	134	63	183
	25	0.54	134	38	108	21	0.49	147	69	77
	24	0.61	147	253	146	21	0.68	147	55	132
	24	0.42	147	206	111	21	1.30	143	154	86
	24	1.25	134	94	71	21	0.39	143	130	153
	24	0.66	147	188	145	21	0.27	143	309	177
	24	1.54	134	74	193	21	1.31	134	22	34
	24	0.35	134	39	108	21	0.43	147	96	166
	24	0.56	134	181	154	20	1.28	134	166	260
	24	0.58	143	308	189	20	0.46	134	256	178
	23	0.48	134	172	233	20	0.46	143	268	109
	23	0.64	134	147	128	20	1.06	147	259	149
	23	1.08	134	107	167	20	1.03	143	236	225
	23	0.28	134	55	84	20	1.14	143	235	321
	23	1.69	143	167	76	20	1.06	147	236	219
	23	0.50	147	86	86	20	0.48	143	47	87
	23	0.33	134	177	130	20	1.32	134	68	155
	22	0.24	143	245	176	20	0.37	134	40	137
	22	0.75	147	245	181	20	0.78	147	127	51
	22	0.73	143	217	209	20	0.44	134	220	155
	22	1.48	143	203	255	20	0.19	134	210	196
	22	1.33	147	170	30	20	1.18	134	199	317
	22	1.21	147	166	43	20	0.75	143	134	158
	22	1.36	134	30	240	20	0.39	143	292	175
	22	0.30	134	201	179					
Pacific halibut	1,900	3.78	134	151	82	83	2.83	143	304	110
	767	4.30	134	284	111	81	8.01	143	190	90
	726	4.71	147	229	67	80	2.63	143	271	91
	455	3.79	147	223	46	74	4.67	134	117	67
	444	1.82	134	130	80	74	3.01	143	302	118
	365	3.53	147	230	79	71	1.34	134	43	36
	284	1.80	147	94	45	69	9.27	143	2	82
	207	1.53	147	149	60	66	4.90	134	51	87
	196	4.80	143	166	74	66	4.72	143	145	137
	166	2.88	134	243	88	64	2.63	143	33	88
	144	3.40	134	278	78	63	1.26	143	27	58
	136	2.80	147	198	71	61	7.22	134	128	94
	134	4.15	143	185	79	61	4.01	143	30	98
	118	1.16	143	24	70	60	2.80	147	224	63
	116	3.43	134	313	96	59	2.98	134	150	84
	97	4.91	143	144	101	59	2.68	134	285	72
	87	2.44	134	153	107	58	5.37	147	29	98
	87	2.50	134	213	113	58	3.08	147	197	55
	86	8.52	143	182	173	58	4.10	147	180	41
	86	16.35	147	176	76	57	8.15	143	113	108
	85	2.18	143	125	46	57	1.32	147	28	47
	85	1.64	147	76	38	56	2.87	134	148	67
	83	2.26	147	148	51	56	2.84	147	26	94

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska 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	56	4.79	147	196	72	34	7.93	143	236	225
	56	2.15	147	73	39	34	3.85	147	233	128
	55	4.07	143	168	62	34	8.90	147	40	424
	55	3.01	147	146	66	34	3.58	147	158	71
	54	1.90	134	100	49	34	2.95	147	83	98
	54	8.17	143	194	141	33	12.98	143	201	124
	53	1.85	143	14	59	33	1.86	147	162	51
	51	2.45	147	222	79	33	2.41	147	74	53
	50	2.21	143	13	59	33	11.60	143	153	78
	49	1.17	147	51	45	33	3.26	143	137	24
	49	1.49	147	163	51	32	4.01	147	32	76
	49	1.46	134	309	72	32	2.11	147	21	61
	48	3.22	147	202	77	32	2.81	147	19	65
	48	1.53	134	97	61	32	6.24	134	55	84
	48	2.79	134	54	52	32	2.10	143	23	80
	48	1.02	134	22	34	32	8.02	143	175	99
	47	2.17	143	26	57	31	1.55	143	112	49
	46	3.36	143	122	40	31	1.70	147	17	44
	46	14.91	134	264	217	31	2.15	134	212	85
	45	2.18	147	103	42	30	5.54	143	100	105
	44	7.42	134	155	100	30	4.03	134	26	80
	44	1.56	147	177	52	30	3.26	134	24	98
	44	1.76	147	66	43	29	11.40	134	81	148
	43	3.26	134	135	89	29	3.92	134	27	81
	42	2.73	134	244	97	29	2.77	134	214	121
	42	8.75	147	227	158	29	1.16	147	87	85
	42	8.19	147	225	95	29	16.05	143	301	140
	41	1.45	134	103	61	28	2.89	143	124	37
	41	4.77	147	220	91	28	1.77	143	121	58
	41	3.05	147	25	100	28	2.43	143	120	53
	41	8.01	134	56	92	28	2.84	134	142	91
	41	1.92	147	151	52	28	3.09	147	52	52
	40	16.07	147	178	77	28	2.00	147	150	50
	40	1.82	143	143	28	28	2.12	143	135	28
	39	9.42	143	92	121	28	2.94	134	5	34
	39	4.68	143	39	35	27	11.10	147	251	159
	39	6.64	134	45	115	27	15.49	143	221	82
	39	6.00	147	126	81	27	1.62	134	50	29
	38	5.85	143	242	122	27	17.25	134	180	116
	38	2.79	134	118	76	26	4.34	143	161	90
	38	3.64	143	69	56	26	5.13	134	211	175
	38	2.27	134	20	64	26	3.85	134	209	143
	37	12.47	147	276	147	26	6.60	147	81	100
	37	5.18	143	68	69	25	13.03	147	273	69
	37	0.93	134	34	29	25	17.26	134	139	74
	36	4.05	147	30	64	25	2.23	147	179	44
	36	3.96	134	119	78	25	3.36	134	57	25
	36	5.22	134	53	53	25	7.15	134	300	90
	36	5.44	147	127	51	25	28.32	143	319	209
	36	0.98	147	104	38	24	2.97	147	43	108
	35	7.37	143	32	69	24	1.99	143	64	38
	35	3.80	143	181	87	24	1.80	143	29	45
	35	1.08	147	124	33	24	3.25	147	182	30

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska 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	24	2.24	147	157	22	21	7.36	143	110	122
	24	1.20	134	49	66	21	8.07	147	242	152
	24	2.31	147	91	90	21	0.84	147	44	99
	24	3.23	147	64	77	21	1.21	134	93	69
	23	4.23	134	245	155	21	2.83	143	46	87
	23	7.06	143	76	98	21	6.95	143	44	139
	23	3.40	134	102	78	21	23.97	134	310	152
	23	10.52	143	202	146	21	6.87	134	306	124
	23	1.83	147	192	63	21	1.59	134	35	41
	23	1.26	147	183	70	21	6.30	147	132	59
	23	6.68	143	178	108	21	6.13	147	130	86
	23	2.07	134	16	78	21	4.18	147	79	91
	23	29.91	134	1	174	21	1.65	147	101	78
	22	3.19	143	272	126	20	2.95	143	269	91
	22	3.34	134	154	79	20	2.72	143	268	109
	22	5.73	143	98	108	20	5.59	147	231	124
	22	1.91	147	16	91	20	0.74	134	126	69
	22	3.45	147	13	103	20	1.83	147	22	68
	22	2.12	134	96	67	20	4.82	143	183	87
	22	4.22	143	28	92	20	6.14	147	185	136
	22	18.59	147	194	175	20	3.93	143	22	92
	22	3.91	147	159	72	20	2.52	134	308	89
	22	2.56	147	82	95	20	1.04	147	142	30
	22	16.72	134	189	56	20	2.63	147	88	98
	22	8.22	143	152	97	20	3.24	147	117	31
	21	2.15	143	111	59					
Northern rock sole	158	0.65	134	157	73	34	0.47	143	39	35
	149		134	158	56	33	0.62	147	183	70
	106	0.47	143	69	56	32	0.54	134	301	73
	99	0.65	143	138	67	31	0.36	134	37	37
	88	0.24	134	35	41	30	0.83	134	102	78
	77	0.44	134	34	29	30	0.40	143	18	94
	71	0.28	143	24	70	29	0.26	147	33	85
	65	0.66	147	76	38	29	0.37	147	26	94
	60	0.38	134	53	53	28	0.39	134	154	79
	59	0.26	143	30	98	28	0.93	134	288	112
	56	1.27	143	125	46	28	0.97	147	94	45
	56	0.98	134	5	34	27	0.51	147	192	63
	54	0.28	143	27	58	26	0.32	134	23	80
	51	0.31	134	24	98	26	0.56	147	66	43
	49	0.33	134	21	93	26	0.23	134	22	34
	48	0.56	143	64	38	25	0.37	147	34	58
	47	0.50	143	4	33	25	0.27	143	23	80
	46	0.54	147	17	44	24	0.62	134	117	67
	43	1.15	134	126	69	24	0.39	134	111	86
	43	0.23	147	28	47	23	0.80	134	309	72
	41	0.38	147	52	52	21	0.49	143	65	41
	40	0.43	143	26	57	20	0.25	147	32	76
	37	0.58	134	119	78	20	0.44	134	110	61
	37	0.58	134	36	33	20	0.29	134	20	64
	35	0.46	134	54	52	19	0.56	147	148	51
	35	0.27	134	50	29	17	0.53	134	155	100

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska 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	17	0.64	134	153	107	10	0.29	143	43	66
	17	0.38	143	144	101	10	0.91	147	176	76
	16	0.82	134	97	61	10	0.50	143	8	67
	16	0.34	143	31	75	10	0.60	134	311	90
	15	0.50	143	6	105	9	0.59	143	112	49
	15	0.41	143	161	90	9	0.37	147	53	35
	14	0.49	147	196	72	9	0.20	147	51	45
	12	0.44	147	21	61	9	0.95	147	175	77
	12	0.56	147	198	71	9	0.43	134	49	66
	12	0.35	134	57	25	9	0.44	134	17	91
	12	0.51	143	157	43	8	1.15	147	230	79
	12	0.53	147	102	32	8	0.18	143	29	45
	11	0.63	134	304	128	8	0.75	134	306	124
	10	0.39	147	30	64	8	0.53	143	142	39
	10	0.36	134	94	71					
Southern rock sole	344	0.59	147	148	51	30	1.05	143	8	67
	141	0.62	143	26	57	30	1.09	134	285	72
	96	0.70	147	94	45	29	0.63	134	130	80
	94	0.73	147	76	38	29	0.83	134	118	76
	93	0.79	147	66	43	29	0.77	143	14	59
	74	0.54	143	27	58	29	0.53	147	146	66
	65	0.60	143	161	90	29	0.57	147	74	53
	63	0.48	147	192	63	28	0.41	143	7	79
	60	0.44	134	152	72	28	0.57	147	82	95
	60	0.62	143	64	38	26	1.03	143	112	49
	59	0.84	147	197	55	26	0.74	134	117	67
	56	0.89	147	51	45	26	0.67	134	53	53
	54	0.77	134	50	29	26	1.11	134	6	63
	53	0.59	143	184	90	25	0.62	134	243	88
	48	0.85	147	34	58	25	0.82	143	69	56
	47	1.13	147	53	35	25	0.63	147	8	83
	46	0.51	134	54	52	25	0.61	147	163	51
	43	0.49	147	32	76	25	0.55	147	75	52
	43	0.52	147	151	52	25	0.59	134	284	111
	41	0.35	147	83	98	24	0.68	143	174	111
	41	0.86	134	16	78	23	0.56	143	31	75
	39	0.36	134	159	70	23	0.44	134	55	84
	39	0.41	143	43	66	23	0.76	143	12	97
	39	0.97	147	124	33	23	0.66	143	159	94
	37	0.65	147	149	60	23	0.31	134	217	53
	36	0.37	134	149	80	23	0.56	143	153	78
	36	0.93	134	71	84	22	0.86	134	94	71
36	0.66	134	302	80	22	0.68	147	87	85	
36	0.58	134	37	37	21	1.34	134	110	61	
35	1.31	147	224	63	21	0.41	143	183	87	
35	0.56	147	198	71	21	0.60	147	196	72	
35	0.75	143	168	62	21	0.76	134	303	79	
33	0.72	147	150	50	20	0.47	143	19	72	
32	0.80	143	5	72	19	1.29	143	125	46	
32	0.66	147	101	78	19	0.46	143	29	45	
31	0.25	147	67	63	19	0.79	143	6	105	
30	0.98	147	14	94	19	0.48	143	160	77	

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Southern rock sole	18	0.45	134	142	91	18	0.63	134	73	83
	18	0.89	147	16	91					
Flathead sole	277	0.31	134	307	117	34	0.17	143	41	61
	258	0.22	143	147	88					
	209	0.24	143	42	81					
	158	0.52	147	188	145					
	157	0.39	143	156	128					
	154	0.40	134	287	159					
	152	0.21	143	157	43					
	146	0.54	143	107	121					
	131	0.48	134	49	66					
	116	0.35	134	57	25					
	114	0.30	147	190	131					
	113	0.21	147	71	123					
	112	0.22	147	72	123					
	106	0.45	143	110	122					
	92	0.18	143	40	61					
	91	0.32	134	306	124					
	88	0.46	147	193	181					
	88	0.34	147	189	140					
	87	0.52	147	194	175					
	87	0.23	134	56	92					
	82	0.30	147	52	52					
	78	0.50	147	191	148					
	66	0.46	147	227	158					
	63	0.17	143	152	97					
	62	0.26	143	28	92					
	62	0.50	147	141	97					
	60	0.34	147	100	170					
	58	0.15	143	146	77					
	55	0.34	147	103	42					
	53	0.31	147	153	191					
	52	0.57	147	158	71					
	51	0.33	134	51	87					
	50	0.36	147	150	50					
	50	0.23	147	77	100					
49	0.45	147	159	72						
48	0.32	147	152	191						
48	0.16	147	55	132						
46	0.42	143	151	155						
44	0.37	147	126	81						
41	0.16	147	270	127						
41	0.21	143	44	139						
40	0.46	143	182	173						
39	0.40	147	199	145						
38	0.33	147	33	85						
37	0.60	134	272	145						
35	0.50	143	144	101						
35	0.34	147	110	126						
35	0.37	147	107	159						
34	0.70	143	62	67						

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska 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	16	0.26	143	119	143	15	0.24	143	193	135
	16	0.21	143	116	167	15	0.20	134	63	183
	16	0.29	147	242	152	15	0.49	143	21	74
	16	0.21	134	122	143	15	0.41	147	160	76
	16	0.52	147	213	191	15	0.83	143	172	147
	16	0.56	143	201	124	15	0.17	147	98	158
	16	0.29	147	156	139	14	0.31	134	169	161
	16	0.18	134	29	141	14	0.28	134	155	100
	15	0.50	143	114	78	14	0.15	143	66	155
	15	0.38	134	125	129	14	0.78	147	214	206
	15	0.18	134	121	145	14	0.29	147	78	99
	15	0.13	143	74	140	14	0.26	147	279	197
	15	0.22	143	70	127	14	0.32	147	111	156
	15	0.20	143	45	108					
	Rex sole	167	0.41	134	131	112	18	0.37	143	114
87		0.35	143	103	207	18	0.50	134	127	95
80		0.60	143	150	142	18	0.64	134	124	143
63		0.55	134	111	86	18	0.46	143	169	148
54		0.37	143	106	155	17	0.41	143	104	193
51		0.40	143	107	121	17	0.20	143	270	147
51		0.43	143	55	138	17	0.21	143	265	163
50		0.46	143	113	108	17	0.28	134	241	340
49		0.50	134	86	208	17	0.19	134	235	254
47		0.51	134	125	129	17	0.21	134	219	133
44		0.42	143	140	130	17	0.37	147	90	104
43		0.23	134	216	173	17	0.19	143	299	144
34		0.31	134	292	198	16	0.19	143	274	244
33		0.26	134	218	83	16	0.48	147	242	152
31		0.47	147	61	130	16	0.25	147	35	109
30		0.23	143	263	151	16	0.32	147	9	226
30		0.38	147	213	191	16	0.41	134	88	233
30		0.23	134	215	163	16	0.35	143	194	141
29		0.46	147	226	155	16	0.43	143	172	147
29		0.41	143	196	157	16	0.33	134	306	124
29		0.52	143	138	67	16	0.59	143	151	155
28		0.63	134	289	146	15	0.45	134	83	215
27		0.32	134	166	260	15	0.49	134	69	192
26		0.43	143	110	122	15	0.25	147	80	115
26		0.27	143	277	326	15	0.43	143	129	145
24		0.35	134	143	251	14	0.36	134	254	292
24		0.72	147	227	158	14	0.53	134	112	106
24		0.38	143	198	160	14	0.26	143	37	132
24		0.43	147	147	193	14	0.25	134	62	183
24		0.14	143	307	152	14	0.42	134	296	142
23	0.20	143	241	186	13	0.23	143	260	325	
23	0.34	134	51	87	13	0.32	134	134	283	
23	0.25	143	318	282	13	0.27	143	229	280	
21	0.24	143	266	224	13	0.52	147	194	175	
21	0.35	143	131	337	13	0.47	134	290	129	
20	0.20	143	225	179	12	0.43	143	193	135	
19	0.47	143	93	194	12	0.66	143	191	162	
19	0.71	147	199	145	12	0.51	134	76	229	

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Rex	12	0.32	147	159	72	10	0.46	147	10	233
sole	12	0.32	134	307	117	10	0.60	143	182	173
	12	0.20	134	220	155	10	0.18	134	232	294
	12	0.35	143	145	137	10	0.22	143	310	291
	12	0.39	143	134	158	9	0.19	143	275	203
	11	0.33	134	173	265	9	0.27	147	263	305
	11	0.21	134	255	288	9	0.45	143	101	167
	11	0.30	143	281	185	9	0.35	143	84	231
	11	0.26	143	280	177	9	0.30	134	115	400
	11	0.56	143	96	190	9	0.43	134	89	254
	11	0.57	134	91	247	9	0.40	143	36	271
	11	0.41	134	38	108	9	0.33	143	201	124
	11	0.26	143	317	287	9	0.33	143	195	149
	11	0.38	143	311	377	9	0.35	143	170	207
	10	0.36	134	176	135	9	0.57	134	286	157
	10	0.57	134	155	100	9	0.18	134	230	293
	10	0.64	143	105	179	9	0.30	134	181	154
Dover	139	0.78	134	241	340	18	0.95	134	248	251
sole	55	1.60	147	227	158	18	0.92	134	240	375
	50	1.05	134	254	292	18	1.06	143	196	157
	48	0.60	143	260	325	18	0.92	134	207	261
	44	0.88	143	227	251	18	0.94	143	314	378
	43	0.76	143	225	179	18	0.66	134	196	323
	41	0.85	143	219	406	18	1.11	134	267	215
	41	1.06	143	194	141	17	1.36	134	169	161
	40	0.86	143	241	186	17	0.98	143	107	121
	36	0.67	143	145	137	17	0.70	143	235	321
	35	0.91	143	193	135	16		134	131	112
	33	0.80	143	87	376	16	1.69	143	199	168
	30	0.56	134	255	288	16	0.92	134	289	146
	30	0.48	143	317	287	15	1.94	147	241	199
	29	1.42	134	129	355	15	1.01	143	204	266
	28	0.84	134	115	400	15		134	197	308
	26	1.12	134	266	241	14	0.56	143	282	371
	24	0.86	147	242	152	14	0.49	147	184	189
	24	0.86	143	312	376	14	0.65	134	205	259
	23	1.05	143	195	149	13	0.72	143	209	531
	23	0.99	143	311	377	13	0.82	134	298	121
	22	1.30	143	198	160	13	0.65	147	147	193
	21	0.90	143	113	108	13	0.89	143	315	384
	21	0.47	147	159	72	12	0.45	143	263	151
	21	0.81	134	283	134	12	0.72	147	270	127
	20	0.82	143	283	402	12	0.79	143	88	378
	20	0.65	143	276	334	12	1.06	134	106	470
	20	0.89	147	193	181	12	0.80	143	220	207
	20	0.43	134	232	294	12	0.70	134	277	116
	20	0.38	134	230	293	12	0.96	134	261	627
	20	1.03	143	316	382	11	0.77	134	146	380
	20	1.02	143	313	382	11	0.99	134	83	215
	20	0.73	134	203	235	11	1.04	134	297	133
	20	0.65	134	198	339	11	0.71	134	206	262
	19	0.73	147	141	97	11	0.82	134	185	159

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Dover sole	10	1.13	143	114	78	8	0.65	134	62	183
	10	0.85	143	93	194	8	0.56	134	51	87
	10	0.72	143	205	340	8	0.28	147	150	50
	10	0.96	147	191	148	8	1.23	134	287	159
	10	0.94	147	143	236	8	0.78	143	150	142
	10	0.80	143	131	337	7	1.17	134	258	509
	10	1.18	134	272	145	7	1.28	143	96	190
	9	0.51	143	280	177	7	0.73	143	85	388
	9	0.43	143	262	184	7	0.88	143	251	128
	9	0.78	143	254	341	7	1.28	147	243	206
	9	1.07	143	253	347	7	1.12	143	229	280
	9	0.77	143	231	254	7	1.40	134	88	233
	9	0.80	134	292	198	7	0.86	134	78	703
	9	1.11	147	59	300	7	1.12	147	199	145
	9		134	260	632	7	1.08	134	44	383
	8	1.01	143	110	122	7	1.37	134	295	195
	8	1.08	147	271	141	7	0.39	134	228	245
	8	0.49	143	233	237	7	0.30	134	218	83
	8	1.28	147	226	155	7	0.61	143	318	282
	8	0.40	143	224	115	7	0.74	134	282	193
	8	0.60	143	208	477	7	0.42	143	310	291
	8	0.95	147	213	191	7	0.85	134	263	399
	8	0.98	134	90	235	7	0.64	147	114	246
	8	1.19	143	182	173					
Yellowfin sole	312	0.39	134	57	25	43	0.41	143	146	77
	271	0.46	143	157	43	38	0.19	147	181	32
	116	0.26	143	40	61	38	0.48	147	131	67
	113	0.27	143	39	35	38	0.41	147	73	39
	108	0.52	143	147	88	31	0.93	134	56	92
	96	0.38	147	52	52	31	0.33	134	34	29
	77	0.29	143	41	61	29	0.30	147	157	22
	77	0.26	134	36	33	27	0.22	147	182	30
	69	0.42	147	150	50	24	0.16	147	169	23
	64	0.43	147	103	42	19	0.52	147	133	61
	51	0.34	143	42	81	16	0.25	147	170	30
	43	0.32	134	35	41					
Other flatfish	185	0.49	147	196	72	40	0.96	134	34	29
	159	2.28	143	23	80	37	0.60	143	136	23
	105	0.68	134	43	36	36	0.24	147	170	30
	91	2.01	147	76	38	35	0.46	147	157	22
	78	0.82	134	57	25	31	1.11	147	52	52
	60	1.36	143	24	70	29	1.32	134	22	34
	55	0.49	134	218	83	28	0.45	143	157	43
	50	2.06	134	50	29	28	1.44	134	37	37
	49	0.61	143	120	53	26	1.25	134	119	78
	49	0.61	147	169	23	24	0.41	134	96	67
	48		134	158	56	24	0.71	147	103	42
	47	0.64	143	137	24	23	0.21	147	168	38
	43	0.78	147	151	52	23	1.35	134	36	33
	41	0.81	147	150	50	23	1.20	147	73	39
	40	0.43	143	121	58	23	0.47	143	138	67

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska 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	22	0.35	143	307	152	12	0.42	134	157	73
flatfish	21	2.18	147	183	70	12	0.68	134	307	117
	20	1.95	143	147	88	12	0.23	134	302	80
	18	0.20	147	174	33	12	0.17	134	217	53
	18	0.78	147	127	51	12	0.31	143	144	101
	16	0.65	147	28	47	11	1.06	143	39	35
	15	0.71	143	268	109	11	0.38	134	301	73
	15	1.94	147	141	97	11	1.33	147	81	100
	14	0.80	143	264	116	10	0.47	134	153	107
	14	0.40	134	309	72	10	1.32	147	228	116
	13	0.53	143	270	147	10	1.28	143	40	61
	13	0.17	147	173	33	10	1.33	147	182	30
	13	0.50	134	213	113	10	1.45	134	306	124
	13	0.40	147	67	63					
Salmon	28	4.50	147	242	152	2	4.96	143	112	49
	18	3.46	134	278	78	2	3.40	143	110	122
	16	1.98	134	43	36	2	5.52	134	253	146
	12	2.28	147	131	67	2	3.99	143	280	177
	11	3.27	134	171	126	2	4.56	143	271	91
	10	4.41	147	121	54	2	3.44	143	264	116
	10	3.94	147	109	114	2	3.36	143	101	167
	8	4.59	147	159	72	2	5.14	143	252	151
	7	4.69	143	120	53	2	4.38	143	247	125
	7	2.62	134	249	81	2	2.30	143	243	96
	7	2.11	147	196	72	2	2.63	143	240	58
	7	4.94	147	158	71	2	3.96	147	241	199
	7	3.69	134	301	73	2	5.38	143	213	110
	6	5.11	147	276	147	2	4.49	147	223	46
	6	3.23	134	142	91	2	2.42	147	221	64
	6	2.62	147	151	52	2	2.64	147	3	95
	5	3.94	147	162	51	2	5.15	143	192	113
	5	3.47	147	149	60	2	5.16	143	191	162
	5	5.96	134	11	78	2	1.67	147	199	145
	4	1.58	143	262	184	2	3.39	134	54	52
	4	3.27	147	226	155	2	4.42	134	313	96
	4	2.66	147	220	91	2	3.71	147	152	191
	4	4.34	143	183	87	2	3.68	143	178	108
	4	3.94	134	311	90	2	1.83	134	302	80
	4	4.22	143	167	76	2	5.26	134	290	129
	3	3.72	143	121	58	2	4.28	134	289	146
	3	3.37	143	96	190	2	4.46	134	287	159
	3	1.71	147	31	110	2	1.86	147	147	193
	3	3.63	147	186	92	2	3.57	147	123	54
	3	7.04	147	180	41	2	4.19	147	94	45
	3	3.35	134	71	84	2	5.88	147	90	104
	3	5.57	147	163	51	2	3.52	143	317	287
	3	3.55	147	160	76	2	5.94	134	185	159
	3	5.80	147	141	97	2	1.88	147	64	77
	3	3.63	134	22	34	2	4.34	143	150	142
	2	5.47	143	122	40	2	3.82	134	16	78

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska 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	75	16.34	143	137	24	14	29.10	147	76	38
unident.	61	31.47	143	4	33	14	10.69	147	98	158
	54	26.14	147	229	67	13	13.53	143	112	49
	50	28.90	147	17	44	13	7.26	134	131	112
	49	16.84	147	141	97	13	11.81	147	43	108
	47	23.42	143	136	23	13	4.34	134	121	145
	41	28.43	143	125	46	13	13.83	143	196	157
	37	6.47	134	91	247	13	9.99	147	174	33
	34	7.66	143	108	288	13	13.90	143	159	94
	28	9.22	147	266	198	13	28.70	134	285	72
	28	8.47	147	170	30	13	6.87	134	196	323
	28	21.39	134	306	124	13	5.27	143	149	155
	27	29.47	143	168	62	12	14.39	134	171	126
	27	22.10	143	157	43	12	9.55	143	122	40
	26	6.43	134	120	164	12	3.73	143	116	167
	24	11.43	147	183	70	12	13.49	143	245	176
	23	7.62	134	282	193	12	9.45	143	236	225
	22	10.47	147	264	200	12	6.71	147	227	158
	22	8.27	147	246	212	12	7.12	143	229	280
	22	7.91	147	118	258	12	14.85	143	204	266
	21	6.82	143	95	258	12	5.57	143	3	183
	21	10.38	147	193	181	12	14.38	134	45	115
	20	45.52	147	103	42	12	7.55	147	120	253
	19	39.66	143	64	38	12	13.49	147	110	126
	19	8.00	147	148	51	11	6.10	143	101	167
	19	29.42	147	126	81	11	11.96	147	236	219
	19	7.12	134	279	180	11	12.18	143	27	58
	19	17.43	147	116	32	11	8.24	143	189	286
	18		134	158	56	11	11.16	134	53	53
	18	37.86	143	120	53	11	4.90	147	154	187
	18	6.66	143	117	256	11	5.64	134	309	72
	18	4.19	147	275	156	11	8.59	134	195	195
	18	11.40	147	191	148	11	9.20	134	182	160
	18	34.82	143	5	72	10	11.24	143	119	143
	18	10.60	147	96	166	10	7.69	147	248	189
	17	13.19	147	212	112	10	8.24	143	213	110
	17	18.16	143	7	79	10	11.71	147	153	191
	17	4.88	147	155	195	10	8.15	134	206	262
	17	15.05	147	150	50	10	20.36	143	147	88
	16	2.32	147	218	207	10	11.30	147	280	198
	16	4.54	134	90	235	9	10.80	134	155	100
	15	8.80	147	269	127	9	4.35	143	115	153
	15	8.05	143	94	266	9	15.91	147	216	130
	15	9.50	147	196	72	9	7.66	134	92	235
	15	3.69	147	140	293	9	20.25	143	46	87
	15	17.07	134	272	145	9	5.96	147	199	145
	14	8.17	147	267	159	9	8.03	147	195	177
	14	5.43	147	263	305	9	9.07	147	178	77
	14	2.98	147	252	163	9	2.99	147	168	38
	14	2.92	147	251	159	9	10.12	134	310	152
	14	17.01	147	200	83	9	5.69	147	84	121
	14	13.92	147	149	60	9	10.64	134	202	214
	14	10.79	147	95	166	9	6.99	134	284	111

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska 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	9	7.26	134	268	189	6	7.50	143	279	194
unident.	9	4.25	147	106	196	6	4.49	147	276	147
	8	6.20	134	253	146	6	6.49	147	261	146
	8	8.89	143	90	89	6	2.92	147	253	146
	8	4.62	143	254	341	6	13.66	143	99	139
	8	6.42	147	247	191	6	13.45	143	91	89
	8	6.91	147	241	199	6	7.21	147	250	142
	8	19.89	147	44	99	6	6.65	134	117	67
	8	3.01	134	125	129	6	6.95	134	107	167
	8	16.70	147	225	95	6	14.31	147	29	98
	8	16.84	134	98	36	6	6.84	143	231	254
	8	9.68	143	201	124	6	6.61	143	222	111
	8	9.92	143	200	124	6	14.40	147	26	94
	8	9.10	143	193	135	6	12.60	134	86	208
	8	16.75	147	190	131	6	14.20	134	61	122
	8	8.92	134	64	211	6	11.69	147	158	71
	8	16.38	134	301	73	6	6.85	143	171	123
	8	8.58	134	38	108	6	9.97	134	308	89
	8	9.28	134	288	112	6	7.32	134	287	159
	8	4.61	147	143	236	6	14.38	147	130	86
	8	1.63	147	139	197	6	6.99	147	75	52
	8	11.44	147	73	39	6	5.18	134	185	159
	8	5.87	143	312	376	6	13.06	143	295	229
	8	19.68	143	148	146	6	4.14	147	119	250
	8	20.28	147	113	215	6	14.22	147	101	78
	7	16.25	134	176	135	5	4.45	134	170	152
	7	15.60	143	121	58	5	5.66	134	257	190
	7	16.24	143	114	78	5	5.03	143	280	177
	7	3.24	147	257	226	5	12.98	134	153	107
	7	5.97	147	256	235	5	5.36	147	268	87
	7	17.24	143	83	113	5	11.80	134	133	143
	7	14.66	143	251	128	5	12.02	143	243	96
	7	16.60	147	51	45	5	12.54	143	235	321
	7	8.43	147	45	242	5	14.00	147	237	88
	7	8.53	143	71	148	5	6.10	147	234	140
	7	14.91	147	223	46	5	6.40	134	118	76
	7	16.24	147	217	155	5	5.22	134	111	86
	7	1.60	147	206	111	5	11.32	134	102	78
	7	5.52	147	202	77	5	2.45	147	201	98
	7	3.54	134	88	233	5	11.33	147	25	100
	7	16.56	143	41	61	5	6.07	143	202	146
	7	14.02	134	50	29	5	10.96	143	194	141
	7	12.20	147	163	51	5	6.46	134	60	144
	7	12.13	147	159	72	5	2.12	134	314	992
	7	4.14	134	289	146	5	10.13	143	161	90
	7	8.78	147	80	115	5	12.12	143	158	99
	7	7.80	143	142	39	5	11.43	143	156	128
	7	16.16	134	179	128	5	13.05	134	297	133
	7	15.80	134	178	133	5	13.10	134	295	195
	7	4.39	147	282	159	5	12.02	147	125	62
	7	5.59	147	114	246	5	6.07	134	205	259
	6	12.95	143	110	122	5	5.49	134	192	140
	6	7.02	134	254	292	5	6.27	147	55	132

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska 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	5	11.38	134	283	134	4	0.69	147	204	114
unident.	5	1.65	134	276	206	4	8.40	134	81	148
	5	13.36	134	5	34	4	8.87	143	181	87
	5	4.04	147	279	197	4	10.42	147	198	71
	5	12.65	147	105	175	4	4.61	147	188	145
	5	11.83	147	100	170	4	2.10	147	173	33
	5	6.28	147	99	123	4	9.85	147	165	173
	4	9.44	134	168	166	4	9.25	143	178	108
	4	9.40	134	157	73	4	9.57	134	305	123
	4	5.20	134	156	103	4	9.42	134	300	90
	4	9.95	143	113	108	4	8.39	134	41	123
	4	9.12	143	264	116	4	5.30	134	293	146
	4	9.04	143	263	151	4	2.58	147	138	182
	4	9.23	134	151	82	4	9.26	147	136	64
	4	9.00	143	248	176	4	8.35	147	135	26
	4	4.85	147	226	155	4	5.07	143	314	378
	4	5.26	147	38	147	4	4.43	134	191	150
	4	3.47	134	124	143	4	10.00	134	278	78
	4	9.08	134	119	78	4	5.49	134	264	217
	4	5.36	143	55	138	4	8.88	147	115	32
	4	10.28	143	221	82					
Shark	166	376.00	143	28	92	27	58.00	143	76	98
unident.	147	2.07	147	229	67	25	56.00	147	190	131
	146	334.00	134	90	235	24	56.00	143	30	98
	87	99.00	147	143	236	22	2.07	147	186	92
	84	180.00	134	110	61	18	38.62	143	14	59
	81	200.00	134	91	247	18	50.00	147	73	39
	73	7.61	147	271	141	17	6.25	147	176	76
	72	2.11	143	245	176	16	37.00	143	25	108
	70	156.00	147	145	178	16	2.31	134	210	196
	66	148.00	147	152	191	15	2.55	143	251	128
	51	118.00	143	113	108	14	1.80	147	268	87
	49	2.20	143	244	147	14	3.33	147	169	23
	44	2.17	147	224	63	13	1.21	143	267	158
	44	2.08	147	196	72	13	3.15	143	240	58
	43	29.94	147	223	46	13	2.10	134	269	92
	43	100.00	134	29	141	12	29.02	147	33	85
	37	40.00	143	27	58	12	3.16	134	288	112
	34	37.80	147	36	145	11	23.90	143	110	122
	31	78.00	147	140	293	11	2.85	134	250	132
	31	76.00	147	137	229	10	1.48	143	250	126
	30	2.74	134	256	178	10	1.68	143	225	179
	28	74.00	143	94	266	9	2.89	147	174	33
	28	42.00	147	32	76					
Yellow	84	0.57	147	21	61	22	0.60	134	155	100
Irish	42	0.73	147	18	67	22	0.66	147	51	45
Lord	29	0.75	134	34	29	22	0.51	147	122	54
	24	0.63	143	13	59	19	0.63	143	161	90
	23	0.63	147	22	68	15	0.70	147	176	76
	23	0.51	143	30	98	15	0.64	134	20	64
	23	0.73	143	14	59	14	0.80	147	53	35

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Yellow	14	0.53	143	154	86	9	0.58	143	184	90
Irish	13	0.75	147	2	87	8	0.57	143	39	35
Lord	13	0.74	134	36	33	8	0.59	143	2	82
	12	0.52	134	154	79	7	0.72	147	34	58
	12	0.67	143	24	70	6	0.54	147	32	76
	12	0.71	143	23	80	6	0.70	134	24	98
	11	0.75	143	64	38	5	0.45	143	63	84
	11	0.54	134	35	41	5	0.55	134	55	84
	9	0.60	134	159	70	5	0.51	147	123	54
Bigmouth sculpin	9	20.19	134	75	188	3	7.00	143	170	207
	9	7.35	147	113	215	3	6.58	147	95	166
	7	8.30	134	171	126	3	7.95	143	129	145
	7	8.06	147	111	156	3	7.76	147	279	197
	6	13.56	143	57	93	3	6.72	147	114	246
	6	7.77	134	76	229	2	4.72	134	176	135
	6	10.68	134	291	237	2	4.56	143	128	348
	5	6.53	147	257	226	2	2.50	134	120	164
	5	9.90	143	182	173	2	2.12	143	30	98
	5	11.17	134	62	183	2	3.52	143	6	105
	4	9.16	147	215	190	2	4.20	147	161	165
	4	8.70	134	86	208	2	5.55	134	292	198
	4	8.47	143	2	82	2	5.68	147	77	100
	4	9.64	147	160	76	2	5.10	147	59	300
	4	9.21	143	175	99	2	2.33	147	100	170
	4	7.88	134	289	146	2	3.59	147	96	166
	3	6.41	134	173	265	1	3.22	143	227	251
	3	7.68	134	167	252	1	2.66	134	88	233
	3	5.94	143	104	193	1	2.98	147	189	140
	3	3.95	147	263	305	1	0.67	143	156	128
	3	7.21	147	248	189	1	1.82	134	48	289
	3	3.77	147	245	181	1	1.78	147	75	52
	3	8.03	147	244	163	1	3.51	147	71	123
	3	5.74	143	61	87	1	2.70	143	141	271
	3	7.15	134	83	215	1	3.22	134	266	241
	3	6.03	143	198	160					
Great sculpin	30	2.79	147	18	67	4	1.95	143	13	59
	23	1.98	147	141	97	3	6.28	134	155	100
	18	3.32	147	21	61	3	5.87	147	29	98
	11	4.05	147	19	65	3	1.86	134	56	92
	10	1.86	143	42	81	3	1.62	143	14	59
	10	1.79	143	40	61	3	2.88	134	311	90
	9	2.16	147	183	70	3	1.87	147	150	50
	7	3.16	134	156	103	3	0.88	134	36	33
	7	1.44	134	307	117	3	1.35	134	35	41
	6	2.31	143	156	128	3	2.08	134	34	29
	6	2.83	147	130	86	3	4.11	147	71	123
	5	0.97	143	39	35	3	3.36	147	69	77
	5	2.20	147	190	131	3	2.53	143	145	137
	5	2.37	147	128	48	2	4.20	134	128	94
	4	1.58	143	64	38	2	2.54	147	32	76
	4	1.13	143	41	61	2	2.10	134	119	78

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska survey.

Species	Individual		Vessel	Haul	Gear depth (m)	Individual		Vessel	Haul	Gear depth (m)
	CPUE (kg/ha)	weight (kg)				CPUE (kg/ha)	weight (kg)			
Great sculpin	2	2.10	134	117	67	2	3.42	147	122	54
	2	3.45	143	67	72	2	2.54	147	72	123
	2	2.39	143	46	87	2	4.49	143	150	142
	2	1.18	147	188	145	2	3.65	143	138	67
	2	0.88	134	57	25	2	0.72	134	20	64
	2	3.76	143	161	90	2	1.77	134	11	78
Other sculpins	14	0.80	147	182	30	2	0.51	147	21	61
	11	1.12	147	181	32	2	1.17	134	50	29
	11	1.07	143	157	43	2	1.14	143	147	88
	9	1.36	147	133	61	1	0.05	143	258	194
	9	1.01	147	132	59	1	0.04	147	46	255
	8	0.90	147	52	52	1	0.04	147	45	242
	7	0.14	147	4	253	1	0.55	147	23	86
	6	1.00	147	129	56	1	0.08	147	163	51
	5	0.85	147	131	67	1	0.10	143	164	230
	5	1.21	143	146	77	1	1.52	143	156	128
	4	0.15	143	3	183	1	0.04	134	30	240
	4	1.26	147	157	22	1	0.08	147	146	66
	4	0.10	147	57	204	1	0.33	147	130	86
	3	0.08	143	54	215	1	0.65	147	128	48
	3	0.44	147	18	67	1	0.06	134	221	191
	3	0.08	134	64	211	1		147	74	53
	3	1.15	134	57	25	1	1.71	143	152	97
	3	0.12	143	1	219	1	0.07	143	297	246
	3	0.59	147	168	38	1	0.06	143	296	249
	3	0.73	134	35	41	1	0.07	143	295	229
2	0.94	143	71	148	1	0.05	143	291	203	
2	0.08	143	59	220	1	0.07	134	1	174	
Smelts	154	0.03	147	195	177	15	0.04	147	154	187
	89	0.03	147	152	191	14	0.04	147	119	250
	86	0.03	147	145	178	13	0.03	147	156	139
	47	0.04	147	147	193	12	0.02	143	222	111
	43	0.02	143	224	115	12	0.02	143	198	160
	41	0.03	134	203	235	10	0.02	147	269	127
	39	0.02	134	92	235	9	0.03	134	168	166
	27	0.04	134	122	143	9	0.02	147	254	207
	25	0.02	147	138	182	9	0.04	147	153	191
	23	0.03	134	121	145	9	0.04	147	120	253
	23	0.03	147	281	194	9	0.03	147	108	169
	22	0.03	134	166	260	9	0.02	147	100	170
	22	0.03	143	245	176	8	0.03	134	173	265
	22	0.02	147	139	197	8	0.02	143	97	196
	22	0.03	147	118	258	8	0.02	134	88	233
	21	0.03	147	270	127	8	0.03	147	164	171
	21	0.02	147	106	196	8	0.03	134	295	195
	20	0.03	134	205	259	8	0.02	143	309	177
15	0.03	143	195	149						
Giant grenadier	1,924	2.64	143	51	491	898	2.18	143	207	658
	1,406	2.75	134	44	383	888	2.66	143	53	524
	1,114	3.36	134	106	470	734	2.40	143	209	531

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Giant	621	2.88	134	165	515	121	2.51	147	40	424
grenadier	540	2.78	143	86	530	116	2.15	134	261	627
	516	2.57	134	82	409	106	2.01	134	163	722
	512	2.75	143	85	388	105	3.36	134	85	732
	499	2.42	143	210	560	105	3.00	143	133	592
	458	2.48	143	208	477	102	3.13	143	9	351
	438	2.06	143	206	661	99	3.78	134	258	509
	425	2.47	134	114	472	98	3.46	134	78	703
	418	3.00	143	87	376	85	3.09	147	12	472
	340	2.11	134	164	533	84	2.72	134	32	724
	329	3.35	134	115	400	80	2.20	134	160	620
	312	2.48	143	132	551	80	2.81	134	105	882
	292	2.48	134	33	716	77	2.93	143	89	336
	286	2.59	143	52	561	77	1.94	143	232	548
	278	3.25	134	113	327	74	3.57	143	219	406
	267	2.79	143	88	378	67	1.05	134	226	593
	267	3.10	143	36	271	66	3.69	143	131	337
	256	3.76	134	87	291	61	2.39	134	314	992
	255	3.00	143	35	346	57	3.25	134	273	384
	237	3.51	134	48	289	50	3.73	134	146	380
	226	2.63	143	188	475	49	3.19	134	104	883
	226	3.00	134	262	514	49	2.03	134	193	825
	218	1.94	134	260	632	37	2.25	134	162	803
	208	2.45	134	13	539	36	2.11	134	144	827
	177	3.18	143	34	314	36	3.47	147	60	308
	176	3.41	134	129	355	30	3.60	143	162	357
	148	3.10	147	7	404	30	4.83	134	30	240
	148	1.82	134	194	783	29	3.91	147	59	300
	142	3.15	147	58	513	21	1.76	134	145	740
	132	2.37	134	109	559	21	3.94	143	102	383
	132	2.83	134	108	637	20	4.08	134	161	381
	128	2.81	134	259	532					
Other	576	0.08	134	217	53	38	0.12	134	105	882
fish	118	7.57	147	229	67	38	1.87	134	45	115
	97	0.43	143	305	64	35	6.08	134	213	113
	87	0.74	134	233	271	35	3.66	134	212	85
	80	0.80	134	235	254	32	0.11	134	108	637
	77	0.75	143	274	244	32	2.04	147	18	67
	66	0.66	143	290	222	30	0.41	143	271	91
	65	0.52	143	264	116	29	0.73	134	234	281
	61	0.69	143	285	189	29	0.80	134	230	293
	58	0.74	143	273	240	29	0.73	143	293	195
	57	3.02	134	243	88	28	0.08	134	218	83
	51	0.33	134	314	992	27	0.15	134	145	740
	48	0.65	143	289	221	27	0.47	143	235	321
	46	0.60	143	261	86	27	0.04	147	181	32
	43	5.66	143	236	225	27	0.53	143	304	110
	41	1.06	143	298	210	26	0.12	143	270	147
	41	0.61	143	292	175	26	5.40	143	251	128
	40	5.57	147	276	147	26	0.13	134	32	724
	40	0.16	134	225	731	25	5.92	143	281	185
	38	0.08	143	243	96	23	0.08	143	284	669

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska 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	23	0.27	143	266	224	22	0.13	134	104	883
	23	3.41	134	42	84	22	0.14	134	78	703
	22	0.99	143	254	341	22	3.53	143	177	151
	22	3.60	147	47	88	21	0.18	143	51	491
	22	1.19	147	44	99	20	3.03	147	29	98
Bairdi tanner crab	13	0.95	143	156	128	1	0.09	143	116	167
	10	0.47	147	126	81	1	0.21	147	264	200
	7	0.46	143	155	161	1	0.15	147	261	146
	5	0.96	147	130	86	1	0.44	134	129	355
	5	0.80	143	150	142	1	0.10	134	124	143
	4	0.08	134	120	164	1	0.18	134	122	143
	4	0.45	143	42	81	1	0.12	143	41	61
	4	0.19	147	189	140	1	0.20	143	40	61
	4	0.09	147	173	33	1	0.10	147	174	33
	4	0.43	147	165	173	1	0.07	134	62	183
	4	0.63	143	152	97	1	0.15	134	52	152
	4	0.63	143	151	155	1	0.12	147	156	139
	3	0.31	134	156	103	1	0.11	147	154	187
	3	0.03	147	168	38	1	0.06	147	153	191
	3	0.39	147	131	67	1	0.07	147	152	191
	3	0.54	147	72	123	1	0.13	147	140	293
	3	0.41	143	149	155	1	0.08	147	139	197
	2	0.13	134	121	145	1	0.37	147	129	56
	2	0.59	147	195	177	1	0.51	147	128	48
	2	0.19	147	194	175	1	0.62	147	127	51
	2	0.33	147	193	181	1	0.19	147	84	121
	2	0.44	134	310	152	1	0.57	143	146	77
	2		147	133	61	1	0.39	134	11	78
2	0.60	147	132	59	1	0.09	147	110	126	
2	0.19	147	95	166	1	0.07	147	108	169	
2	0.61	147	100	170	1	0.04	147	105	175	
2	0.14	147	96	166	1	0.09	147	98	158	
1	0.13	143	117	256						
Golden king crab	2	1.97	143	204	266	1	2.44	147	60	308
	1	0.94	134	113	327	0	0.08	143	315	384
	1	1.40	147	219	118	0	0.00	134	19	337
	1	2.23	147	218	207	0	0.01	134	1	174
Red king crab	10	3.94	147	126	81	3	1.90	147	132	59
	6	2.22	147	133	61					
Northern shrimp	12	0.01	143	225	179	3	0.00	147	257	226
	8	0.01	147	100	170	3	0.00	147	152	191
	7	0.01	143	156	128	2	0.01	147	248	189
	6	0.01	147	190	131	2	0.00	147	243	206
	5	0.01	147	189	140	2	0.00	143	224	115
	4	0.01	147	193	181	2	0.01	147	155	195
	4	0.01	147	188	145	2	0.01	147	141	97
	4	0.01	147	154	187	2	0.00	147	113	215
	4	0.01	147	153	191	1	0.00	147	258	219

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska 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 shrimp	1	0.00	147	256	235	1	0.00	147	156	139
	1	0.01	147	254	207	1	0.01	134	306	124
	1	0.00	143	97	196	1	0.00	134	40	137
	1	0.00	143	245	176	1	0.00	147	144	212
	1	0.00	143	244	147	1	0.00	147	143	236
	1	0.01	147	251	159	1	0.00	147	138	182
	1	0.00	147	247	191	1	0.01	147	70	193
	1	0.01	147	245	181	1	0.01	147	55	132
	1	0.01	147	236	219	1	0.01	134	280	134
	1	0.00	143	66	155	1	0.00	134	279	180
	1	0.00	134	91	247	1	0.01	134	274	234
	1	0.01	147	195	177	1	0.00	147	114	246
	1	0.01	147	194	175	1	0.00	147	112	190
	1	0.01	147	191	148	1	0.01	147	108	169
1	0.01	147	165	173	1	0.00	147	105	175	
Sidestripe shrimp	5	0.01	143	95	258	1	0.02	147	246	212
	3	0.01	147	266	198	1	0.02	147	241	199
	3	0.02	147	261	146	1	0.01	143	225	179
	3	0.02	147	259	149	1	0.02	143	217	209
	3	0.01	147	114	246	1	0.01	134	91	247
	2	0.02	147	271	141	1	0.01	147	155	195
	2	0.01	147	263	305	1	0.01	147	152	191
	2	0.02	147	258	219	1	0.01	147	144	212
	2	0.01	147	236	219	1	0.01	147	137	229
	2	0.01	143	216	206	1	0.01	134	186	191
	2	0.01	147	143	236	1	0.01	134	183	194
	2	0.01	147	280	198	1	0.01	134	279	180
	2	0.02	147	279	197	1	0.01	143	309	177
	1	0.01	143	108	288	1	0.01	143	308	189
	1	0.02	147	267	159	1	0.02	143	306	168
	1	0.02	147	265	184	1	0.02	147	278	196
	1	0.02	147	264	200	1	0.02	134	266	241
	1	0.02	147	257	226	1	0.01	147	120	253
	1	0.02	147	255	219	1	0.01	147	118	258
1	0.01	143	97	196	1	0.01	147	113	215	
1	0.01	143	94	266	1	0.01	147	106	196	
1	0.01	143	245	176						
Scallop unident.	2	0.03	134	73	83	1	0.03	147	186	92
	2	0.02	134	71	84	1	0.02	147	185	136
	2	0.02	134	70	83	1	0.03	143	13	59
	1	0.03	143	261	86	1	0.22	147	168	38
	1	0.03	134	149	80	1	0.04	143	180	103
	1	0.04	134	142	91	1	0.04	134	288	112
	1	0.03	147	225	95	1	0.41	147	131	67
	1	0.02	147	222	79	1	0.31	147	126	81
	1	0.04	147	205	109	1	0.37	147	125	62
	1	0.02	147	2	87	1	0.28	147	73	39
	1	0.03	143	181	87	1	0.03	134	20	64
1	0.05	147	187	125						

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Magistrate	14	0.25	147	9	226	1	0.35	143	94	266
armhook	9	0.23	147	46	255	1	0.40	143	253	347
squid	8	0.48	147	140	293	1	0.08	147	246	212
	5	0.10	143	59	220	1	0.55	147	40	424
	4	0.14	143	108	288	1	0.19	134	115	400
	4		134	64	211	1	0.25	134	113	327
	4	0.36	147	118	258	1	0.07	143	60	124
	3	0.43	143	117	256	1	0.20	143	54	215
	3	0.13	143	58	290	1	0.13	143	231	254
	3	0.16	143	34	314	1	0.11	143	230	288
	3	0.19	143	17	229	1	0.08	143	227	251
	3	0.30	143	315	384	1	0.05	147	208	291
	3	0.50	143	313	382	1	0.14	147	10	233
	2	0.30	143	260	325	1	0.49	147	5	242
	2	0.22	143	102	383	1	0.15	143	36	271
	2	0.15	143	95	258	1	0.41	143	3	183
	2	0.09	143	84	231	1	0.60	147	155	195
	2	0.19	143	235	321	1	0.44	143	170	207
	2	0.29	147	45	242	1	0.19	143	162	357
	2	0.35	147	4	253	1	0.71	134	48	289
	2	1.20	134	91	247	1	0.53	134	44	383
	2	0.27	134	87	291	1	0.08	134	30	240
	2	0.18	143	35	346	1	0.08	147	145	178
	2	0.16	147	143	236	1	0.18	147	137	229
	2	0.58	134	232	294	1	0.42	143	316	382
	2	0.65	147	60	308	1	0.17	143	311	377
	1	0.23	143	128	348	1	0.36	134	198	339
	1	0.13	143	126	254	1	0.60	147	59	300
	1	0.48	134	258	509	1	0.55	134	19	337
	1	0.17	143	284	669	1	0.40	134	265	314
	1	0.64	143	277	326	1	0.41	134	263	399
	1	0.19	143	276	334	1	0.45	134	262	514
	1	0.08	147	263	305	1	0.55	134	259	532
	1	0.67	134	234	281	1	0.21	147	120	253
	1	0.16	134	143	251	1	0.34	147	119	250
	1	0.14	134	129	355	1	1.18	147	114	246
Sponge	623		147	18	67	42		143	3	183
	179	3.75	134	1	174	34		147	44	99
	96		143	1	219	27		147	4	253
	92		143	2	82	27		143	10	125
	48	119.01	147	282	159	25	15.71	147	251	159
	45		147	19	65	24		143	314	378
Starfish	13	0.35	147	19	65	6	0.84	147	191	148
	12	2.31	134	36	33	6	0.95	134	57	25
	11	2.52	143	39	35	5	0.01	134	120	164
	10	0.34	134	98	36	5	1.45	143	64	38
	9	0.33	147	18	67	5	0.09	147	182	30
	9	1.34	147	150	50	5	1.28	147	73	39
	8	0.89	147	115	32	5	0.03	143	149	155
	7	1.45	143	143	28	4	0.66	134	111	86
	6	1.24	134	156	103	4	0.54	134	110	61

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Starfish	4	0.29	147	224	63	1	0.01	147	266	198
	4	0.01	134	52	152	1	0.20	147	261	146
	4	1.65	147	126	81	1	0.01	147	258	219
	3	1.88	134	157	73	1	0.15	134	138	132
	3	0.37	134	153	107	1	0.06	134	129	355
	3	0.04	134	122	143	1	0.07	143	99	139
	3	0.95	134	119	78	1	0.08	143	92	121
	3	0.42	134	117	67	1	0.03	143	84	231
	3	0.34	134	93	69	1	0.04	143	83	113
	3	0.52	147	192	63	1	0.33	143	240	58
	3	0.09	147	181	32	1	1.60	134	128	94
	3	1.49	143	5	72	1	0.01	147	246	212
	3	1.37	147	124	33	1	0.01	147	243	206
	3	1.45	134	217	53	1	0.10	147	226	155
	3	2.16	147	102	32	1	0.05	147	45	242
	2	0.01	143	116	167	1	0.06	147	43	108
	2	0.01	147	264	200	1	0.21	134	125	129
	2	0.41	147	260	92	1	0.03	143	66	155
	2	0.13	143	100	105	1	0.74	143	65	41
	2	0.01	143	94	266	1	0.04	143	222	111
	2	0.93	147	52	52	1	0.04	143	209	531
	2	0.45	134	124	143	1	0.03	147	209	128
	2	0.01	134	121	145	1	0.08	147	204	114
	2	0.11	134	118	76	1	0.29	147	202	77
	2	0.23	147	225	95	1	0.73	147	21	61
	2	0.01	134	91	247	1	0.01	134	92	235
	2	1.80	143	42	81	1	0.01	134	89	254
	2	0.54	147	197	55	1	0.01	134	88	233
	2	0.01	134	63	183	1	0.09	147	2	87
	2	0.91	134	56	92	1	0.02	143	44	139
	2	0.66	147	158	71	1	0.07	143	37	132
	2	0.01	147	153	191	1	3.22	143	30	98
	2	0.85	134	306	124	1	1.30	143	29	45
	2	1.70	134	302	80	1	1.38	143	27	58
	2	1.10	134	301	73	1	0.62	143	185	79
	2	5.16	147	142	30	1	0.66	143	184	90
	2	1.87	147	127	51	1	0.85	143	182	173
	2	0.36	143	150	142	1	0.44	143	26	57
	2	1.76	134	6	63	1	0.18	147	199	145
	2	1.37	147	100	170	1	0.66	147	198	71
	1	0.60	134	155	100	1	0.80	147	193	181
	1	0.01	143	117	256	1	0.16	147	188	145
	1	0.01	143	108	288	1	0.10	147	187	125
	1	0.47	134	251	114	1	0.11	147	184	189
	1	0.58	134	250	132	1	0.08	147	183	70
	1	0.05	143	261	86	1	0.10	147	179	44
	1	0.24	134	154	79	1	0.55	147	176	76
	1	0.20	134	152	72	1	0.01	134	60	144
	1	0.05	147	275	156	1	0.98	134	50	29
	1	0.05	147	273	69	1	0.16	134	314	992
	1	0.08	147	272	68	1	1.30	134	311	90
	1	0.00	147	270	127	1	0.55	147	170	30
	1	0.03	147	267	159	1	0.94	147	168	38

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Starfish	1	0.01	147	152	191	1	1.04	147	70	193
	1	0.77	143	161	90	1	0.12	147	65	70
	1	1.83	143	157	43	1	0.23	147	63	77
	1	2.53	143	155	161	1	0.01	143	148	146
	1	1.21	147	151	52	1	1.27	143	146	77
	1	0.59	134	307	117	1	0.77	143	145	137
	1	0.29	134	304	128	1	1.54	143	144	101
	1	1.56	134	37	37	1	1.20	143	138	67
	1	1.51	134	35	41	1	0.01	134	279	180
	1	0.60	134	285	72	1	0.04	134	276	206
	1	0.01	147	144	212	1	0.33	134	271	100
	1	0.01	147	140	293	1	0.46	134	11	78
	1	0.01	147	137	229	1	0.84	134	10	78
	1	0.42	147	135	26	1	1.89	134	7	79
	1	0.69	147	133	61	1	0.01	147	279	197
	1	0.41	147	95	166	1	0.03	134	268	189
	1	1.18	147	85	105	1	0.01	147	120	253
	1	0.43	147	78	99	1	0.01	147	119	250
	1	1.43	147	76	38	1	0.00	147	118	258
1	0.46	147	74	53	1	0.38	147	116	32	
Soft coral	102		147	210	124	12		143	313	382
	93		143	316	382	12		134	203	235
	56		143	315	384	9		134	204	206
	15		143	311	377	7		147	257	226
	14		143	314	378					
Stony coral unident.	5		143	2	82	1		134	261	627
	1		147	44	99	1		134	260	632
	1	0.13	134	1	174					
Octopus	8	8.53	143	14	59	1	2.34	134	106	470
	6	11.35	147	21	61	1	2.39	143	209	531
	5	11.70	143	160	77	1	1.16	143	51	491
	2	4.22	147	52	52	1	0.75	134	314	992
	2	0.48	143	52	561	1	1.23	134	33	716
	2	5.38	147	186	92	1	1.90	134	223	712
	1	0.45	134	160	620	1	1.71	143	132	551
	1	0.50	147	45	242	1	0.65	134	13	539
	1	1.25	147	40	424					
Snail	14	0.07	143	40	61	1	0.03	143	96	190
	7	0.05	134	146	380	1	0.05	147	43	108
	5	0.06	147	209	128	1	0.05	134	120	164
	5	0.08	147	183	70	1	0.03	143	209	531
	4	0.09	147	126	81	1	0.06	147	225	95
	4	0.03	147	115	32	1	0.05	147	19	65
	3	0.05	147	176	76	1	0.07	147	10	233
	2	0.02	134	129	355	1	0.13	134	97	61
	2	0.13	147	231	124	1	0.03	147	2	87
	2	0.03	147	172	50	1	0.05	147	199	145
	2	0.06	147	141	97	1	0.08	147	186	92
	1	0.07	143	122	40	1	0.05	147	178	77

Principal species CPUE and average individual weight by vessel, haul, and depth during the 2005 biennial Gulf of Alaska survey.

Species	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)	CPUE (kg/ha)	Individual weight (kg)	Vessel	Haul	Gear depth (m)
Snail	1	0.04	147	175	77	1	0.06	134	307	117
	1	0.04	134	52	152	1	0.02	134	32	724
	1	0.05	147	168	38	1	0.04	147	146	66
	1	0.02	147	163	51	1	0.05	147	142	30
	1	0.08	147	153	191	1	0.03	134	273	384
	1	0.07	147	151	52	1	0.04	147	121	54
	1	0.07	147	150	50					
Other invertebrate	159	0.42	147	74	53	14	0.53	134	11	78
	118	0.31	147	32	76	14	0.03	147	280	198
	92	0.04	147	18	67	13	0.12	134	149	80
	61	0.33	147	236	219	13	0.77	134	307	117
	61	0.26	143	40	61	12	0.59	147	51	45
	59	0.10	147	126	81	12	0.22	147	34	58
	53	0.39	134	50	29	12	0.33	143	42	81
	51	0.64	143	31	75	12	0.28	134	300	90
	47	0.02	147	263	305	12	0.12	147	122	54
	46	0.64	147	52	52	10	0.78	143	277	326
	46	1.16	134	36	33	10	0.16	143	260	325
	34	0.05	147	261	146	10	0.01	147	264	200
	33	0.14	147	259	149	10	0.10	147	233	128
	33	0.58	143	183	87	10	0.18	143	185	79
	33	0.22	147	65	70	10	0.30	147	182	30
	32	0.04	134	248	251	10	0.08	147	177	52
	32	0.10	147	19	65	10	1.01	134	303	79
	32	0.10	147	183	70	10	11.52	134	31	90
	32	0.31	143	168	62	10	0.01	147	146	66
	29	0.35	147	30	64	10	0.28	147	116	32
	29	0.54	143	166	74	9	0.23	134	238	189
	27	0.08	147	179	44	9	0.07	147	232	139
	26	0.06	147	176	76	9	0.05	134	118	76
	26	0.34	134	35	41	9	0.03	134	117	67
	25	0.01	134	85	732	9	0.10	134	98	36
	24	0.04	147	257	226	9	0.00	143	189	286
	20	0.51	147	142	30	9	0.46	143	184	90
	20	0.05	143	315	384	9	0.09	134	314	992
	18	0.15	147	229	67	9	0.31	143	175	99
	18	0.01	134	106	470	9	0.76	134	218	83
	18	0.86	134	306	124	9	0.05	134	1	174
	18	1.08	134	216	173	9	0.02	147	279	197
17	0.06	147	21	61	8	0.16	143	276	334	
17	0.01	147	281	194	8	0.80	143	274	244	
16	0.27	143	39	35	8	0.04	147	256	235	
15	0.58	134	78	703	8	0.01	147	45	242	
14	0.96	143	263	151	8	1.37	143	70	127	
14	0.53	134	154	79	8	0.05	147	210	124	
14	0.07	147	168	38	8	0.03	147	2	87	
14		134	231	294	8	0.71	147	149	60	
14	1.07	134	215	163	8	0.02	143	313	382	
14	0.17	147	73	39	8	0.02	134	273	384	
14	1.26	134	182	160	8	0.15	147	117	31	

Section 5

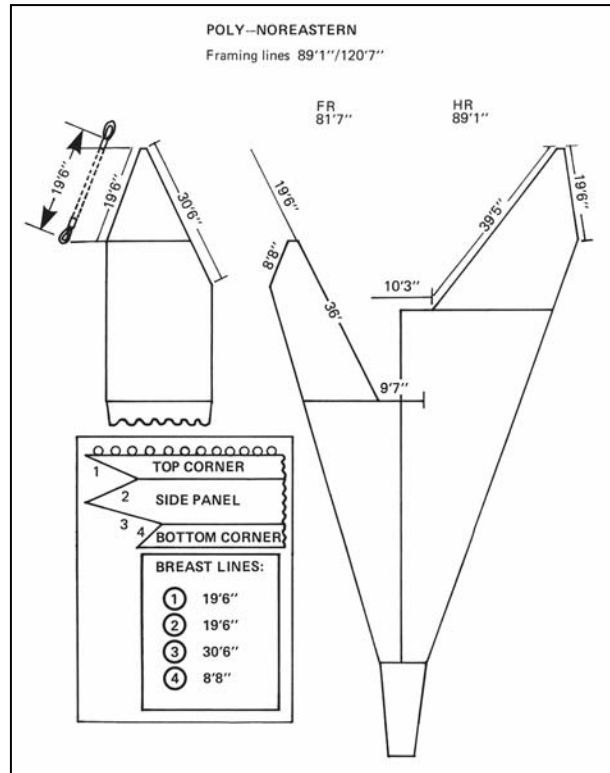
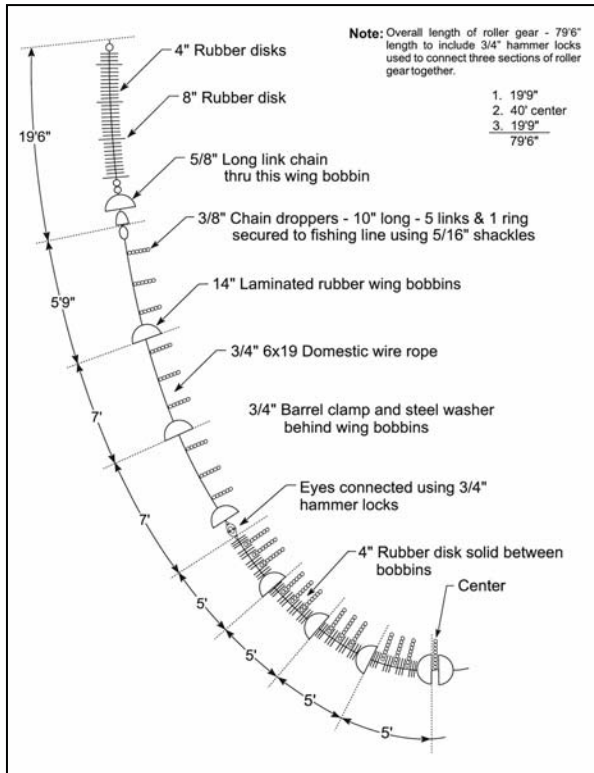
Trawl and Accessories
Specifications and Diagrams

Specifications of the trawl, otter doors, and accessory gear used by the chartered trawlers *Gladiator*, *Northwest Explorer*, and *Sea Storm* during the 2005 bottom trawl survey of the Gulf of Alaska.

Equipment	Specifications
Netting -	Polyethylene, 12.7 cm (5 in), 4 and 5 millimeter (mm) twine.
Headrope -	27.2 m (89 ft-1 in), 1.3 cm (1/2 in) 6 x 19 gauge galvanized wire rope, wrapped with 1 cm (3/8 in) 3-strand polypropylene rope.
Footrope -	24.9 m (81 ft-7 in), 1 cm (3/8 in) 6 x 19 gauge 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 ton (t).
Roller gear -	24.2 m (79 ft-6 in), 1.9 cm (3/4 in) diameter, 6 x 19 gauge 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 gauge galvanized wire rope wrapped with 1 cm polypropylene. Top corner 5.9 m (19 ft-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) Sampson [*] 2 and 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 (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 dandylines each side, 1.6 cm (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 (3/8 in) polyrope hog-ringed (or interwoven) together, 46 M circumference and 21 M deep, laced to outer bag 68.5 M up from the pucker rings.

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

Figure 17. Trawl accessories diagrams



Gulf of Alaska Survey (GOA) Rigging Plan

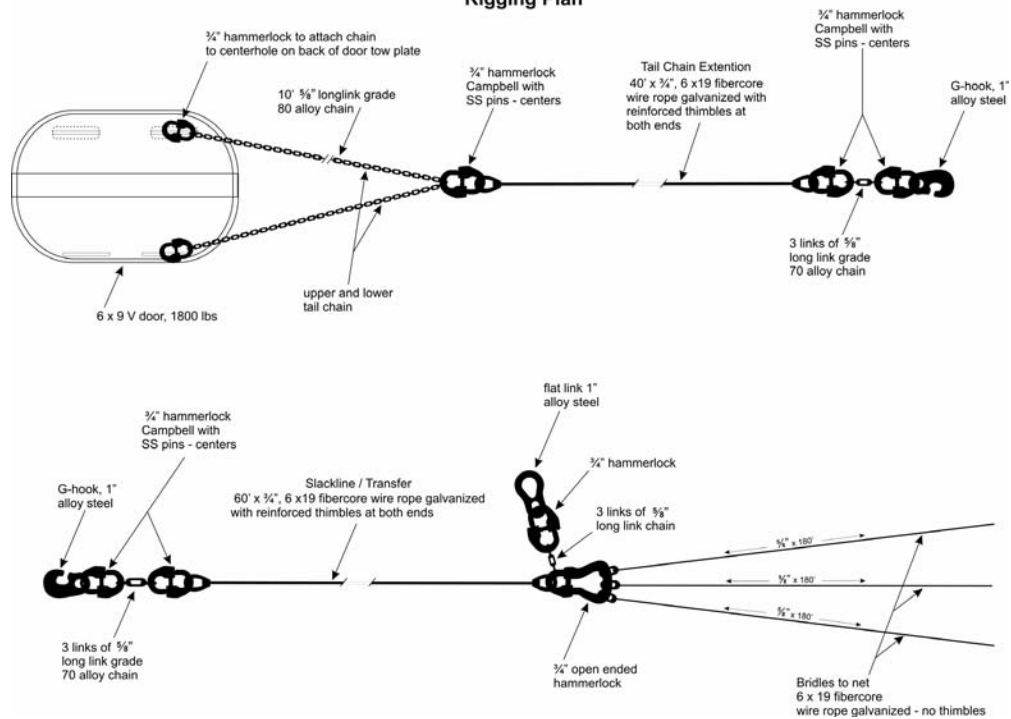


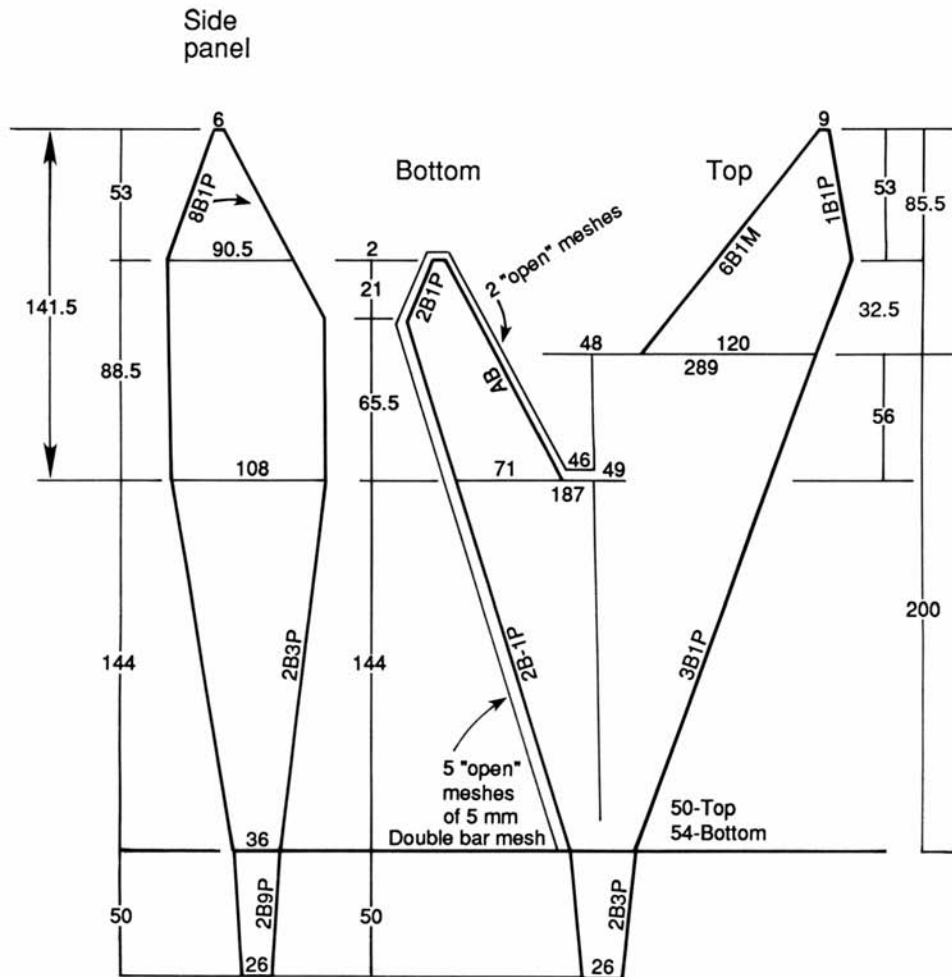
Figure 18. Poly Nor'Eastern Diagram

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, going 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