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National Marine Fisheries Service Longline Survey Data Report and Survey History, 1990-2014

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ABSTRACT

This report discusses the history and methods of the National Marine Fisheries Service's (NMFS) longline surveys of the Gulf of Alaska, eastern Bering Sea, and eastern Aleutian Islands and summarizes the 1990-2014 survey results. The primary purpose of the NMFS longline survey is to determine the relative abundance and length composition of sablefish, *Anoplopoma fimbria*; shortspine thornyhead, *Sebastolobus alascanus*; rougheye rockfish, *Sebastes aleutianus*; blackspotted rockfish, *Sebastes melanostictus*; and shortraker rockfish, *Sebastes borealis*, in the Gulf of Alaska, eastern Bering Sea, and Aleutian Islands region. Only the abovementioned species and arrowtooth flounder, *Atheresthes stomias*, are discussed in this report. Catch results are listed for Pacific cod, *Gadus macrocephalus*; Pacific halibut, *Hippoglossus stenolepis*; giant grenadier, *Albatrossia pectoralis*; Greenland turbot, *Reinhardtius hippoglossoides*; spiny dogfish, *Squalus acanthias*; and Pacific sleeper shark, *Somniosus pacificus*. The survey area covers the upper continental slope and selected gullies of the Gulf of Alaska and the upper continental slope of the eastern Bering Sea and Aleutian Islands region.

Overall sablefish abundance indices (relative population number (RPN) and relative population weight (RPW)) for the Gulf of Alaska decreased from 1990 to 2014. Shortspine thornyhead RPN for the Gulf of Alaska increased from 1990 to 2014 and RPW increased from 1990 to 2014. Rougheye and blackspotted rockfish RPN for the Gulf of Alaska increased from 1992 to 2014 and RPW increased from 1992 to 2014. Gulf of Alaska RPN for shortraker rockfish increased from 1992 to 2011 followed by a decrease during 2012-2014. While shortraker rockfish RPWs fluctuated over the years there was an overall increase in RPWs from 1992 to 2014. Arrowtooth flounder RPN for

the Gulf of Alaska fluctuated between increases and decreases from 1990 to 2010 but decreased during 2011-2014. Arrowtooth flounder RPW decreased overall from 1990 to 2014.

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INTRODUCTION

This report discusses the history of the National Marine Fisheries Service's (NMFS) longline survey conducted by the Alaska Fisheries Science Center (AFSC) and presents the 1990-2014 survey results which updates an earlier report on the 1991-1996 NMFS longline surveys (Rutecki et al. 1997).

From 1978 through 1994, Japan and the United States cooperatively conducted an annual longline survey of the upper continental slope of the Gulf of Alaska (GOA). The survey supplied information to estimate the abundance of sablefish, *Anoplopoma fimbria*, and other groundfish species (Rutecki et al. 1997). Since 1987, the AFSC has conducted its own annual longline survey designed to continue the time series of data following the end of the U.S.-Japan cooperative surveys. The U.S.-Japan cooperative survey, conducted jointly by NMFS and The Fisheries Agency of Japan, and later by NMFS and a Japanese industry group, covered the GOA, eastern Bering Sea (EBS), and Aleutian Islands (AI), whereas the NMFS survey (initially termed Domestic Longline Survey) conducted solely by NMFS covered only the GOA until 1996. The NMFS survey in 1996 expanded to cover the eastern Aleutian Islands (EAI). Sampling of the EBS began in 1997. The initial purpose of the NMFS longline survey was to determine the relative abundance and length composition of sablefish in the GOA, EBS, and EAI (Fig. 1).

The longline survey now provides stock assessment data for sablefish; rougheye rockfish, *Sebastes aleutianus* and blackspotted rockfish, *S. melanostictus*; and Greenland turbot, *Reinhardtius hippoglossoides*. A shallow stratum (150 m to 200 m) has recently been defined and relative population numbers (RPN) and relative population weights

(RPW) are now available for this stratum and for all species caught in the survey, including shortspine thornyhead, *Sebastolobus alascanus*; shorttraker rockfish, *Sebastes borealis*; and arrowtooth flounder, *Atheresthes stomias*. Only these species will be discussed in this report.

Relative abundance numbers (RPN) and relative abundance weights (RPW) for those species caught in the GOA gullies, AI, and Bering Sea survey areas will be listed as well for Pacific cod, *Gadus macrocephalus*; Pacific halibut, *Hippoglossus stenolepis*; giant grenadier, *Albatrossia pectoralis*; spiny dogfish, *Squalus acanthias*; and Pacific sleeper shark, *Somniosus pacificus*, caught in all survey areas.

Sablefish Fishery History

The exploitation of sablefish stocks in the Pacific Ocean was initiated by American coastal fishermen at the end of the 19th century, and the fishery is one of the North Pacific groundfish fisheries with the longest histories (Forrester et al. 1978). According to Sigler and Lunsford¹, “the American fishery on sablefish developed as a secondary activity of the halibut fishery of the United States and Canada. Initial fishing grounds were off Washington and British Columbia and from there spread to Oregon, California, and Alaska during the 1920's. Since then, and up to 1957, the sablefish fishery was exclusively a small U.S. and Canadian fishery, ranging from off California northward to Kodiak Island in the GOA. Japanese longliners began sablefish operations in the eastern Bering Sea in 1958”. After 1960, there was full exploitation of sablefish in waters off of Alaska, primarily by Japan with a peak catch of 64,500 t in 1972 (Sasaki

¹ Sigler, M. F., and C. R. Lunsford. 2003. Alaska Fisheries Science Center, Survey protocol for the Alaska sablefish longline survey. Available <http://www.afsc.noaa.gov/ABL/MESA/pdf/LSprotocols.pdf> .

1985). Foreign fishing ended in the U.S. Exclusive Economic Zone (EEZ) under the Magnuson-Stevens Act and the U.S. sablefish longline fishery began expanding in 1982 into the GOA and in 1988, the domestic fishery harvested all sablefish taken in Alaska except for minor joint venture catches (Sigler and Lunsford 2001).

Currently groundfish fisheries in federal and state waters of Alaska are managed by various combinations of annual catch quotas, limited access, bycatch measures including catch limits, and area closures triggered by reaching these limits. Since 1995, the federal-waters fishery for sablefish and the Pacific halibut fishery in all waters of Alaska have been managed by individual fishery quotas or IFQs. The Magnuson-Stevens Act defines an IFQ as a “Federal permit under a limited access system to harvest a quantity of fish, expressed by a unit or units representing a percentage of the total allowable catch of a fishery that may be received or held for exclusive use by a person” (Sigler and Lunsford 2001). The AFSC longline survey provides the primary abundance index for the stock assessment that determines the sablefish Allowable Biological Catch (ABC).

U.S.-Japan Cooperative Survey (1979-1994)

With passage of the Fishery Conservation and Management Act in 1976, foreign vessels fishing in U.S. waters were required to provide either fisheries research or markets for this privilege. This requirement was sometimes called the “fish-and-chips” policy. The Far Seas Fisheries Agency of Japan began a longline survey for sablefish in Alaska in 1978 as a “chip” to trade for continued commercial sablefish fishing in federal waters off Alaska.

Beginning in 1979, Japan Far Seas Fishery Agency and the National Marine Fisheries Service conducted an annual, cooperative longline survey along Alaska's continental slope. Sigler (1987) provides survey methods. Beginning in 1989, however, the survey was conducted by a private Japanese organization, the North Pacific Cooperative Fisheries of Japan, in cooperation with the AFSC. Since the survey in 1978 was experimental those data are not used for abundance trends. During 1979 and 1980 only the GOA was sampled. The AI area and GOA were sampled in 1981. The 1982-1994 surveys sampled the AI, Bering Sea, and GOA each year. A total of six different Japanese commercial vessels conducted the surveys during 1979-1994 (Table 81).

Alaska Fisheries Science Center Survey (1988-2014)

In 1988, as a means of transitioning to a U.S.-only survey, the AFSC conducted its first independent longline survey of the upper continental slope and selected gullies in the GOA. Beginning in 1996 the EAI were surveyed during even-numbered years, and starting in 1997 the upper continental slope of the EBS was sampled during odd-numbered years.

A preliminary survey was conducted in 1987 but those data are considered to be experimental and so are not used for time series analysis (Zenger et al. 1992). A unique aspect of the AFSC survey is that the charter vessel retains most of the catch after the scientific data are recorded. The survey is conducted jointly by two divisions of the AFSC, the Auke Bay Laboratories (ABL) and the Resource Assessment and Conservation Engineering (RACE) Division.

Survey Overlap

The Japanese surveys were continued during 1988-1994 to provide a comparison of the results of the two surveys. The overlap was used to test for differences between the two surveys and thus link the time series of standard longline surveys. It was helpful to have data from two similar surveys to assess the abundance of a fish stock in the survey areas. By 1994, statistical analyses by Kimura and Zenger (1997) showed that enough data had been collected to complete a valid comparison of abundance indices between the surveys. As a result, the cooperative longline survey was discontinued after 1994. The annual longline survey begun by the AFSC in 1987 has continued, and the entire data series from 1979 is being used to calculate an index of abundance for several groundfish species.

Domestic Survey Description

The survey fishes the upper continental slope and selected gullies of the GOA, the EAI, and GOA (Fig.1). The survey samples nearly all areas where adult sablefish are found. Depths sampled during the survey of the upper continental slope range from about 150-1,000 m (82-547 fm). The survey occurs during the summer and lasts 3 months. Survey operations have been conducted using chartered U.S. freezer longline vessels, which have an approximate overall length of 47 m (150 ft). The survey follows a systematic design (Sasaki 1985) by placing stations 20-30 nmi (37-56 km) apart and sampling these same GOA locations every year and the EAI and EBS stations every other year. Experiments comparing systematically located survey stations to nearby, randomly placed stations found no substantial difference in catch rates².

² Sigler, M. F. 2015. Habitat and Ecological Processes (HEPR) Program. Alaska Fisheries Science Center, 17109 Pt. Lena Loop Road, Juneau, AK 99801. Personal communication.

MATERIALS AND METHODS (1990-2014)

Vessels and Gear

Survey operations were conducted using the FV *Ocean Prowler* (47 m) for the years 1990, 1991, 1993, 1995, 1997, 1999, 2001, 2003, 2005, 2007, 2009, 2011, and 2013. Survey operations were conducted using the FV *Alaskan Leader* (46 m) for the years 1994, 1996, 1998, 2000, 2002, 2004, 2006, 2008, 2010, and 2012.

Units of gear (skates) were 100 m (55 fm) long and contained 45 size 13/0 circle hooks. Hooks were attached to 38 cm (15 in) gangions that were secured to becketts (grommets of line) tied into the groundline at 2 m (6.5 ft) intervals. A total of 80 skates were tied together to form each of the two groundlines fished at each station. Gangions were constructed of medium lay #60 thread nylon, becket material was medium lay #72 thread nylon, and groundline was medium lay 9.5 mm (3/8 in) diameter nylon.

A set of gear consisted of a flag and buoy array at each end of the groundline. Each flag was followed sequentially by a 183-1,281 m (100-700 fm) long 9.5 mm diameter nylon buoyline, a 92 m (50 fm) section of 9.5 mm polypropylene floating line, a 16 kg (35 lb) piece of chain (to dampen the effect of wave surge on the buoyline), 92 m of 9.5 mm nylon line, a 27 kg (60 lb) halibut anchor, and a section of 366 m (200 fm) of

9.5 mm nylon line that is tied to the groundline. The groundline was weighted with 3.2 kg (7 lb) lead balls at the end of each skate. Hooks were hand baited with chopped squid (*Illex* sp.) at a rate of about 5.7 kg (12.5 lb) per 100 hooks. Squid heads and tentacles were not used for bait.

Total groundline set each day was 16 km (8.6 nmi) long and contained 160 skates and 7,200 hooks, except in the EBS where 180 skates with 8,100 hooks were set. From 1979-1994, EBS stations had from 160 to 180 skates set, and from 1997 to 2012, stations had 180 skates instead of the typical 160. Two 80-skate groundlines laid end-to-end were set at each station along the upper continental slope. However, in the gullies, two stations are fished, each with only a single groundline of 80 skates. These two gully stations, spaced 3.5-7 km (2-4 nmi) apart, were usually sampled on the same day. Fewer skates (80 vs. 160) are needed to sample a gully compared to a slope station because of the narrower range of depths covered in gullies. Only Amatuli Gully Station 87 consists of 160 skates because it was created during the U. S.-Japan cooperative longline survey, whereas all other gully stations were created during the NMFS longline survey. A description and diagram of the longline equipment and gear appear in Sigler and Zenger (1989) and Zenger et al. (1992). Details of survey methodology are found in Sigler and Lunsford (2003).

Operations

Annual survey periods varied over time. From 1988 to 1990 the survey period was from June 26 to September 12. The survey periods in 1991 through 1994 were 2 ½ weeks later than in 1988 through 1990. The 1991-1994 surveys were delayed to avoid the commercial sablefish fishery that started 45 days later than in 1988 through 1990.

Starting in 1995, the survey period was moved back to near the 1988-1990 time periods because of the extensive increase in length of the fishing season resulting from the implementation of the sablefish and halibut Individual Fishing Quota (IFQ) system. Beginning in 1998 the order in which the stations were sampled was changed to avoid conflicting with an early July rockfish trawl fishery in the central GOA. Instead of continuing to sample in an easterly direction from the Western Area near the Shumagin Islands to Dixon Entrance, the survey vessel completed the second leg and then transited to Dixon Entrance during early July. Sampling was then resumed in a westerly direction from Dixon Entrance to the Shumagin Islands.

Survey Area

Three regions are sampled: the EBS, AI and the GOA. The GOA is sampled every year. Starting in 1996, the AI were sampled during even-numbered years and the EBS was sampled during odd-numbered years. The survey currently begins with the AI or EBS, followed by the western GOA (Fig. 1). The survey vessel then travels to Dixon Entrance and samples the eastern then central GOA.

The primary habitat sampled is the upper continental slope. Selected gullies in the GOA also are sampled (see GOA section). The upper continental slope is sampled because it corresponds to the area in which commercial quantities of sablefish are generally found. Depths sampled during the survey of the upper continental slope range from about 150-1,000 m, but certain stations do not cover this full range. At each station, the gear was set from shallow to deep and retrieved in the same order. The objective of the setting pattern was to evenly distribute the sampling effort (gear) over depth range.

Except for the gully stations, the gear was set in two equal parts of 80 skates laid end-to-end.

Bering Sea

Sixteen stations were sampled along the upper continental slope of the EBS (Fig. 1) at the rate of one station per day. Two sets of 90 skates each, rather than the usual 80, were completed in the EBS. Four stations sampled during the U.S.-Japan cooperative longline surveys were eliminated because of frequent killer whale (*Orcinus orca*) depredation. Stations with ending depths of 425 m sampled during the U.S.-Japan cooperative longline surveys also were eliminated in the NMFS survey because these stations were designed to target Pacific cod and not sablefish.

Aleutian Islands Region

The AI region was sampled during even-numbered years (Fig. 1). Fourteen stations were sampled along the upper continental slope of the AI region at the rate of one station per day. Three stations fished during the U.S.-Japan cooperative longline surveys were eliminated because of frequent gear loss. Stations in the western half of the Aleutians Islands region sampled during the cooperative surveys were eliminated because the sablefish catch rates were low during all the years they were fished.

Gulf of Alaska

Forty-five stations were sampled along the upper continental slope of the GOA (Fig. 1) at the rate of one station per day. All stations sampled during the U.S.-Japan cooperative longline survey were retained in the NMFS survey.

Gully stations in the GOA were also sampled every year. Twenty-seven gully stations were sampled. Gullies were not sampled during the U.S.-Japan cooperative longline survey except for one station in Amatuli Gully. Sablefish abundance in gullies is significant, even though catch rates tend to be lower, because the gullies are large. The gully sampling rate expressed as the number of stations per unit area is about half that for the upper continental slope. Shelikof Trough, Amatuli Gully, W-Grounds, Yakutat Valley, Spencer Gully, Ommaney Trench, and Dixon Entrance were sampled. In addition, one station was sampled on the continental shelf off Baranof Island.

Gully station positions were chosen to more evenly distribute the stations within each gully, although each day's sampling of two stations were limited to 3.5-7 km apart to keep traveling time reasonable. The first gully station starts in depths < 200 m and ends in depths > 200 m, and the second station lies entirely within depths > 200 m. Catch rates and length compositions from depths > 200 m are used to compute abundance indices. Catch numbers and length compositions from depths < 200 m are used to look for signs of relatively strong year classes of young or pre-recruit sablefish.

Data Collection

Catch data were recorded on a hand-held computer. During gear retrieval a scientist stationed at the vessel's rail recorded the species of each hooked fish and the condition of each unoccupied hook such as baited or ineffective (i.e., absent, straightened, broken, or tangled). Time of day was recorded as each hook was tabulated, and depth was entered when the first hook of each fifth skate was retrieved or when crossing into a new depth interval (0-100 m, 101-200 m, 201-300 m, 301-400 m, 401-600 m, 601-800 m, 801-1,000 m and 1,001-1,200 m).

Length data were collected with a barcode-based measuring board and a barcode reader connected to a computer. Length was measured by depth stratum for sablefish, Pacific cod, giant grenadier, Pacific grenadier, *Coryphaenoides acrolepis*, popeye grenadier, *Coryphaenoides cinereus*, arrowtooth flounder, spiny dogfish, multiple rockfish species, and shortspine thornyheads. Lengths of sablefish, giant grenadier, spiny dogfish, and Pacific cod were recorded by sex.

Because of difficulty in accurate at-sea identification between rougheye and blackspotted rockfish, both species are tallied as rougheye rockfish. Thus, in this report blackspotted rockfish are included in the rougheye rockfish data.

Sablefish, shortspine thornyhead, and Greenland turbot were tagged on every 20th skate starting on skate 10 of every set. Pacific halibut were counted and released at the rail without measuring. Catch and length frequency data were transferred to a computer and electronic backup media twice a day. As in the previous AFSC surveys, the charter vessel was allowed to retain most of the catch once the scientific data were recorded and tagged fish were released.

Abundance Indices

Because we do not know the area of attraction for longline gear, an absolute biomass calculation is not possible. However, from catch rates and fish lengths, relative indices of abundance can be calculated (RPN and RPW). These indices are essentially area-weighted measures of numbers and weights of fish that can be tracked through time to follow trends in abundance. More details on RPN and RPW calculation can be found in Sigler and Zenger (1989) and Rodgveller³.

Length Data Clarification

Shortraker and rougheye rockfish are not easily identifiable from each other from a distance, so they are grouped as red rockfish when tallying catch. They are identified later when lengths are taken on board. There are no length data available in 1990 and in some areas in 1991, therefore species-specific catch, RPNs, and RPWs are not available because shortraker and rougheye rockfish were not identified to species those years. Arrowtooth flounder and shortspine thornyhead RPWs are also not available for the same areas and years because length data are not available. Lengths of sablefish in Spencer Gully are lacking in 1990, so there are no RPWs. Lastly, in the northeast AI in 1996 for all species, there are no RPNs or RPWs because raw data are lacking to make the calculations. These are all denoted with an "NA" in the RPN and RPW tables (Tables 1-79).

³ Rodgveller, C. 2011. Calculations of Indices of Abundance from the Alaska Fisheries Science Center's Longline Survey. Database_Background_Instructions.doc. Unpubl. manusc. Available: Alaska Fish. Sci. Cent. Nat. Mar. Fish. Serv. NOAA, Auke Bay Laboratory. Juneau, AK 99801.

Whale Depredation

Whale depredation occurs when killer whales remove or damage hooked fish as the gear is being retrieved. Killer whale depredation of the survey's sablefish catches has been a problem since the beginning of the survey (Sasaki 1987). Sperm whale depredation affects longline catches, but evidence of depredation is not accompanied by obvious decreases in sablefish catch or common occurrence of remnant sablefish lips and jaws or bent and broken hooks. Data on sperm whale depredation have been collected since the 1998 longline survey. Hanselman et al. (2014) provide a detailed account of whale predation and its effect on longline survey catch rates.

Special Studies

A series of mostly 2-day experiments such as hook-cluster, hook-spacing, hook-baiting, and rockfish genetics have been conducted in the Yakutat area during 1998-2014 (Appendix).

Results

Relative Abundance (RPN) Trends, Gulf of Alaska

Sablefish

The general pattern of sablefish RPNs during the 1990-2014 surveys for the GOA (Table 1) is plotted in (Fig. 2). Overall sablefish abundance decreased from 1990 to 2014. Abundance decreased from 1990 to 1992, then increased a bit in 1993. RPN decreased to the lowest RPN of the survey in 2013, but increased somewhat in 2014.

Shortspine Thornyhead

The general pattern of thornyhead RPNs during the 1990-2014 surveys for the GOA (Table 2) is plotted in (Fig. 3). While there was variability in RPNs over the years, there was an overall increase in thornyhead catches from 1990 to 2014. Relative population numbers increased from 1990 to 1992, and decreased somewhat from 1992 to 2000. An increase in RPN was observed from 2000 to 2001 with declines in RPN during 2001-2004. An overall upward trend in RPN was observed during 2004-2014.

Rougheye and Blackspotted Rockfish

Shortraker, rougheye, and blackspotted rockfish are not easily identifiable from one another from a distance so they are grouped when tallying the catch. Shortraker are identified later when lengths are taken on board. Rougheye and blackspotted are often difficult to differentiate in the field and thus are combined. There are no length data available in 1990 and in some areas in 1991, so species-specific catch, RPNs, and RPWs are not available for those years.

The general pattern of rougheye and black spotted rockfish RPNs during the 1990-2014 surveys (Table 3) for the GOA is plotted in (Fig. 4). While RPN varied there was an upward trend during 1992-2000 where peak relative abundance was observed during 2000. RPNs declined overall from 2000 to 2005 and increased from 2005 to 2011.

Shortraker Rockfish

The general pattern of shortraker rockfish RPNs during the 1990-2014 surveys for the GOA (Table 4) is plotted in (Fig. 5). There was an overall increase in RPN from 1992

to 2011 followed by a decrease during 2012-2013. Shortraker rockfish RPNs increased from 1992 to peak abundance in 2000. Shortraker RPNs increased overall from 2005 to 2014.

Arrowtooth Flounder

The general pattern of arrowtooth flounder RPNs during the 1990-2014 surveys for the GOA (Table 6) is plotted in (Fig. 6). In general, arrowtooth flounder RPNs alternated increases and decreases during 1990-1996. RPNs increased from 1996 to 1999. From 1999 to 2005, arrowtooth flounder RPNs decreased and then increased from 2005 to 2010 with an overall decrease during 2011-2014.

Other Species

Gulf of Alaska RPN values for halibut, Pacific cod, arrowtooth flounder, giant grenadier, Greenland turbot, spiny dogfish, and Pacific sleeper shark are listed in Tables 7-11.

Relative Biomass (RPW) Gulf of Alaska

Sablefish

The general pattern of sablefish RPWs during the 1990-2014 surveys for the GOA (Table 12) is plotted in (Fig. 2). Overall sablefish RPW decreased from 1990 to 2014. Sablefish RPWs fluctuated a bit but were relatively stable during 1990-1996. Relative population weights decreased from 1996 to 2000 but remained rather constant through 2006. Relative population weight decreased somewhat from 2006 to 2007 and steadily

increased from 2007 to 2012, then decreased to the lowest biomass of the survey in 2013 followed by an increase in 2014.

Shortspine Thornyhead

Shortspine thornyhead length data are incomplete for 1990 so there is no RPW for that year. The general pattern of shortspine thornyhead RPWs during the 1991-2014 surveys for the GOA (Table 13) is plotted in (Fig. 3). While there was variability in RPWs over the years, there was an overall increase in from 1990 to 2014. Relative population weights increased from 1991 to 1992, then decreased from 1992 to 1995, and increased from 1995 to 1999. After a decrease from 1999 to 2000, RPWs increased in 2001, then decreased to the lowest RPWs of the study period in 2004. An overall upward trend in RPWs, including the highest level of the study period in 2013, was observed from 2004 to 2014.

Rougheye and Blackspotted Rockfish

The general pattern of rougheye and blackspotted rockfish RPWs during the 1992-2014 surveys for the GOA (Table 14) is plotted in (Fig 4). While RPWs fluctuated over the years, there was an overall increase in RPWs from 1992 to 2014. Relative population weights increased from 1992 to 1997, decreased during 1998, and increased to the highest RPW's of the study period in 2000. From 2000 to 2005, RPWs declined. An overall increase in RPWs was observed from 2005 to 2011, followed by decrease in 2012 and 2013 with an increase in 2014.

Shortraker Rockfish

The general pattern of shortraker rockfish RPWs during the 1992-2014 surveys for the GOA (Table 15) is plotted in (Fig. 5). While RPWs fluctuated over the years, there was an overall increase in RPWs from 1992 to 2014. From 1992 to 1994, RPWs remained rather constant and steadily increased from 1994 to the highest number of the study period in 2000.

Arrowtooth Flounder

Arrowtooth flounder length data are incomplete for 1990 and 1991 so there are no RPWs for those years. The general pattern of arrowtooth flounder RPWs during the 1992-2014 surveys for the GOA (Table 17) is plotted in (Fig. 6). An overall decrease in RPW's was observed from 1992 to 2014. Relative population numbers fluctuated but remained constant from 1992 to 1996. RPW's increased steadily from 1996 to the highest RPWs of the study period in 1999. Relative population weights steadily decreased from 1999 to 2005 and remained constant through 2011 then decreasing to the lowest RPW's of the study in 2012 then increasing during 2013 and 2014.

Other Species

Gulf of Alaska RPW values for Pacific cod, arrowtooth flounder, giant grenadier, Greenland turbot, and spiny dogfish are listed in Tables 16-20.

Relative Abundance (RPN) Aleutian Islands and Bering Sea

Aleutian Island and Bering Sea RPN values for sablefish, shortspine thornyhead, roughey and blackspotted rockfish, shortraker rockfish, Pacific cod; arrowtooth flounder, Pacific halibut, giant grenadier, Greenland turbot, spiny dogfish, and Pacific sleeper shark are listed in Tables 21-31.

Relative Biomass (RPW) Aleutian Islands and Bering Sea

Aleutian Island and Bering Sea RPW values for sablefish, shortspine thornyhead, roughey and blackspotted rockfish, shortraker rockfish, Pacific cod, arrowtooth flounder, giant grenadier, Greenland turbot, and spiny dogfish are listed in Tables 32-40.

Relative Abundance (RPN) Gulf of Alaska Gullies

Gulf of Alaska Gully RPN values for sablefish, shortspine thornyhead, roughey and blackspotted rockfish, shortraker rockfish, Pacific cod, arrowtooth flounder, Pacific halibut, giant grenadier, Greenland turbot, spiny dogfish, and Pacific sleeper shark are listed in Tables 41-51 and 61-71.

Relative Biomass (RPW) Gulf of Alaska Gullies

Gulf of Alaska Gully RPW values for sablefish, shortspine thornyhead, roughey and blackspotted rockfish, shortraker rockfish, Pacific cod, arrowtooth flounder, giant grenadier, Greenland turbot, spiny dogfish listed in Tables 52-60 and 72-79.

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Table 1. -- Relative population number (RPN) of sablefish by North Pacific Fishery Management Council (NPFMC) regulatory districts and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
151-200	1990	15,192	7,574	9,214	82,046	20,648	-	134,674
	1991	8,746	13,160	19,331	49,961	860	-	92,058
	1992	10,772	10,797	8,607	44,487	0	-	74,663
	1993	17,811	13,506	10,030	22,040	0	-	63,387
	1994	23,771	9,400	1,317	19,853	0	-	54,341
	1995	21,518	9,995	0	7,227	0	-	38,740
	1996	13,871	9,967	11,513	12,170	0	-	47,520
	1997	13,482	6,452	1,085	10,739	-	-	31,758
	1998	12,681	14,862	28,988	6,541	0	0	63,072
	1999	7,669	18,908	2,777	7,370	5,162	-	41,886
	2000	22,686	12,711	3,972	4,319	0	1,371	45,059
	2001	31,609	17,244	9,331	3,209	0	-	61,393
	2002	19,543	21,609	1,683	12,125	2,581	4,400	61,941
	2003	23,823	11,167	2,520	19,135	-	-	56,646
	2004	31,112	10,413	1,828	1,554	0	-	44,907
	2005	27,034	11,093	2,842	6,659	0	-	47,628
	2006	14,333	9,118	9,709	2,619	3,226	-	39,004
	2007	11,396	7,296	4,725	7,930	0	-	31,347
	2008	14,557	9,168	11,378	4,106	-	0	39,209
	2009	11,709	1,772	11,457	3,274	0	-	28,212
2010	14,041	4,105	787	13,732	0	-	32,665	
2011	23,895	7,186	7,039	4,485	-	-	42,605	
2012	24,463	12,934	3,799	9,296	0	-	50,492	
2013	10,587	3,684	4,442	5,362	0	-	24,075	
2014	16,663	6,480	18,013	12,065	0	0	53,221	
201-300	1990	20,565	17,172	11,499	10,366	1,325	2,590	63,517
	1991	23,578	15,363	8,578	8,669	1,034	4,231	61,452
	1992	15,539	15,270	8,862	10,430	2,028	4,464	56,593
	1993	27,228	14,024	7,355	5,162	513	2,610	56,892
	1994	27,158	9,462	3,079	2,768	1,054	5,631	49,154
	1995	29,103	16,305	9,201	2,605	622	2,105	59,941
	1996	24,931	19,333	19,367	3,288	852	1,335	69,107
	1997	27,295	22,858	13,894	3,023	956	2,970	70,997
	1998	30,295	8,251	11,996	3,661	1,307	1,426	56,937

Table 1. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
201-300	1999	37,554	14,160	4,430	3,197	345	1,529	61,215
	2000	42,109	11,560	6,363	1,184	603	1,361	63,180
	2001	57,828	13,548	7,135	1,828	0	1,758	82,097
	2002	43,551	18,262	11,498	2,091	523	1,495	77,421
	2003	30,580	20,261	16,181	3,553	248	764	71,586
	2004	36,707	18,238	14,902	2,818	305	798	73,768
	2005	52,900	16,968	11,778	2,587	756	1,656	86,644
	2006	47,319	17,226	7,323	3,252	504	1,128	76,752
	2007	32,946	14,686	8,626	4,190	796	2,170	63,414
	2008	30,728	18,492	7,893	3,344	523	1,617	62,597
	2009	28,870	12,662	12,528	1,686	150	983	56,879
	2010	21,375	21,425	8,022	6,797	1,838	1,819	61,275
	2011	42,603	22,398	18,914	1,963	1,543	2,146	89,568
	2012	38,355	19,484	10,303	2,122	769	2,513	73,546
2013	26,269	11,595	6,010	872	657	2,500	47,903	
2014	34,764	15,263	9,764	2,461	425	3,679	66,357	
301-400	1990	11,497	7,244	11,472	6,599	3,031	6,270	46,113
	1991	8,604	4,903	7,137	8,828	3,560	9,491	42,522
	1992	4,822	5,983	9,228	11,665	4,823	9,784	46,304
	1993	11,439	6,377	8,148	9,325	3,678	9,374	48,340
	1994	9,911	4,332	5,160	4,817	2,387	9,191	35,797
	1995	7,851	6,390	9,866	5,344	2,497	5,556	37,503
	1996	10,003	8,419	17,940	4,216	2,008	5,034	47,620
	1997	9,103	11,827	14,659	3,946	2,168	5,523	47,225
	1998	8,837	3,690	8,883	5,685	1,787	7,384	36,266
	1999	9,796	4,182	6,504	6,224	910	5,745	33,361
	2000	10,341	3,525	6,137	3,013	1,098	6,341	30,456
	2001	13,019	2,737	6,119	1,664	1,142	5,788	30,469
	2002	10,056	4,569	9,814	3,975	1,171	5,511	35,095
	2003	13,035	7,284	15,511	3,742	1,170	4,160	44,901
	2004	11,214	9,130	14,930	4,121	1,026	6,116	46,538
	2005	15,834	8,555	8,436	3,133	2,043	5,009	43,011
2006	13,019	8,894	10,028	4,614	1,920	7,752	46,227	
2007	10,978	6,408	8,710	8,492	2,314	5,020	41,922	
2008	10,212	7,371	7,087	5,571	2,596	4,973	37,810	
2009	10,320	4,384	9,873	4,837	1,442	4,086	34,942	

Table 1. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
301-400	2010	11,333	6,016	13,464	6,008	3,266	6,808	46,896
	2011	13,497	10,139	17,478	4,865	1,215	5,059	52,253
	2012	13,807	7,499	6,271	3,936	1,327	4,332	37,172
	2013	7,958	4,025	5,434	4,521	1,215	4,595	27,748
	2014	16,085	6,690	6,282	4,033	757	5,775	39,623
401-600	1990	21,288	26,341	33,058	21,743	4,944	11,517	118,891
	1991	15,682	23,524	23,230	23,534	6,167	17,549	109,686
	1992	9,830	16,039	25,446	23,144	5,502	15,067	95,027
	1993	18,529	20,519	28,189	25,140	6,677	16,040	115,095
	1994	11,488	17,866	26,299	17,443	4,747	10,379	88,222
	1995	14,457	15,206	31,511	15,949	2,624	9,887	89,635
	1996	17,100	19,696	36,049	17,190	3,190	8,690	101,915
	1997	17,971	16,731	28,158	16,753	3,050	9,531	92,195
	1998	14,814	10,772	18,421	12,782	3,270	9,648	69,707
	1999	14,158	15,954	21,184	13,018	2,061	9,779	76,155
	2000	16,951	11,858	16,952	9,793	1,359	7,986	64,899
	2001	17,436	12,173	17,677	7,688	2,823	8,142	65,940
	2002	14,871	13,418	29,022	13,533	2,122	5,981	78,947
	2003	21,864	20,020	21,761	13,689	1,422	8,266	87,023
	2004	16,016	22,783	31,761	14,500	2,064	6,094	93,218
	2005	16,831	16,088	17,785	11,667	3,315	8,164	73,850
	2006	16,563	22,010	27,168	14,701	2,379	9,520	92,341
	2007	7,521	13,123	21,750	11,779	2,897	8,222	65,292
	2008	15,468	21,974	18,824	12,452	3,054	5,692	77,463
	2009	20,389	14,775	20,371	10,774	1,979	6,608	74,895
2010	16,395	17,067	28,854	15,263	3,017	9,817	90,414	
2011	20,060	25,965	27,724	14,511	2,188	9,057	99,506	
2012	12,068	18,223	17,693	9,961	2,283	6,492	66,719	
2013	7,241	12,224	20,738	8,414	1,973	6,960	57,550	
2014	16,223	14,961	18,111	11,341	1,621	5,864	68,121	
601-800	1990	11,512	24,648	32,526	24,805	3,306	17,298	114,095
	1991	7,507	28,834	37,654	22,281	4,308	20,694	121,277
	1992	2,034	19,425	30,990	25,349	3,368	20,137	101,303
	1993	8,660	24,234	34,999	25,342	3,574	20,800	117,610
	1994	7,540	23,077	33,429	21,992	3,281	13,239	102,559
	1995	7,708	11,390	28,950	18,840	2,269	15,526	84,683

Table 1. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
601-800	1996	8,911	15,994	26,590	18,474	2,847	13,374	86,191
	1997	10,689	10,600	26,804	18,442	2,099	12,751	81,385
	1998	9,119	24,695	22,986	12,702	2,025	13,352	84,878
	1999	9,532	27,474	25,379	13,184	2,492	12,413	90,474
	2000	10,897	21,490	20,101	12,745	1,528	10,551	77,310
	2001	9,509	24,673	22,064	12,527	1,895	11,314	81,982
	2002	7,605	24,288	32,578	18,230	1,685	10,374	94,760
	2003	10,115	19,585	18,763	14,900	1,176	11,632	76,171
	2004	4,971	20,916	30,819	16,412	1,293	9,673	84,084
	2005	7,448	19,471	20,357	10,611	1,457	9,292	68,635
	2006	3,815	19,574	29,396	13,414	2,237	11,685	80,121
	2007	1,892	18,153	21,274	10,438	1,816	11,165	64,739
	2008	4,370	19,449	19,883	8,883	1,888	9,094	63,567
	2009	10,242	18,487	21,123	13,288	1,881	12,421	77,441
2010	5,335	7,438	23,229	15,508	2,532	12,813	66,855	
2011	12,442	29,518	32,497	14,326	1,501	14,077	104,360	
2012	4,165	17,544	20,704	9,757	1,504	9,764	63,437	
2013	3,033	12,544	20,706	7,720	928	8,932	53,863	
2014	7,275	13,038	14,981	10,400	1,117	8,150	54,961	
801-1000	1990	4,936	14,741	19,623	11,592	2,972	18,359	72,224
	1991	2,330	13,254	26,601	10,973	2,682	21,123	76,962
	1992	-	12,622	21,276	16,694	2,806	19,708	73,107
	1993	6,198	14,147	26,918	15,035	2,774	20,690	85,762
	1994	2,600	11,011	20,593	16,602	4,850	15,156	70,813
	1995	3,365	12,919	23,308	15,963	1,788	16,712	74,055
	1996	1,793	13,561	15,664	11,768	2,111	16,446	61,343
	1997	1,830	11,610	20,437	11,987	3,222	16,972	66,058
	1998	4,913	11,053	16,824	8,917	2,720	15,963	60,390
	1999	980	17,575	20,603	7,645	2,727	16,156	65,686
	2000	3,358	14,503	12,612	9,887	1,390	14,189	55,938
	2001	4,061	17,126	16,123	7,622	2,037	12,836	59,805
	2002	4,818	13,074	19,560	9,016	2,088	11,694	60,250
	2003	6,426	14,287	15,375	6,848	1,013	12,223	56,172
2004	1,171	11,742	19,859	9,573	1,436	10,622	54,403	
2005	3,162	10,244	12,019	5,554	1,766	9,627	42,371	
2006	1,466	15,683	13,974	10,665	1,928	11,058	54,773	

Table 1. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
801-1000	2007	2,690	16,824	8,747	6,985	1,656	12,644	49,545
	2008	1,398	9,033	15,129	4,392	2,210	8,240	40,402
	2009	4,809	11,862	12,012	6,831	1,929	14,735	52,178
	2010	3,298	8,900	22,600	14,786	2,334	15,531	67,449
	2011	3,393	14,924	26,363	18,613	1,849	15,933	81,075
	2012	8,736	14,082	14,818	5,187	1,959	11,294	56,076
	2013	-	11,859	12,057	5,108	1,099	9,696	39,820
	2014	-	13,329	5,432	4,006	931	11,063	34,760
151-1000	1990	84,990	97,719	117,392	157,152	36,225	56,034	549,513
	1991	66,446	99,037	122,531	124,246	18,610	73,088	503,958
	1992	42,998	80,135	104,409	131,770	18,526	69,160	446,997
	1993	89,864	92,807	115,640	102,045	17,216	69,514	487,085
	1994	82,469	75,148	89,877	83,475	16,320	53,596	400,885
	1995	84,003	72,205	102,836	65,929	9,799	49,786	384,557
	1996	76,609	86,970	127,124	67,105	11,009	44,879	413,696
	1997	80,370	80,078	105,039	64,890	11,495	47,747	389,619
	1998	80,659	73,322	108,099	50,288	11,110	47,773	371,250
	1999	79,689	98,253	80,877	50,639	13,697	45,622	368,777
	2000	106,342	75,648	66,137	40,941	5,978	41,798	336,843
	2001	133,461	87,500	78,449	34,539	7,897	39,839	381,686
	2002	100,444	95,219	104,155	58,970	10,171	39,455	408,414
	2003	105,844	92,605	90,111	61,868	5,028	37,044	392,500
	2004	101,191	93,223	114,099	48,979	6,124	33,303	396,919
	2005	123,209	82,418	73,217	40,211	9,336	33,747	362,139
	2006	96,514	92,504	97,598	49,264	12,194	41,143	389,218
	2007	67,424	76,491	73,832	49,814	9,479	39,220	316,259
	2008	76,732	85,488	80,195	38,747	10,270	29,616	321,048
	2009	86,338	63,941	87,364	40,691	7,381	38,833	324,547
	2010	71,777	64,951	96,956	72,094	12,987	46,789	365,555
	2011	115,891	110,131	130,015	58,762	8,296	46,273	469,368
	2012	101,594	89,766	73,588	40,259	7,841	34,394	347,442
	2013	55,088	55,931	69,387	31,998	5,872	32,684	250,959
	2014	91,011	69,762	72,583	44,306	4,851	34,531	317,043

Table 2. -- Relative population number (RPN) of shortspine thornyhead by North Pacific Fishery Management Council (NPFMC) regulatory districts and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
151-200	1990	317	0	0	700	860	-	1,877
	1991	188	7	0	343	430	-	969
	1992	296	97	276	0	0	-	670
	1993	15	0	701	0	0	-	716
	1994	594	57	0	0	0	-	651
	1995	83	146	0	1,023	0	-	1,252
	1996	170	0	0	0	0	-	170
	1997	497	0	0	45	-	-	543
	1998	98	49	0	512	0	0	659
	1999	63	0	0	0	0	-	63
	2000	12	49	0	0	3,872	0	3,932
	2001	120	134	0	0	0	-	254
	2002	483	49	0	0	0	0	531
	2003	1,000	83	207	136	-	-	1,427
	2004	931	0	0	853	0	-	1,784
	2005	132	0	0	1,155	0	-	1,286
	2006	125	0	0	767	0	-	893
	2007	149	7	0	149	0	-	305
	2008	2,605	367	39	1,009	-	0	4,019
	2009	1,553	8	0	161	0	-	1,723
2010	4,675	0	0	259	0	-	4,935	
2011	1,635	174	166	178	-	-	2,153	
2012	2,943	125	119	2,510	0	-	5,697	
2013	743	0	0	285	0	-	1,029	
2014	917	137	0	605	0	2,938	4,596	
201-300	1990	2,689	1,092	665	973	617	713	6,749
	1991	2,803	867	653	992	635	699	6,649
	1992	6,165	2,114	1,050	1,004	541	817	11,691
	1993	2,683	955	689	1,144	613	752	6,836
	1994	3,509	945	695	524	445	52	6,171
	1995	1,743	506	489	819	365	1,066	4,987
	1996	3,401	652	789	1,036	317	1,027	7,222
	1997	1,339	664	729	1,097	373	1,015	5,217
	1998	2,527	947	1,134	998	338	389	6,334

Table 2. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
201-300	1999	1,334	1,973	1,246	1,688	784	776	7,801
	2000	1,810	1,964	935	1,025	594	573	6,900
	2001	2,254	2,058	1,494	2,230	1,172	679	9,888
	2002	2,371	2,489	1,201	1,541	517	409	8,529
	2003	2,675	2,080	1,078	1,749	535	278	8,396
	2004	2,103	1,733	1,270	1,556	236	268	7,166
	2005	2,298	2,551	2,092	2,851	846	810	11,449
	2006	3,986	2,268	1,934	1,927	407	630	11,152
	2007	3,771	2,566	2,319	2,367	554	557	12,133
	2008	7,109	3,886	2,440	2,679	599	874	17,587
	2009	5,301	3,756	2,940	1,543	274	1,153	14,967
	2010	6,866	5,250	4,071	2,504	442	739	19,872
	2011	4,185	4,208	2,948	2,930	520	1,280	16,071
	2012	4,773	2,824	2,746	1,928	193	432	12,895
2013	8,960	5,000	4,254	3,113	347	468	22,143	
2014	8,100	3,234	2,808	2,530	449	839	17,960	
301-400	1990	1,805	652	828	929	315	695	5,224
	1991	1,830	1,288	1,535	930	224	851	6,657
	1992	5,167	1,679	1,141	1,571	517	751	10,826
	1993	2,191	1,423	1,545	1,287	690	912	8,048
	1994	2,542	847	1,014	1,029	309	197	5,938
	1995	1,683	954	1,047	1,412	445	875	6,417
	1996	2,842	1,144	1,251	1,200	355	730	7,523
	1997	1,615	606	1,357	1,706	644	503	6,431
	1998	1,779	720	1,294	834	506	1,202	6,335
	1999	1,496	704	1,068	1,672	503	687	6,130
	2000	1,445	1,187	1,112	737	254	492	5,227
	2001	1,649	1,468	1,712	2,022	285	435	7,572
	2002	1,777	1,918	1,631	1,641	292	743	8,001
	2003	1,501	1,125	1,421	1,735	278	451	6,512
	2004	1,944	1,000	994	1,058	148	568	5,712
	2005	1,190	855	2,000	1,351	659	947	7,001
2006	2,651	767	1,732	1,406	510	689	7,754	
2007	2,631	1,741	1,671	1,389	288	639	8,359	
2008	1,671	2,065	2,189	2,145	345	1,150	9,565	
2009	3,681	1,716	2,089	1,757	408	1,004	10,655	

Table 2. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
301-400	2010	2,398	2,271	3,080	2,529	1,085	1,083	12,446
	2011	2,039	1,277	2,274	3,045	660	1,198	10,494
	2012	1,679	1,725	2,592	2,434	333	717	9,480
	2013	4,828	2,513	2,910	3,335	450	874	14,911
	2014	3,810	1,959	2,400	2,296	366	1,121	11,953
401-600	1990	1,232	1,536	1,611	981	136	603	6,100
	1991	2,495	2,733	4,490	1,431	89	694	11,932
	1992	4,919	4,927	3,598	1,355	183	890	15,873
	1993	2,989	2,331	4,346	1,902	445	993	13,006
	1994	2,860	2,339	2,520	2,225	226	646	10,816
	1995	4,756	2,448	2,618	2,450	265	1,110	13,647
	1996	4,392	2,950	2,710	1,882	341	943	13,217
	1997	2,343	2,135	4,773	2,321	388	920	12,881
	1998	1,603	4,302	4,471	1,840	224	1,120	13,560
	1999	3,351	3,550	4,853	3,143	467	1,323	16,687
	2000	2,205	2,985	3,024	2,454	247	1,064	11,979
	2001	2,629	6,474	4,323	3,983	360	1,106	18,877
	2002	4,064	6,815	3,947	2,115	263	1,161	18,365
	2003	3,512	3,740	3,119	3,207	395	807	14,780
	2004	2,517	2,514	2,342	2,174	220	664	10,431
	2005	2,209	3,192	3,862	2,474	362	1,204	13,304
	2006	2,663	1,808	4,337	2,407	378	1,192	12,785
	2007	1,483	2,071	3,093	2,351	599	1,255	10,852
	2008	3,104	3,936	4,422	3,625	318	1,877	17,282
	2009	3,889	1,659	4,251	2,596	511	1,729	14,636
2010	3,513	2,367	4,627	3,652	772	1,575	16,506	
2011	2,661	3,356	4,866	3,471	554	2,270	17,178	
2012	1,351	2,907	6,490	3,444	409	1,710	16,311	
2013	3,863	2,791	6,918	3,913	389	2,115	19,990	
2014	2,333	3,782	4,050	2,301	331	1,855	14,652	
601-800	1990	1,534	3,177	1,036	601	45	666	7,059
	1991	742	4,049	2,333	1,043	34	770	8,971
	1992	2,697	4,735	3,389	1,282	26	1,061	13,191
	1993	1,690	3,100	3,771	1,553	26	909	11,048
	1994	1,442	2,272	2,343	1,296	95	916	8,365
	1995	2,146	2,078	2,650	2,421	73	1,458	10,827

Table 2. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
601-800	1996	3,097	4,142	2,812	1,676	129	1,339	13,195
	1997	1,599	2,784	3,935	2,593	229	1,454	12,595
	1998	2,434	3,602	4,013	2,019	38	1,774	13,880
	1999	2,054	3,843	3,598	2,561	169	2,031	14,255
	2000	2,029	3,320	3,223	2,433	92	1,715	12,812
	2001	2,224	6,099	6,048	3,606	195	1,648	19,820
	2002	3,540	5,933	3,391	1,573	180	1,487	16,104
	2003	3,854	5,383	3,353	2,649	166	1,079	16,485
	2004	2,743	2,583	3,112	1,685	225	925	11,271
	2005	1,794	3,747	4,139	2,868	133	1,456	14,138
	2006	1,591	2,715	3,098	2,340	262	1,908	11,915
	2007	874	3,627	2,978	2,534	165	2,634	12,812
	2008	1,597	6,149	4,251	4,185	203	2,601	18,985
	2009	1,815	4,338	2,993	2,275	238	2,191	13,850
2010	2,399	4,764	4,617	3,373	370	2,540	18,063	
2011	1,263	4,982	4,892	3,285	190	2,749	17,361	
2012	798	6,418	5,719	3,632	296	1,975	18,839	
2013	2,712	7,901	5,929	4,291	168	3,278	24,280	
2014	2,398	5,769	4,131	2,098	149	2,197	16,742	
801-1000	1990	1,236	3,457	1,273	467	46	375	6,854
	1991	1,373	3,876	1,062	949	0	558	7,818
	1992	-	2,983	1,404	748	92	753	5,980
	1993	1,658	2,794	2,169	1,079	107	896	8,704
	1994	686	2,886	1,250	1,728	191	783	7,524
	1995	1,633	1,754	3,147	917	55	933	8,437
	1996	1,572	2,818	1,526	752	27	1,328	8,022
	1997	450	1,775	3,536	1,273	66	1,343	8,443
	1998	1,355	2,737	2,275	1,001	46	1,212	8,626
	1999	46	3,966	2,303	1,038	189	1,754	9,296
	2000	1,011	3,879	1,593	1,138	48	1,514	9,183
	2001	1,778	5,919	4,860	1,392	110	1,414	15,473
	2002	4,783	3,252	3,720	835	97	1,107	13,794
2003	1,148	4,875	4,113	1,102	76	991	12,306	
2004	971	2,182	3,344	673	163	920	8,254	
2005	3,286	3,381	2,182	1,001	108	1,486	11,444	
2006	1,313	4,975	2,252	2,285	321	1,935	13,082	

Table 2. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
801-1000	2007	4,209	5,231	1,578	1,012	414	3,139	15,584
	2008	1,196	4,970	4,729	1,300	239	2,677	15,112
	2009	4,341	4,473	2,319	1,077	129	1,992	14,331
	2010	3,695	3,467	2,407	3,337	336	2,176	15,418
	2011	3,549	3,468	3,983	1,631	89	2,401	15,121
	2012	1,248	4,160	3,847	1,996	296	1,811	13,358
	2013	-	5,676	4,190	2,587	105	2,335	14,894
	2014	-	6,352	4,616	1,046	89	1,671	13,774
151-1000	1990	8,813	9,914	5,414	4,650	2,020	3,053	33,864
	1991	9,430	12,821	10,073	5,688	1,412	3,571	42,996
	1992	19,245	16,535	10,859	5,959	1,358	4,274	58,231
	1993	11,225	10,602	13,221	6,965	1,882	4,462	48,357
	1994	11,633	9,346	7,822	6,803	1,266	2,594	39,465
	1995	12,044	7,887	9,951	9,042	1,203	5,441	45,568
	1996	15,475	11,706	9,089	6,545	1,168	5,367	49,350
	1997	7,842	7,964	14,330	9,035	1,701	5,236	46,109
	1998	9,796	12,357	13,187	7,204	1,153	5,697	49,394
	1999	8,345	14,036	13,067	10,102	2,113	6,569	54,232
	2000	8,511	13,384	9,887	7,786	5,106	5,358	50,033
	2001	10,654	22,152	18,437	13,234	2,123	5,282	71,883
	2002	17,017	20,456	13,890	7,705	1,349	4,908	65,325
	2003	13,691	17,287	13,292	10,579	1,451	3,607	59,906
	2004	11,208	10,012	11,061	8,000	992	3,344	44,617
	2005	10,910	13,726	14,275	11,700	2,108	5,903	58,622
	2006	12,330	12,533	13,352	11,133	1,878	6,355	57,582
	2007	13,116	15,243	11,640	9,802	2,020	8,225	60,045
	2008	17,281	21,373	18,070	14,943	1,704	9,179	82,550
	2009	20,581	15,951	14,592	9,408	1,560	8,069	70,162
	2010	23,546	18,120	18,801	15,654	3,006	8,113	87,240
	2011	15,333	17,465	19,130	14,540	2,013	9,898	78,379
	2012	12,792	18,160	21,513	15,943	1,527	6,645	76,579
	2013	21,107	23,882	24,201	17,525	1,460	9,070	97,245
2014	17,557	21,233	18,006	10,875	1,384	10,621	79,676	

Table 3. -- Relative population number (RPN) of roughey and blackspotted rockfish by North Pacific Fishery Management Council (NPFMC) regulatory districts and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
151-200	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	0	162	NA	NA	162
	1992	88	0	645	60	0	-	793
	1993	62	0	0	0	0	-	62
	1994	729	0	0	0	0	-	729
	1995	1,240	0	2,211	0	0	-	3,451
	1996	411	5	0	0	0	-	416
	1997	866	0	2,487	0	-	-	3,353
	1998	446	0	0	0	0	0	446
	1999	293	0	0	0	0	-	293
	2000	519	0	0	0	0	0	519
	2001	1,448	0	1,257	0	0	-	2,706
	2002	1,039	0	1,566	0	0	0	2,604
	2003	268	16	1,663	0	-	-	1,947
	2004	1,918	6	207	0	0	-	2,132
	2005	14	18	592	0	0	-	624
	2006	507	7	592	0	0	-	1,107
	2007	1,895	13	1,658	0	0	-	3,566
	2008	1,383	10	118	0	-	0	1,512
	2009	1,300	8	3,353	0	0	-	4,661
2010	1,696	0	0	0	0	-	1,696	
2011	1,266	30	0	0	-	-	1,296	
2012	805	6	0	0	0	-	811	
2013	1,571	0	0	0	0	-	1,571	
2014	2,179	35	0	47	0	0	2,260	
201-300	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	1,209	465	NA	NA	1,674
	1992	3,797	340	1,864	412	464	584	7,462
	1993	4,389	413	1,748	187	151	1,021	7,908
	1994	2,189	293	727	217	74	1,245	4,743
	1995	4,487	209	1,947	157	0	55	6,855
	1996	3,253	333	2,747	691	105	1,510	8,638
	1997	4,342	212	1,648	182	207	2,253	8,844
	1998	3,154	206	1,506	265	54	1,261	6,445

Table 3. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
201-300	1999	3,382	583	2,091	550	271	308	7,184
	2000	6,459	542	1,882	260	110	905	10,158
	2001	4,273	2,714	1,616	382	492	822	10,299
	2002	5,105	585	1,923	509	143	490	8,754
	2003	2,304	1,129	945	236	50	559	5,224
	2004	6,239	895	1,561	416	428	1,007	10,547
	2005	1,303	1,148	1,495	482	141	1,353	5,921
	2006	2,708	2,509	1,589	531	109	492	7,938
	2007	5,583	490	2,244	326	239	483	9,364
	2008	3,200	1,522	1,331	1,731	380	567	8,732
	2009	4,011	2,556	1,474	92	69	807	9,009
	2010	8,726	2,518	2,536	754	277	1,056	15,868
	2011	6,670	1,788	2,385	881	126	1,734	13,584
	2012	4,140	2,197	1,321	1,084	566	410	9,718
2013	5,226	541	1,518	334	155	733	8,508	
2014	5,539	2,054	1,905	1,859	177	989	12,524	
301-400	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	3,005	1,616	NA	NA	4,621
	1992	3,023	593	2,165	2,367	772	1,825	10,745
	1993	2,178	1,084	2,262	2,695	1,207	3,466	12,890
	1994	1,457	428	1,204	1,694	524	5,961	11,268
	1995	3,552	1,222	2,514	1,902	1,439	4,625	15,253
	1996	2,171	672	1,723	2,756	603	6,198	14,123
	1997	2,214	1,002	2,496	2,820	756	10,145	19,433
	1998	2,483	833	3,303	2,104	537	4,791	14,052
	1999	2,337	1,036	2,807	2,608	915	6,867	16,570
	2000	3,175	1,456	5,716	3,252	620	7,001	21,221
	2001	2,969	1,737	2,326	1,783	757	4,432	14,004
	2002	4,011	1,106	2,460	1,329	1,761	4,710	15,378
	2003	3,395	481	1,211	1,057	1,535	8,174	15,853
2004	2,074	455	1,476	2,336	837	5,069	12,247	
2005	1,695	813	2,000	1,905	534	3,653	10,601	
2006	2,107	399	1,659	1,085	885	3,894	10,030	
2007	3,972	2,258	3,008	2,527	1,271	4,068	17,104	
2008	2,033	1,874	3,093	3,756	1,414	4,727	16,897	
2009	2,111	1,142	2,951	1,950	1,138	5,338	14,631	

Table 3. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
301-400	2010	2,597	814	2,256	1,603	1,012	5,310	13,592
	2011	5,700	929	4,322	2,693	1,120	5,008	19,772
	2012	3,204	534	1,709	2,303	375	5,175	13,300
	2013	3,015	1,230	2,415	1,053	901	4,631	13,246
	2014	1,588	943	2,629	2,832	1,365	6,995	16,352
401-600	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	49	289	NA	NA	338
	1992	139	29	155	416	104	1,747	2,590
	1993	207	0	19	534	187	1,421	2,368
	1994	297	23	14	335	76	2,145	2,889
	1995	1,449	45	53	333	249	2,531	4,660
	1996	262	4	9	206	90	2,144	2,714
	1997	457	30	146	697	229	4,186	5,745
	1998	350	65	249	394	247	2,365	3,670
	1999	585	12	86	818	261	3,137	4,898
	2000	1,182	15	247	736	112	3,787	6,078
	2001	983	37	120	637	172	1,828	3,777
	2002	280	41	55	589	270	1,586	2,820
	2003	357	73	27	274	263	1,764	2,759
	2004	934	27	24	437	122	2,625	4,171
	2005	200	23	48	487	92	1,115	1,965
	2006	277	27	37	314	70	1,134	1,859
	2007	319	8	59	975	165	2,689	4,215
	2008	198	97	196	970	97	1,416	2,973
	2009	310	22	124	961	200	1,519	3,136
2010	891	7	56	298	240	2,040	3,533	
2011	578	17	128	808	166	1,506	3,203	
2012	358	8	97	1,554	135	1,360	3,512	
2013	343	0	96	380	163	846	1,828	
2014	209	7	52	675	129	1,822	2,894	
601-800	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	0	106	NA	NA	106
	1992	0	0	2	20	11	104	137
	1993	0	16	0	28	53	76	173
	1994	0	0	7	9	45	670	730
	1995	0	0	12	78	7	159	256

Table 3. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
601-800	1996	0	0	15	88	20	204	327
	1997	15	0	0	30	24	216	284
	1998	19	59	11	26	28	661	803
	1999	0	17	3	20	19	536	595
	2000	53	8	6	67	31	904	1,070
	2001	12	0	6	14	19	263	315
	2002	0	0	0	61	25	121	207
	2003	0	0	0	39	47	280	365
	2004	21	0	8	71	5	147	253
	2005	0	0	7	37	8	89	142
	2006	0	0	12	39	20	137	208
	2007	0	0	16	29	5	105	156
	2008	0	0	0	110	30	132	271
	2009	0	9	23	29	8	82	151
	2010	0	21	11	34	22	268	357
2011	0	0	0	35	43	284	362	
2012	0	32	0	34	9	64	139	
2013	5	0	0	7	4	103	120	
2014	0	0	0	33	13	160	206	
801-1000	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	0	0	NA	NA	0
	1992	-	0	6	22	15	41	85
	1993	0	0	0	23	37	42	102
	1994	0	0	0	0	0	492	492
	1995	0	0	0	0	3	187	190
	1996	0	0	0	32	27	162	220
	1997	0	0	0	0	0	115	115
	1998	0	0	0	90	10	554	653
	1999	0	22	0	10	42	284	358
	2000	0	0	0	59	47	863	970
	2001	0	0	0	122	9	97	228
2002	0	17	0	25	0	182	224	
2003	0	0	0	32	3	145	181	
2004	0	0	0	61	7	191	260	
2005	0	0	15	12	3	97	127	
2006	0	0	0	11	8	121	141	

Table 3. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
801-1000	2007	0	0	0	9	0	69	79
	2008	0	0	0	82	55	157	294
	2009	0	0	0	0	0	95	95
	2010	0	0	0	16	57	230	303
	2011	0	21	0	0	20	93	133
	2012	0	0	0	87	11	4	102
	2013	-	0	0	0	0	59	59
	2014	-	0	0	36	6	68	111
151-1000	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	4,263	2,637	NA	NA	6,900
	1992	7,047	962	4,837	3,298	1,365	4,301	21,811
	1993	6,836	1,512	4,028	3,466	1,634	6,026	23,502
	1994	4,673	743	1,951	2,254	719	10,512	20,851
	1995	10,728	1,476	6,737	2,470	1,698	7,555	30,665
	1996	6,097	1,014	4,494	3,773	844	10,217	26,439
	1997	7,894	1,244	6,777	3,729	1,216	16,914	37,774
	1998	6,453	1,163	5,068	2,878	875	9,632	26,070
	1999	6,596	1,670	4,987	4,006	1,507	11,132	29,898
	2000	11,387	2,021	7,852	4,373	921	13,461	40,014
	2001	9,686	4,489	5,325	2,938	1,450	7,441	31,329
	2002	10,434	1,749	6,004	2,513	2,198	7,089	29,987
	2003	6,324	1,700	3,846	1,638	1,899	10,922	26,329
	2004	11,186	1,384	3,276	3,321	1,400	9,040	29,608
	2005	3,212	2,002	4,158	2,923	778	6,308	19,380
	2006	5,599	2,943	3,890	1,980	1,092	5,778	21,282
2007	11,769	2,769	6,985	3,867	1,680	7,413	34,484	
2008	6,814	3,504	4,739	6,648	1,976	6,998	30,679	
2009	7,732	3,736	7,925	3,033	1,415	7,841	31,683	
2010	13,911	3,361	4,860	2,705	1,609	8,904	35,349	
2011	14,213	2,785	6,836	4,417	1,474	8,624	38,350	
2012	8,507	2,777	3,128	5,061	1,095	7,013	27,582	
2013	10,161	1,772	4,029	1,774	1,223	6,374	25,332	
2014	9,515	3,040	4,586	5,482	1,691	10,034	34,348	

Table 4. -- Relative population number (RPN) of shortraker rockfish by North Pacific Fishery Management Council (NPFMC) regulatory districts and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
151-200	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	0	693	NA	NA	693
	1992	21	0	0	0	0	-	21
	1993	0	0	1,661	0	0	-	1,661
	1994	0	0	0	0	0	-	0
	1995	68	0	0	0	0	-	68
	1996	0	0	0	299	0	-	299
	1997	8	0	0	0	-	-	8
	1998	8	0	0	0	0	0	8
	1999	0	0	0	54	0	-	54
	2000	0	0	0	394	0	0	394
	2001	0	0	90	67	0	-	157
	2002	32	0	92	1,214	0	0	1,339
	2003	38	8	64	0	-	-	109
	2004	288	0	0	439	0	-	727
	2005	0	0	0	364	0	-	364
	2006	97	0	0	64	0	-	160
	2007	0	0	0	349	0	-	349
	2008	532	0	0	0	-	0	532
	2009	37	0	239	512	0	-	788
2010	210	0	0	158	0	-	368	
2011	0	0	0	0	-	-	0	
2012	51	0	0	640	0	-	691	
2013	48	0	0	0	0	-	48	
2014	182	0	0	140	0	0	322	
201-300	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	128	996	NA	NA	1,124
	1992	120	71	163	864	597	19	1,833
	1993	186	12	98	296	0	119	711
	1994	615	25	69	416	226	464	1,815
	1995	2,034	12	101	674	0	73	2,894
	1996	662	101	423	539	817	461	3,004
	1997	722	6	73	1,844	259	143	3,048
	1998	1,020	111	145	871	592	104	2,844

Table 4. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
201-300	1999	640	169	282	445	802	86	2,425
	2000	2,168	143	309	772	589	557	4,537
	2001	1,307	367	385	2,122	58	62	4,301
	2002	1,291	188	399	387	203	95	2,563
	2003	1,375	244	187	880	162	333	3,181
	2004	3,816	179	187	445	494	354	5,474
	2005	1,109	75	389	834	33	250	2,689
	2006	714	201	490	705	594	31	2,734
	2007	1,147	94	684	952	526	165	3,567
	2008	642	275	648	1,305	92	81	3,041
	2009	1,785	145	2,170	660	118	120	4,998
	2010	1,493	337	658	723	569	84	3,864
	2011	3,030	417	660	621	0	156	4,884
	2012	771	557	414	1,179	1,279	20	4,219
2013	1,165	231	611	485	173	68	2,733	
2014	1,127	641	753	1,641	397	176	4,734	
301-400	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	1,238	2,808	NA	NA	4,046
	1992	805	333	915	2,264	2,700	180	7,198
	1993	952	137	846	2,210	2,416	1,531	8,092
	1994	1,244	573	725	1,473	1,868	1,074	6,957
	1995	1,525	272	984	2,456	2,562	1,530	9,329
	1996	1,483	376	1,448	3,308	1,926	800	9,341
	1997	1,218	641	1,424	4,611	2,582	945	11,422
	1998	2,172	703	1,554	5,301	4,645	1,702	16,077
	1999	1,927	342	1,930	3,928	4,727	1,395	14,250
	2000	3,381	596	2,092	6,421	2,159	1,725	16,374
	2001	1,812	339	2,397	4,812	4,343	1,415	15,118
	2002	1,189	314	1,173	2,245	4,386	2,012	11,320
	2003	1,356	491	1,034	2,100	2,714	2,222	9,918
2004	1,042	242	1,095	3,487	1,518	1,050	8,434	
2005	536	159	947	2,638	2,130	709	7,118	
2006	1,965	274	2,262	2,551	2,140	1,108	10,301	
2007	1,615	525	2,117	4,630	3,511	1,506	13,904	
2008	1,265	431	2,198	4,607	2,835	1,250	12,587	
2009	1,322	308	2,971	4,717	1,817	1,078	12,214	

Table 4. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
301-400	2010	1,281	280	1,094	2,404	1,031	1,134	7,225
	2011	2,955	750	2,371	2,485	2,121	1,173	11,854
	2012	1,835	367	2,092	2,365	1,848	861	9,367
	2013	1,346	378	1,299	1,402	1,336	1,562	7,325
	2014	576	426	2,435	4,523	1,552	1,000	10,513
401-600	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	168	848	NA	NA	1,016
	1992	349	114	295	1,124	987	589	3,458
	1993	334	57	117	1,232	867	526	3,132
	1994	707	17	246	573	612	386	2,542
	1995	2,206	246	240	569	1,690	757	5,709
	1996	1,935	152	360	1,143	640	603	4,833
	1997	943	271	664	1,486	1,511	1,292	6,166
	1998	1,434	139	754	2,133	1,611	1,143	7,214
	1999	2,292	312	859	1,869	1,430	1,314	8,076
	2000	3,724	559	429	2,551	1,407	1,347	10,017
	2001	1,893	263	748	1,348	1,407	1,079	6,737
	2002	886	191	383	1,163	1,459	892	4,973
	2003	777	74	267	570	783	1,160	3,631
	2004	1,612	53	128	1,188	324	1,270	4,575
	2005	397	40	460	778	483	909	3,068
	2006	1,170	107	329	729	1,200	788	4,322
	2007	671	95	1,382	2,126	1,252	1,035	6,561
	2008	1,443	107	899	2,272	1,307	1,104	7,132
	2009	1,202	29	892	1,565	1,175	967	5,830
2010	1,749	187	211	632	806	550	4,135	
2011	2,204	164	894	1,105	1,233	817	6,417	
2012	1,057	71	718	798	706	640	3,989	
2013	1,442	117	671	938	662	581	4,411	
2014	1,093	158	608	1,346	1,037	622	4,864	
601-800	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	0	40	NA	NA	40
	1992	56	0	0	33	52	15	157
	1993	51	23	7	41	51	12	186
	1994	0	0	0	17	39	13	68
	1995	0	0	0	15	24	61	101

Table 4. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
601-800	1996	21	0	0	0	34	92	147
	1997	5	0	39	42	72	86	245
	1998	16	20	55	50	61	175	377
	1999	153	0	6	73	110	274	616
	2000	277	0	60	62	35	385	819
	2001	138	63	174	53	33	89	550
	2002	39	258	26	24	75	88	509
	2003	68	0	21	32	56	224	401
	2004	7	0	0	42	22	190	261
	2005	0	0	11	9	42	24	87
	2006	51	349	0	28	24	179	631
	2007	133	0	17	76	96	169	492
	2008	0	0	3	61	39	101	204
	2009	18	0	0	21	50	127	217
2010	5	0	0	17	20	69	111	
2011	0	0	3	56	42	74	175	
2012	0	0	0	48	18	16	83	
2013	5	0	7	41	37	84	175	
2014	30	27	29	70	47	135	338	
801-1000	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	0	0	NA	NA	0
	1992	-	0	0	0	0	5	5
	1993	0	0	0	8	0	10	18
	1994	0	0	0	0	0	0	0
	1995	0	0	0	0	2	5	7
	1996	0	18	0	0	0	10	28
	1997	0	0	0	0	0	0	0
	1998	0	0	0	0	31	135	166
	1999	0	0	0	10	0	98	108
	2000	0	0	14	0	0	11	25
	2001	0	0	0	0	2	0	2
2002	0	0	0	0	0	11	11	
2003	0	0	0	0	13	12	26	
2004	0	0	0	0	0	10	10	
2005	0	0	0	12	3	15	29	
2006	0	0	0	0	0	0	0	

Table 4. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
801-1000	2007	0	0	0	0	0	0	0
	2008	0	0	0	0	0	0	0
	2009	0	0	0	0	0	0	0
	2010	0	0	383	0	41	0	424
	2011	0	0	0	0	39	7	46
	2012	0	0	0	0	0	0	0
	2013	-	0	0	0	0	55	55
	2014	-	0	0	0	6	0	6
151-1000	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	1,533	5,386	NA	NA	6,919
	1992	1,351	518	1,373	4,285	4,337	808	12,671
	1993	1,523	229	2,728	3,787	3,333	2,198	13,799
	1994	2,566	616	1,040	2,478	2,744	1,937	11,381
	1995	5,833	531	1,325	3,714	4,278	2,427	18,107
	1996	4,102	646	2,231	5,289	3,418	1,965	17,652
	1997	2,896	918	2,200	7,984	4,425	2,466	20,889
	1998	4,650	973	2,509	8,355	6,940	3,258	26,685
	1999	5,012	823	3,078	6,379	7,069	3,168	25,529
	2000	9,550	1,298	2,904	10,199	4,190	4,025	32,165
	2001	5,150	1,031	3,793	8,402	5,842	2,646	26,863
	2002	3,437	951	2,074	5,033	6,123	3,098	20,716
	2003	3,614	817	1,574	3,582	3,730	3,951	17,266
	2004	6,765	474	1,409	5,601	2,357	2,874	19,481
	2005	2,041	274	1,807	4,635	2,692	1,905	13,354
	2006	3,997	931	3,080	4,077	3,957	2,106	18,149
2007	3,566	714	4,200	8,132	5,385	2,876	24,873	
2008	3,882	813	3,748	8,245	4,272	2,536	23,496	
2009	4,364	482	6,273	7,475	3,160	2,292	24,046	
2010	4,739	804	2,346	3,935	2,467	1,837	16,128	
2011	8,188	1,331	3,928	4,267	3,436	2,227	23,377	
2012	3,714	994	3,223	5,030	3,850	1,537	18,349	
2013	4,007	725	2,589	2,867	2,209	2,350	14,747	
2014	3,009	1,251	3,825	7,720	3,040	1,934	20,778	

Table 5. -- Relative population number (RPN) of Pacific cod by North Pacific Fishery Management Council (NPFMC) regulatory districts and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
151-200	1990	36,000	18,560	10,894	21,533	0	-	86,987
	1991	31,614	12,297	9,717	28,610	2,366	-	84,604
	1992	42,372	16,490	4,676	30,919	0	-	94,458
	1993	32,675	16,886	12,534	27,898	25,000	-	114,992
	1994	33,742	13,307	2,573	11,047	7,610	-	68,278
	1995	48,118	15,416	5,527	17,418	2,581	-	89,059
	1996	35,048	10,202	9,015	7,820	516	-	62,601
	1997	28,265	10,180	8,681	23,262	-	-	70,389
	1998	37,782	9,656	14,426	14,425	18,067	8,247	102,602
	1999	29,654	8,007	13,915	12,973	1,291	-	65,839
	2000	27,423	3,836	6,891	6,942	0	0	45,092
	2001	15,983	8,022	682	1,586	0	-	26,273
	2002	28,028	5,578	5,501	603	0	548	40,258
	2003	20,089	13,079	7,707	1,523	-	-	42,398
	2004	16,774	9,240	10,190	3,287	0	-	39,492
	2005	8,552	5,560	4,979	3,242	0	-	22,334
	2006	11,347	4,737	4,387	3,168	0	-	23,639
	2007	12,518	4,583	5,020	4,258	0	-	26,379
	2008	8,269	3,600	3,051	6,780	-	0	21,700
	2009	25,397	10,949	6,558	10,090	0	-	52,994
2010	22,451	16,216	4,893	24,357	1,032	-	68,949	
2011	22,490	11,670	18,674	16,273	-	-	69,106	
2012	22,167	10,771	6,905	6,156	0	-	45,999	
2013	21,931	6,988	2,776	5,609	0	-	37,304	
2014	20,121	10,973	3,287	9,044	1,291	1,469	46,184	
201-300	1990	10,973	6,083	4,330	1,477	167	1,629	24,660
	1991	5,892	5,729	4,423	1,985	185	1,442	19,655
	1992	20,718	3,990	4,206	2,688	80	1,653	33,335
	1993	17,648	6,665	3,896	2,896	1,613	1,481	34,198
	1994	16,083	4,889	3,865	1,002	167	554	26,560
	1995	16,452	6,605	3,524	1,415	21	727	28,744
	1996	10,457	5,211	1,988	509	19	690	18,874
	1997	9,782	4,255	7,182	1,178	0	1,040	23,436
1998	5,199	3,217	4,153	1,777	412	1,501	16,260	

Table 5. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
201-300	1999	6,255	1,958	5,146	966	63	1,444	15,832
	2000	2,896	398	560	550	0	385	4,788
	2001	2,340	491	149	110	0	28	3,118
	2002	5,410	1,050	324	134	0	235	7,154
	2003	6,453	1,519	538	130	17	862	9,519
	2004	1,023	2,427	1,862	333	0	624	6,269
	2005	487	506	526	459	36	430	2,444
	2006	2,593	737	726	255	20	570	4,901
	2007	1,234	752	968	230	0	261	3,444
	2008	921	415	521	225	0	232	2,314
	2009	6,190	1,563	59	705	56	601	9,174
	2010	8,261	1,342	440	531	17	1,511	12,101
	2011	4,273	3,037	4,746	1,124	269	833	14,283
	2012	5,733	1,956	1,141	750	76	1,638	11,295
2013	4,614	1,654	467	233	19	393	7,379	
2014	3,472	3,205	4,565	817	34	1,211	13,303	
301-400	1990	115	0	70	7	0	25	217
	1991	7	28	192	138	33	69	467
	1992	301	0	788	367	0	212	1,668
	1993	164	28	872	152	0	11	1,226
	1994	78	20	190	16	0	4	307
	1995	381	19	269	101	0	29	799
	1996	283	74	38	0	0	63	459
	1997	291	58	2,412	73	0	276	3,111
	1998	0	4	1,173	164	0	140	1,481
	1999	0	6	413	105	0	46	570
	2000	0	0	0	0	0	0	0
	2001	0	0	0	0	0	0	0
	2002	18	0	0	0	0	0	18
	2003	0	0	0	0	0	0	0
	2004	0	5	0	0	0	0	5
	2005	0	0	0	0	0	0	0
2006	0	0	38	11	0	0	50	
2007	0	0	7	0	0	0	7	
2008	0	0	0	0	0	0	0	
2009	0	0	0	0	0	0	0	

Table 5. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
301-400	2010	0	0	0	0	0	0	0
	2011	11	808	95	73	0	149	1,136
	2012	11	4	23	0	0	14	53
	2013	6	0	0	0	0	48	55
	2014	0	2	30	11	0	90	133
401-600	1990	0	0	0	0	0	0	0
	1991	0	0	0	0	6	0	6
	1992	4	0	0	0	0	0	4
	1993	0	0	0	5	0	0	5
	1994	0	14	0	5	0	0	19
	1995	6	3	0	0	0	0	9
	1996	0	0	0	0	0	0	0
	1997	0	0	0	0	0	0	0
	1998	0	0	0	0	0	0	0
	1999	0	9	0	0	0	0	9
	2000	19	0	15	0	0	0	34
	2001	0	0	0	0	0	0	0
	2002	0	0	0	0	0	0	0
	2003	0	0	0	0	0	0	0
	2004	11	0	0	0	0	0	11
	2005	0	0	0	0	0	0	0
	2006	0	0	0	0	0	0	0
	2007	0	0	0	0	0	0	0
	2008	0	0	0	0	0	0	0
	2009	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	
2011	0	0	0	0	0	0	0	
2012	0	0	0	0	0	0	1	1
2013	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0
601-800	1990	0	0	0	0	0	0	0
	1991	0	0	4	0	0	0	4
	1992	0	0	5	0	0	0	5
	1993	0	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0
	1995	0	0	0	0	3	0	3

Table 5. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
601-800	1996	0	0	0	0	0	2	2
	1997	0	0	0	0	0	0	0
	1998	0	0	0	0	0	2	2
	1999	0	0	0	0	0	7	7
	2000	0	0	0	0	0	0	0
	2001	0	0	0	0	0	0	0
	2002	0	0	0	0	0	0	0
	2003	0	0	0	0	0	0	0
	2004	0	0	0	0	0	0	0
	2005	0	0	0	0	0	0	0
	2006	0	0	0	0	0	0	0
	2007	0	0	0	0	0	0	0
	2008	0	0	0	0	0	0	0
	2009	0	0	0	0	0	0	0
801-1000	2010	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0
	2013	0	0	0	0	0	0	0
	2014	0	0	0	0	0	0	0
	1990	0	0	0	0	0	0	0
	1991	0	0	0	0	0	0	0
	1992	-	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0
	1995	0	0	0	11	0	0	11
	1996	13	0	0	0	0	0	13
	1997	0	0	0	0	0	0	0
	1998	0	0	0	0	0	0	0
	1999	0	0	0	0	0	0	0
	2000	0	0	0	0	0	0	0
	2001	0	0	0	0	0	0	0
2002	0	0	0	0	0	0	0	
2003	0	0	0	0	0	0	0	
2004	0	0	0	0	0	0	0	
2005	0	0	0	0	0	0	0	
2006	0	0	0	0	0	0	0	

Table 5. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
801-1000	2007	0	0	0	0	0	0	0
	2008	0	0	0	0	0	0	0
	2009	0	0	0	0	0	0	0
	2010	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0
	2013	-	0	0	0	0	0	0
	2014	-	0	0	0	0	0	0
151-1000	1990	47,088	24,643	15,295	23,017	167	1,654	111,864
	1991	37,513	18,054	14,337	30,733	2,590	1,511	104,737
	1992	63,395	20,480	9,674	33,974	80	1,865	129,469
	1993	50,487	23,578	17,302	30,950	26,612	1,491	150,421
	1994	49,903	18,230	6,627	12,069	7,777	558	95,164
	1995	64,956	22,043	9,320	18,945	2,605	756	118,624
	1996	45,801	15,488	11,041	8,329	535	755	81,949
	1997	38,338	14,493	18,275	24,513	0	1,316	96,936
	1998	42,981	12,877	19,752	16,366	18,479	9,890	120,344
	1999	35,909	9,981	19,474	14,044	1,353	1,496	82,257
	2000	30,338	4,234	7,466	7,492	0	385	49,915
	2001	18,323	8,513	831	1,695	0	28	29,390
	2002	33,456	6,628	5,825	737	0	783	47,430
	2003	26,542	14,599	8,245	1,653	17	862	51,917
	2004	17,808	11,672	12,053	3,620	0	624	45,777
	2005	9,039	6,066	5,505	3,701	36	430	24,778
	2006	13,940	5,473	5,151	3,435	20	570	28,590
	2007	13,752	5,334	5,994	4,489	0	261	29,830
	2008	9,191	4,014	3,572	7,004	0	232	24,014
	2009	31,587	12,513	6,617	10,795	56	601	62,169
	2010	30,712	17,558	5,333	24,888	1,049	1,511	81,051
	2011	26,774	15,515	23,515	17,470	269	982	84,525
	2012	27,911	12,731	8,069	6,907	76	1,653	57,348
	2013	26,552	8,641	3,242	5,842	19	441	44,737
2014	23,593	14,180	7,882	9,872	1,324	2,770	59,621	

Table 6. -- Relative population number (RPN) of arrowtooth flounder by North Pacific Fishery Management Council (NPFMC) regulatory districts and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
151-200	1990	3,427	6,381	2,127	3,397	0	-	15,333
	1991	6,150	5,496	1,611	3,603	1,721	-	18,580
	1992	4,022	5,370	1,096	10,035	0	-	20,523
	1993	3,232	6,233	3,800	15,015	0	-	28,280
	1994	2,597	3,501	1,520	9,988	0	-	17,607
	1995	3,708	5,337	7,737	6,793	1,291	-	24,865
	1996	3,351	4,019	1,827	1,077	0	-	10,273
	1997	8,506	3,297	373	4,377	-	-	16,554
	1998	9,036	4,807	325	20,016	0	0	34,184
	1999	6,930	3,762	383	12,579	645	-	24,298
	2000	8,887	3,685	2,280	3,775	0	0	18,626
	2001	3,861	6,600	395	1,407	0	-	12,263
	2002	4,287	3,658	4,158	3,619	0	0	15,722
	2003	5,282	3,613	892	262	-	-	10,049
	2004	2,540	3,286	913	0	0	-	6,738
	2005	1,645	3,715	1,113	273	0	-	6,746
	2006	5,208	1,830	4,201	1,866	0	-	13,105
	2007	2,819	3,497	4,616	1,784	0	-	12,716
	2008	3,005	3,886	2,433	2,194	-	2,804	14,323
	2009	1,891	3,350	1,233	3,668	0	-	10,142
2010	3,769	2,689	4,221	10,579	0	-	21,258	
2011	1,882	4,095	2,161	253	-	-	8,392	
2012	1,250	952	1,061	2,712	1,291	-	7,265	
2013	1,705	2,115	1,566	4,352	0	-	9,738	
2014	732	1,127	265	6,573	0	0	8,698	
201-300	1990	5,850	5,746	5,393	1,721	178	170	19,058
	1991	7,317	4,896	6,114	938	223	632	20,120
	1992	7,655	5,077	3,889	832	305	568	18,327
	1993	6,519	9,124	9,336	3,268	102	1,040	29,388
	1994	5,492	4,318	4,385	1,750	156	379	16,480
	1995	6,633	7,606	7,605	1,227	75	645	23,790
	1996	6,716	4,720	4,400	641	19	328	16,823
	1997	8,324	3,839	5,794	1,671	218	610	20,456
	1998	14,912	5,605	6,113	3,707	643	689	31,670

Table 6. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
201-300	1999	8,581	10,113	9,969	2,721	220	501	32,106
	2000	7,118	7,579	7,838	1,733	251	706	25,225
	2001	5,541	5,781	7,695	641	309	630	20,599
	2002	4,940	3,197	3,697	291	80	217	12,421
	2003	5,375	2,879	1,667	602	190	1,108	11,821
	2004	2,472	3,195	3,588	497	84	133	9,967
	2005	1,974	2,892	3,620	580	45	140	9,251
	2006	4,707	2,508	3,308	612	142	164	11,441
	2007	4,829	3,197	3,147	695	186	534	12,587
	2008	3,658	3,023	2,972	707	251	1,357	11,969
	2009	5,044	3,638	3,272	1,011	154	955	14,074
	2010	5,275	1,801	7,902	2,261	1,125	1,447	19,811
	2011	3,143	2,653	5,154	787	753	582	13,073
	2012	2,302	1,008	1,879	867	154	253	6,462
2013	3,043	2,190	2,067	521	114	204	8,139	
2014	1,468	1,050	3,973	1,480	465	492	8,928	
301-400	1990	2,517	840	3,033	597	164	359	7,510
	1991	1,954	2,571	3,774	291	111	588	9,289
	1992	4,888	2,097	2,720	233	295	904	11,138
	1993	2,534	2,507	3,558	2,048	263	1,535	12,444
	1994	2,495	1,668	4,088	1,580	238	225	10,294
	1995	2,420	4,548	7,905	1,219	277	612	16,981
	1996	3,021	1,040	2,688	825	55	518	8,146
	1997	2,702	1,148	5,083	3,509	197	751	13,388
	1998	5,291	1,559	4,052	3,130	685	1,588	16,305
	1999	3,070	3,689	7,391	3,025	519	1,102	18,794
	2000	4,558	2,416	7,781	2,051	341	810	17,957
	2001	2,867	946	4,441	529	98	904	9,785
	2002	2,267	952	2,078	895	178	1,201	7,572
	2003	1,243	224	729	662	124	1,029	4,010
	2004	1,125	1,080	1,525	381	125	236	4,472
	2005	932	437	2,167	330	46	145	4,057
2006	1,780	1,143	1,920	431	34	811	6,118	
2007	1,535	591	2,040	516	337	1,370	6,390	
2008	1,220	944	2,784	690	416	1,609	7,662	
2009	1,907	1,640	3,594	1,129	280	1,507	10,057	

Table 6. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
301-400	2010	2,531	1,459	2,166	1,279	747	1,790	9,972
	2011	956	1,533	4,041	1,303	366	670	8,868
	2012	819	864	1,437	675	236	678	4,710
	2013	1,203	1,117	1,803	1,051	142	328	5,642
	2014	668	578	2,970	1,229	275	403	6,124
401-600	1990	1,447	456	517	66	57	82	2,624
	1991	1,239	1,255	1,475	143	49	115	4,276
	1992	1,406	1,225	1,057	55	52	239	4,034
	1993	840	2,138	2,692	611	126	183	6,589
	1994	1,583	1,483	1,787	661	72	103	5,690
	1995	1,980	2,384	2,627	723	102	173	7,988
	1996	2,090	469	279	211	130	144	3,324
	1997	2,898	384	1,592	1,290	117	317	6,597
	1998	1,513	975	963	837	130	598	5,017
	1999	4,203	1,744	2,534	600	263	391	9,736
	2000	5,660	617	2,910	891	96	329	10,502
	2001	2,268	1,426	1,141	318	36	336	5,525
	2002	1,593	584	701	664	83	362	3,986
	2003	2,253	266	132	200	91	269	3,211
	2004	601	729	280	134	20	84	1,848
	2005	770	146	637	140	28	83	1,804
	2006	1,046	694	1,224	245	65	302	3,576
	2007	720	1,512	1,640	348	142	685	5,047
	2008	1,621	1,382	1,803	254	70	540	5,671
	2009	2,173	1,044	2,659	448	102	662	7,088
2010	2,131	778	265	331	243	251	3,999	
2011	1,833	1,276	2,534	1,003	173	600	7,420	
2012	474	975	2,060	615	56	192	4,371	
2013	712	2,297	1,694	381	64	270	5,417	
2014	1,025	1,494	2,424	989	195	208	6,334	
601-800	1990	51	0	10	3	3	18	86
	1991	252	55	187	22	0	12	529
	1992	42	60	53	21	1	51	228
	1993	129	31	243	107	6	38	555
	1994	85	543	181	123	9	39	980
	1995	347	115	57	72	4	42	638

Table 6. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
601-800	1996	112	134	31	28	13	94	412
	1997	127	11	125	249	49	150	712
	1998	52	104	106	70	2	77	411
	1999	117	67	212	71	45	122	635
	2000	475	132	566	180	5	56	1,414
	2001	488	232	120	19	6	44	908
	2002	94	101	45	8	9	41	298
	2003	8	73	40	2	12	66	202
	2004	97	26	35	9	3	12	182
	2005	56	43	26	2	2	3	133
	2006	107	56	42	32	6	11	253
	2007	25	82	58	11	2	96	274
	2008	199	93	96	26	0	45	459
	2009	65	76	91	28	18	57	334
	2010	0	0	21	17	4	39	81
	2011	169	18	305	186	9	89	778
	2012	0	53	257	45	17	57	429
	2013	59	249	200	66	1	63	638
	2014	107	150	119	177	21	76	649
801-1000	1990	0	0	0	0	0	3	3
	1991	0	0	0	31	0	0	31
	1992	-	63	0	10	4	9	87
	1993	0	0	11	0	0	14	25
	1994	0	0	0	0	0	6	6
	1995	6	18	10	0	0	3	36
	1996	0	0	0	0	0	6	6
	1997	0	0	0	0	0	35	35
	1998	24	0	19	24	4	6	77
	1999	0	0	0	0	0	4	4
	2000	0	0	0	0	0	11	11
	2001	0	15	0	0	0	10	25
	2002	0	20	0	8	0	0	28
2003	0	0	0	0	0	3	3	
2004	0	0	0	0	0	0	0	
2005	0	0	0	0	0	6	6	
2006	0	0	0	0	0	12	12	

Table 6. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
801-1000	2007	0	0	0	0	0	0	0
	2008	35	0	0	0	0	5	40
	2009	0	0	0	0	0	0	0
	2010	0	0	0	0	0	0	0
	2011	0	0	0	0	0	13	13
	2012	0	0	0	0	0	4	4
	2013	-	0	0	0	0	0	0
	2014	-	0	0	0	0	20	20
151-1000	1990	13,292	13,423	11,080	5,784	401	634	44,614
	1991	16,912	14,275	13,161	5,028	2,103	1,346	52,825
	1992	18,014	13,892	8,814	11,187	659	1,771	54,337
	1993	13,253	20,033	19,640	21,048	496	2,810	77,280
	1994	12,253	11,513	11,961	14,102	476	752	51,056
	1995	15,093	20,008	25,941	10,033	1,749	1,474	74,298
	1996	15,290	10,382	9,225	2,781	217	1,091	38,986
	1997	22,557	8,679	12,966	11,096	582	1,862	57,742
	1998	30,829	13,050	11,577	27,784	1,465	2,959	87,664
	1999	22,901	19,375	20,488	18,996	1,692	2,121	85,572
	2000	26,698	14,428	21,375	8,629	693	1,912	73,735
	2001	15,025	15,001	13,792	2,913	450	1,924	49,106
	2002	13,181	8,512	10,679	5,485	349	1,822	40,028
	2003	14,161	7,056	3,459	1,728	416	2,474	29,295
	2004	6,834	8,316	6,341	1,021	231	465	23,208
	2005	5,377	7,232	7,563	1,326	121	377	21,996
	2006	12,847	6,230	10,696	3,186	246	1,300	34,505
	2007	9,927	8,879	11,500	3,355	667	2,686	37,014
	2008	9,739	9,329	10,087	3,872	737	6,360	40,123
	2009	11,079	9,749	10,849	6,283	553	3,182	41,695
	2010	13,706	6,728	14,575	14,467	2,118	3,528	55,121
	2011	7,984	9,577	14,196	3,533	1,301	1,953	38,543
	2012	4,846	3,851	6,694	4,914	1,754	1,184	23,242
	2013	6,722	7,968	7,328	6,370	321	864	29,574
2014	4,000	4,400	9,752	10,448	955	1,199	30,753	

Table 7. -- Relative population number (RPN) of Pacific halibut by North Pacific Fishery Management Council (NPFMC) regulatory districts and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
151-200	1990	4,123	3,045	9,408	12,741	1,721	-	31,037
	1991	9,999	5,594	12,760	23,990	3,872	-	56,215
	1992	3,992	2,051	9,360	33,575	1,721	-	50,699
	1993	6,102	3,632	5,615	29,061	12,965	-	57,375
	1994	3,969	2,603	7,973	23,919	11,757	-	50,221
	1995	3,487	2,720	21,001	33,011	12,905	-	73,125
	1996	7,879	5,803	2,030	27,653	11,934	-	55,300
	1997	11,413	7,065	19,799	33,061	-	-	71,338
	1998	9,463	4,901	5,940	24,190	9,034	5,567	59,095
	1999	14,670	7,365	15,363	23,252	7,098	-	67,749
	2000	7,800	6,269	22,938	27,070	4,517	10,968	79,562
	2001	6,941	3,710	16,151	23,992	2,581	-	53,375
	2002	6,423	3,019	12,678	39,282	20,003	5,509	86,914
	2003	5,730	4,560	11,735	30,824	-	-	52,849
	2004	2,750	3,452	18,253	19,380	15,829	-	59,664
	2005	5,777	2,556	10,368	17,816	860	-	37,378
	2006	6,940	4,976	7,844	19,553	2,581	-	41,894
	2007	9,389	7,345	10,758	29,347	2,640	-	59,480
	2008	7,080	3,301	4,734	21,086	-	5,609	41,810
	2009	4,595	5,552	3,930	25,631	2,765	-	42,473
2010	3,973	3,220	5,520	20,450	2,710	-	35,873	
2011	6,347	7,689	7,034	15,789	-	-	36,858	
2012	5,621	3,822	6,084	12,205	2,581	-	30,313	
2013	3,885	3,467	5,000	25,056	0	-	37,409	
2014	5,518	3,494	5,553	28,490	6,555	7,345	56,954	
201-300	1990	5,244	1,248	3,384	841	287	1,363	12,368
	1991	4,463	5,184	4,686	2,311	441	2,750	19,835
	1992	3,010	2,022	2,837	1,563	795	3,123	13,350
	1993	2,111	3,063	3,924	2,537	1,583	1,693	14,911
	1994	2,502	3,802	4,211	2,333	576	1,298	14,722
	1995	3,179	3,995	4,255	1,698	763	489	14,379
	1996	6,925	5,027	2,380	1,384	83	459	16,258
	1997	16,135	4,032	4,065	1,614	130	625	26,601
1998	7,703	7,563	2,573	1,531	365	775	20,510	

Table 7. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
201-300	1999	8,667	7,178	6,199	887	105	996	24,033
	2000	7,707	7,110	5,899	1,507	274	953	23,449
	2001	3,532	5,132	3,723	833	265	1,911	15,397
	2002	5,356	4,098	6,399	1,374	219	1,409	18,855
	2003	7,874	2,831	4,247	2,311	279	1,203	18,746
	2004	1,340	3,400	3,923	950	258	453	10,323
	2005	1,046	2,573	2,429	1,045	141	553	7,787
	2006	3,556	2,353	2,443	1,378	405	931	11,067
	2007	3,822	3,834	2,937	1,665	321	1,175	13,754
	2008	4,085	1,410	2,988	983	365	780	10,611
	2009	4,992	2,565	2,257	1,643	288	1,253	12,998
	2010	4,403	969	1,939	574	37	731	8,654
	2011	5,487	2,876	2,639	1,079	379	1,176	13,635
	2012	5,159	2,339	2,589	1,199	415	1,283	12,984
2013	4,307	2,262	3,488	946	216	555	11,775	
2014	3,620	2,504	5,154	2,463	683	700	15,125	
301-400	1990	821	142	585	245	30	296	2,119
	1991	310	1,156	2,025	861	319	561	5,232
	1992	399	219	1,610	537	188	1,998	4,952
	1993	213	291	1,461	1,038	137	516	3,656
	1994	306	257	1,611	710	97	260	3,240
	1995	748	386	1,636	565	147	281	3,762
	1996	1,462	577	757	208	9	205	3,217
	1997	5,967	471	1,244	308	47	87	8,124
	1998	1,028	1,197	1,367	450	109	133	4,283
	1999	1,631	964	941	178	115	106	3,935
	2000	1,286	843	1,965	184	68	153	4,498
	2001	832	427	1,078	44	14	139	2,534
	2002	683	516	1,025	135	0	164	2,523
	2003	1,260	140	324	609	35	116	2,484
2004	211	358	968	288	9	207	2,041	
2005	80	262	635	77	0	73	1,128	
2006	495	120	833	90	75	214	1,826	
2007	209	161	704	114	158	200	1,546	
2008	333	236	1,314	165	114	113	2,275	
2009	619	147	285	260	39	155	1,504	

Table 7. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
301-400	2010	597	88	168	57	0	39	948
	2011	975	937	984	330	211	178	3,615
	2012	696	167	747	211	52	547	2,420
	2013	419	192	843	159	51	37	1,701
	2014	559	226	1,426	480	167	346	3,204
401-600	1990	76	8	36	27	2	29	179
	1991	13	79	269	167	35	10	574
	1992	0	20	113	70	10	64	277
	1993	0	0	66	104	7	17	195
	1994	18	37	177	71	13	17	333
	1995	355	22	129	34	16	74	630
	1996	610	114	241	29	8	15	1,016
	1997	3,024	139	360	73	9	40	3,646
	1998	143	369	221	40	26	28	828
	1999	632	158	219	43	1	21	1,075
	2000	1,298	135	401	50	3	11	1,898
	2001	331	67	82	47	2	10	538
	2002	106	155	10	8	8	16	303
	2003	256	0	35	37	2	31	361
	2004	32	42	25	35	9	17	160
	2005	20	0	59	44	5	3	131
	2006	351	13	78	26	10	13	491
	2007	0	12	51	14	5	27	109
	2008	39	53	129	4	1	13	238
	2009	230	6	26	10	0	25	297
2010	96	0	4	2	0	4	105	
2011	117	18	88	43	8	18	292	
2012	21	0	38	11	3	24	96	
2013	0	0	63	2	0	29	95	
2014	35	14	150	36	18	56	308	
601-800	1990	0	0	55	0	0	3	58
	1991	0	0	0	15	0	0	15
	1992	0	0	0	4	0	0	4
	1993	0	0	10	3	0	0	12
	1994	0	0	0	22	1	0	24
	1995	9	13	0	0	0	4	26

Table 7. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
601-800	1996	28	0	4	8	2	2	45
	1997	204	7	0	2	2	0	216
	1998	0	0	8	0	0	0	8
	1999	12	0	0	5	0	6	22
	2000	0	0	14	0	0	0	14
	2001	0	0	0	0	0	4	4
	2002	0	49	0	0	4	0	53
	2003	0	0	0	0	1	3	4
	2004	0	0	4	0	0	3	7
	2005	0	0	7	0	0	0	7
	2006	0	0	0	0	0	0	0
	2007	0	0	0	0	0	0	0
	2008	0	0	0	0	0	0	0
	2009	0	0	0	0	0	0	0
	2010	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0
	2012	0	0	0	0	0	2	2
	2013	0	0	0	5	0	0	5
	2014	0	0	4	0	0	0	4
801-1000	1990	0	0	0	0	0	0	0
	1991	0	0	0	4,762	0	0	4,762
	1992	-	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0
	1994	0	0	0	8	0	0	8
	1995	0	0	0	0	0	0	0
	1996	0	0	0	0	0	0	0
	1997	0	0	0	0	3	0	3
	1998	0	0	0	0	0	0	0
	1999	0	0	0	0	0	0	0
	2000	0	0	0	0	0	0	0
	2001	0	0	0	0	0	7	7
	2002	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	
2004	0	0	29	0	0	0	29	
2005	0	0	0	0	0	0	0	
2006	0	0	0	0	0	0	0	

Table 7. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
801-1000	2007	0	0	0	0	0	0	0
	2008	0	0	0	0	0	0	0
	2009	0	0	0	0	0	0	0
	2010	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0
	2013	-	0	0	0	0	0	0
	2014	-	0	0	12	0	0	12
151-1000	1990	10,263	4,444	13,469	13,854	2,041	1,691	45,762
	1991	14,785	12,013	19,740	32,106	4,666	3,321	86,632
	1992	7,402	4,313	13,920	35,749	2,713	5,185	69,282
	1993	8,425	6,986	11,076	32,743	14,693	2,227	76,150
	1994	6,795	6,698	13,973	27,063	12,443	1,575	68,547
	1995	7,779	7,135	27,021	35,309	13,831	847	91,921
	1996	16,904	11,521	5,412	29,281	12,036	681	75,836
	1997	36,743	11,715	25,468	35,058	192	751	109,927
	1998	18,338	14,030	10,108	26,211	9,533	6,504	84,724
	1999	25,613	15,666	22,722	24,365	7,318	1,130	96,814
	2000	18,090	14,356	31,217	28,811	4,862	12,084	109,420
	2001	11,636	9,336	21,034	24,916	2,861	2,072	71,855
	2002	12,568	7,836	20,112	40,800	20,234	7,098	108,648
	2003	15,120	7,531	16,341	33,781	318	1,352	74,443
	2004	4,334	7,252	23,202	20,652	16,105	679	72,224
	2005	6,924	5,391	13,499	18,982	1,006	630	46,431
	2006	11,341	7,462	11,198	21,047	3,072	1,158	55,277
2007	13,419	11,352	14,451	31,141	3,124	1,402	74,889	
2008	11,538	5,000	9,165	22,238	480	6,514	54,934	
2009	10,436	8,270	6,497	27,544	3,092	1,433	57,272	
2010	9,069	4,277	7,631	21,082	2,747	773	45,580	
2011	12,926	11,520	10,744	17,240	598	1,371	54,400	
2012	11,496	6,328	9,458	13,626	3,051	1,857	45,815	
2013	8,611	5,921	9,394	26,169	267	621	50,984	
2014	9,733	6,237	12,288	31,480	7,423	8,447	75,607	

Table 8. -- Relative population number (RPN) of giant grenadier by North Pacific Fishery Management Council (NPFMC) regulatory districts and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
151-200	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	0	0	NA	NA	0
	1992	0	0	0	0	0	-	0
	1993	0	0	0	0	0	-	0
	1994	0	7	0	0	0	-	7
	1995	0	0	0	0	0	-	0
	1996	0	0	0	0	0	-	0
	1997	0	0	0	0	-	-	0
	1998	193	24	0	0	0	0	218
	1999	0	0	0	0	0	-	0
	2000	0	317	0	0	0	0	317
	2001	0	110	0	0	0	-	110
	2002	12	24	0	0	0	0	37
	2003	0	0	0	0	-	-	0
	2004	0	0	0	0	0	-	0
	2005	0	0	0	0	0	-	0
	2006	14	0	0	0	0	-	14
	2007	0	0	0	0	0	-	0
	2008	0	0	0	0	-	0	0
	2009	0	0	0	0	0	-	0
2010	243	0	0	0	0	-	243	
2011	0	0	0	0	-	-	0	
2012	7	0	0	0	0	-	7	
2013	0	0	0	0	0	-	0	
2014	0	305	0	523	0	0	828	
201-300	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	126	108	NA	NA	234
	1992	287	1,664	145	130	0	0	2,227
	1993	1,151	1,106	604	0	0	0	2,861
	1994	562	1,447	135	45	0	0	2,188
	1995	7,219	38	0	0	0	0	7,257
	1996	3,457	1,397	0	12	0	0	4,867
	1997	3,947	13	0	0	0	0	3,960
	1998	861	1,405	1,851	10	0	0	4,127

Table 8. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
201-300	1999	125	2,399	440	16	0	0	2,981
	2000	840	2,805	755	17	28	0	4,444
	2001	1,735	4,039	1,050	0	0	0	6,824
	2002	2,931	1,127	207	0	0	0	4,265
	2003	6,116	6,318	23	0	0	0	12,456
	2004	2,206	9	269	0	0	0	2,484
	2005	42	144	596	42	0	0	824
	2006	861	423	85	0	0	0	1,369
	2007	101	2,676	4,116	0	0	0	6,893
	2008	3,714	343	175	10	0	0	4,242
	2009	4,239	149	741	19	0	0	5,147
	2010	9,348	2,567	204	101	0	0	12,220
	2011	2,278	37	0	9	0	0	2,324
	2012	4,153	506	260	38	0	0	4,957
2013	1,666	462	64	76	19	0	2,288	
2014	1,283	3,832	68	106	33	14	5,336	
301-400	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	2,019	363	NA	NA	2,382
	1992	7,244	5,605	1,374	467	114	45	14,849
	1993	11,862	7,052	3,828	255	78	83	23,159
	1994	9,649	7,920	2,290	193	115	78	20,244
	1995	16,858	2,344	1,704	109	121	30	21,166
	1996	10,504	8,235	4,808	181	89	79	23,896
	1997	11,347	3,133	2,122	222	121	39	16,984
	1998	16,301	5,689	4,144	91	139	40	26,405
	1999	13,093	9,092	12,639	371	52	257	35,504
	2000	11,166	8,115	2,724	385	160	100	22,649
	2001	12,977	12,847	4,145	233	103	249	30,554
	2002	13,531	7,364	8,432	219	327	203	30,077
	2003	13,379	11,336	5,771	277	181	48	30,992
2004	13,062	4,255	2,259	75	68	147	19,866	
2005	11,589	6,010	4,952	131	216	65	22,963	
2006	11,164	7,573	7,622	143	242	306	27,050	
2007	14,606	7,316	11,075	567	341	94	33,999	
2008	14,871	4,647	6,874	442	393	187	27,414	
2009	11,885	7,137	6,770	641	99	34	26,567	

Table 8. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
301-400	2010	16,085	9,343	7,894	561	484	184	34,551
	2011	11,724	6,105	3,389	244	41	193	21,697
	2012	12,658	9,801	8,435	667	399	34	31,995
	2013	12,022	6,839	8,541	523	214	163	28,302
	2014	12,760	7,481	4,362	216	732	74	25,624
401-600	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	10,994	1,687	NA	NA	12,680
	1992	36,215	18,278	8,722	1,221	514	303	65,253
	1993	33,232	20,890	8,599	3,305	684	430	67,140
	1994	42,495	19,593	10,524	1,769	378	525	75,284
	1995	44,449	26,768	18,567	3,016	1,291	1,045	95,136
	1996	29,376	28,135	17,095	2,642	1,168	800	79,217
	1997	35,294	28,711	18,147	5,350	940	636	89,078
	1998	43,921	18,939	16,015	3,467	1,048	1,367	84,757
	1999	33,002	23,098	23,690	3,960	753	1,385	85,889
	2000	32,567	25,079	19,951	4,071	961	937	83,567
	2001	39,766	23,123	17,190	4,798	919	1,115	86,911
	2002	41,400	14,804	12,212	1,749	1,213	1,488	72,866
	2003	32,348	24,785	20,975	3,275	995	737	83,114
	2004	40,107	17,493	11,704	2,027	433	556	72,320
	2005	34,825	22,963	19,716	3,302	1,059	696	82,562
	2006	40,077	18,908	10,789	2,845	1,076	811	74,507
	2007	58,856	30,047	25,268	8,297	1,718	1,219	125,405
	2008	34,620	14,708	20,358	4,308	1,153	754	75,902
	2009	36,273	27,395	23,974	5,138	1,088	1,109	94,977
2010	48,931	36,735	25,487	5,023	1,510	935	118,622	
2011	42,286	21,182	21,099	4,342	895	900	90,705	
2012	46,829	29,451	14,617	4,629	1,508	1,383	98,417	
2013	46,186	27,171	16,030	5,382	1,012	756	96,538	
2014	42,922	23,875	18,937	3,862	961	514	91,071	
601-800	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	9,122	3,801	NA	NA	12,924
	1992	22,014	23,191	6,564	2,682	779	816	56,046
	1993	28,420	26,678	8,517	4,506	1,000	853	69,974
	1994	32,111	21,144	12,766	4,677	846	998	72,542
	1995	33,760	41,375	16,809	5,353	867	1,524	99,688

Table 8. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
601-800	1996	25,945	31,641	20,354	3,816	814	1,561	84,131
	1997	33,735	37,250	18,159	7,254	1,036	1,610	99,044
	1998	36,630	16,507	12,569	7,032	1,435	2,605	76,777
	1999	26,631	22,803	17,821	7,351	1,410	3,663	79,679
	2000	33,507	21,113	14,085	8,571	926	2,627	80,830
	2001	35,776	22,862	15,034	7,968	1,313	3,261	86,213
	2002	32,214	16,201	9,517	3,349	983	2,937	65,202
	2003	32,924	27,151	20,940	5,843	1,256	1,614	89,728
	2004	32,630	21,496	9,733	4,624	542	1,496	70,521
	2005	32,922	18,953	17,795	7,018	1,158	2,640	80,487
	2006	40,873	23,832	10,437	5,443	826	2,663	84,075
	2007	47,141	31,279	17,894	11,871	1,873	2,741	112,798
	2008	36,414	27,061	16,203	8,700	953	2,825	92,156
	2009	34,490	28,506	23,476	9,633	1,095	3,176	100,376
2010	48,403	50,333	24,949	7,515	1,175	3,892	136,268	
2011	36,254	23,768	16,907	8,299	1,349	2,527	89,104	
2012	33,665	24,462	15,880	7,386	1,305	2,629	85,327	
2013	35,151	23,604	16,066	8,450	1,054	2,423	86,749	
2014	34,753	20,545	17,382	8,364	861	1,871	83,777	
801-1000	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	14,128	4,383	NA	NA	18,510
	1992	-	21,791	11,146	4,775	491	2,728	40,931
	1993	24,835	23,758	11,354	7,313	944	2,014	70,217
	1994	20,018	23,936	21,189	3,502	330	1,829	70,804
	1995	21,722	32,862	22,520	7,148	979	3,465	88,695
	1996	19,357	30,419	27,268	4,967	1,273	2,630	85,916
	1997	30,570	33,698	34,588	12,570	545	3,342	115,314
	1998	33,882	19,547	15,874	9,481	786	3,812	83,382
	1999	27,488	23,244	20,925	11,139	1,000	6,581	90,378
	2000	29,886	19,283	20,142	10,570	630	5,485	85,996
	2001	18,895	25,925	19,118	9,578	632	6,509	80,657
2002	26,407	16,665	19,703	3,568	1,288	5,744	73,374	
2003	24,801	26,975	18,716	10,239	1,800	4,595	87,125	
2004	25,435	17,476	11,572	6,014	2,079	3,432	66,007	
2005	25,324	23,522	19,549	11,019	823	3,519	83,756	
2006	37,181	12,660	12,468	6,823	837	4,454	74,423	

Table 8. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
801-1000	2007	22,122	25,419	28,200	13,566	1,035	5,812	96,154
	2008	28,438	29,415	14,335	14,442	750	4,654	92,034
	2009	30,119	16,855	31,788	11,697	1,148	6,608	98,216
	2010	27,653	27,582	26,761	9,289	1,900	6,056	99,241
	2011	30,115	30,675	21,872	5,496	507	5,397	94,062
	2012	19,968	19,663	20,560	6,728	1,046	6,608	74,574
	2013	-	14,844	23,868	8,982	430	4,514	52,637
	2014	-	15,255	14,458	15,646	499	5,573	51,431
151-1000	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	36,389	10,342	NA	NA	46,730
	1992	65,760	70,530	27,952	9,274	1,897	3,892	179,305
	1993	99,499	79,484	32,902	15,379	2,706	3,380	233,349
	1994	104,834	74,046	46,904	10,187	1,669	3,430	241,070
	1995	124,008	103,387	59,600	15,625	3,258	6,064	311,942
	1996	88,640	99,828	69,525	11,619	3,344	5,071	278,027
	1997	114,893	102,805	73,016	25,396	2,642	5,626	324,378
	1998	131,788	62,111	50,453	20,082	3,408	7,824	275,666
	1999	100,340	80,636	75,515	22,837	3,216	11,887	294,430
	2000	107,965	76,713	57,657	23,614	2,705	9,149	277,803
	2001	109,149	88,906	56,537	22,577	2,966	11,134	291,269
	2002	116,495	56,186	50,070	8,885	3,811	10,372	245,820
	2003	109,567	96,564	66,424	19,635	4,232	6,994	303,416
	2004	113,440	60,729	35,537	12,741	3,121	5,630	231,198
	2005	104,702	71,592	62,608	21,513	3,256	6,921	270,591
2006	130,169	63,396	41,401	15,255	2,982	8,235	261,438	
2007	142,825	96,737	86,554	34,302	4,966	9,864	375,248	
2008	118,058	76,175	57,945	27,902	3,250	8,420	291,749	
2009	117,005	80,042	86,749	27,129	3,430	10,927	325,283	
2010	150,663	126,561	85,295	22,490	5,070	11,068	401,146	
2011	122,658	81,767	63,267	18,391	2,793	9,016	297,892	
2012	117,280	83,883	59,752	19,449	4,258	10,654	295,277	
2013	95,025	72,920	64,570	23,414	2,729	7,857	266,514	
2014	91,717	71,293	55,206	28,718	3,086	8,045	258,066	

Table 9. -- Relative population number (RPN) of Greenland turbot by North Pacific Fishery Management Council (NPFMC) regulatory districts and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
151-200	1990	0	0	0	0	0	-	0
	1991	0	0	0	0	0	-	0
	1992	0	0	0	0	0	-	0
	1993	0	0	0	0	0	-	0
	1994	0	0	0	0	0	-	0
	1995	0	0	0	0	0	-	0
	1996	0	0	0	0	0	-	0
	1997	0	0	0	0	0	-	0
	1998	0	0	0	0	0	0	0
	1999	0	0	0	0	0	0	0
	2000	0	0	0	0	0	0	0
	2001	0	0	0	0	0	0	0
	2002	0	0	0	0	0	0	0
	2003	0	0	0	0	0	-	0
	2004	0	0	0	0	0	0	0
	2005	0	0	0	0	0	0	0
	2006	0	0	0	0	0	0	0
	2007	0	0	0	0	0	0	0
	2008	0	0	0	0	0	-	0
	2009	0	0	0	0	0	0	0
	2010	0	0	0	0	0	0	0
	2011	0	0	0	0	0	-	0
	2012	0	0	0	0	0	0	0
	2013	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	
201-300	1990	0	0	0	0	0	0	0
	1991	0	0	0	0	0	0	0
	1992	0	0	0	0	0	0	0
	1993	16	0	0	0	0	0	16
	1994	0	0	0	0	0	0	0
	1995	0	8	0	0	0	0	8
	1996	0	0	0	0	0	0	0
	1997	4	0	0	0	0	0	4
	1998	0	0	0	0	0	0	0

Table 9. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
201-300	1999	0	0	0	0	0	0	0
	2000	0	0	0	0	0	0	0
	2001	22	0	0	0	0	0	22
	2002	0	0	0	0	0	0	0
	2003	0	0	0	0	0	0	0
	2004	0	0	0	0	0	0	0
	2005	0	0	0	0	0	0	0
	2006	0	0	0	0	0	0	0
	2007	0	0	0	0	0	0	0
	2008	0	0	0	0	0	0	0
	2009	0	0	0	0	0	0	0
	2010	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0
301-400	1990	6	0	0	0	0	0	6
	1991	0	0	0	0	0	0	0
	1992	0	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0
	1994	10	0	7	0	0	0	18
	1995	0	0	0	0	0	0	0
	1996	0	0	0	0	0	0	0
	1997	2	0	0	0	0	0	2
	1998	0	0	0	0	0	0	0
	1999	0	0	0	0	0	0	0
	2000	0	0	0	0	0	0	0
	2001	0	3	0	0	0	0	3
	2002	0	0	0	0	0	0	0
	2003	0	0	0	0	0	0	0
	2004	0	0	0	0	0	0	0
	2005	0	0	0	0	0	0	0
	2006	0	0	0	0	0	0	0
2007	0	0	0	0	0	0	0	
2008	0	0	0	0	0	0	0	
2009	0	0	0	0	0	0	0	

Table 9. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
301-400	2010	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0
	2013	0	0	0	0	0	0	0
	2014	0	0	0	0	0	0	0
401-600	1990	5	0	0	0	0	0	5
	1991	24	0	0	0	0	2	26
	1992	48	0	0	0	0	0	48
	1993	30	27	0	0	0	0	57
	1994	24	0	7	4	0	0	35
	1995	6	0	0	0	0	0	6
	1996	45	3	5	0	0	0	53
	1997	25	0	0	5	0	5	35
	1998	20	8	0	0	0	0	28
	1999	8	0	3	0	0	0	11
	2000	56	0	0	0	0	0	56
	2001	37	0	6	0	0	0	43
	2002	46	0	0	0	0	0	46
	2003	0	0	0	0	0	2	2
	2004	0	0	0	0	0	0	0
	2005	0	0	0	0	0	0	0
	2006	0	0	0	0	0	0	0
	2007	10	0	0	0	0	0	10
	2008	9	0	0	0	0	0	9
	2009	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	
2011	0	0	0	0	0	0	0	
2012	0	0	0	0	0	0	0	
2013	0	0	0	0	0	0	0	
2014	0	0	0	0	0	0	0	
601-800	1990	21	22	0	0	0	0	43
	1991	6	0	0	0	0	0	6
	1992	0	0	0	0	0	0	0
	1993	94	78	5	7	0	0	184
	1994	17	0	4	0	1	0	22
1995	35	0	0	0	0	4	39	

Table 9. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
601-800	1996	20	12	4	0	0	0	36
	1997	0	0	0	0	0	0	0
	1998	60	0	7	3	0	0	70
	1999	77	17	0	0	0	0	94
	2000	4	0	0	0	0	0	4
	2001	128	0	0	0	0	0	128
	2002	23	0	7	2	0	0	32
	2003	0	0	0	0	0	0	0
	2004	0	0	0	0	0	3	3
	2005	0	0	0	0	0	0	0
	2006	0	0	0	0	0	0	0
	2007	0	0	0	0	0	0	0
	2008	0	0	0	0	0	0	0
	2009	0	0	0	0	0	0	0
	2010	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0
	2013	0	0	0	0	0	0	0
	2014	0	0	0	0	0	0	0
	801-1000	1990	0	0	0	0	0	0
1991		0	0	0	0	0	0	0
1992		-	63	0	0	0	0	63
1993		44	0	23	0	0	0	67
1994		45	0	0	0	0	0	45
1995		0	0	0	0	0	0	0
1996		0	0	0	0	0	0	0
1997		0	0	0	0	0	0	0
1998		26	0	0	23	0	0	49
1999		0	0	0	0	0	0	0
2000		0	0	0	0	0	0	0
2001		0	0	0	0	0	0	0
2002		0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	
2004	0	0	0	0	0	0	0	
2005	0	0	0	0	0	0	0	
2006	0	0	0	0	0	0	0	

Table 9. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
801-1000	2007	0	0	0	0	0	0	0
	2008	0	0	0	0	0	0	0
	2009	0	0	0	0	0	0	0
	2010	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0
	2013	-	0	0	0	0	0	0
	2014	-	0	0	0	0	0	0
151-1000	1990	32	22	0	0	0	0	54
	1991	30	0	0	0	0	2	32
	1992	48	63	0	0	0	0	111
	1993	184	105	28	7	0	0	324
	1994	96	0	18	4	1	0	119
	1995	41	8	0	0	0	4	53
	1996	66	15	9	0	0	0	90
	1997	31	0	0	5	0	5	42
	1998	106	8	7	26	0	0	148
	1999	85	17	3	0	0	0	105
	2000	60	0	0	0	0	0	60
	2001	187	3	6	0	0	0	196
	2002	69	0	7	2	0	0	78
	2003	0	0	0	0	0	2	2
	2004	0	0	0	0	0	3	3
	2005	0	0	0	0	0	0	0
	2006	0	0	0	0	0	0	0
	2007	10	0	0	0	0	0	10
	2008	9	0	0	0	0	0	9
	2009	0	0	0	0	0	0	0
	2010	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0
	2013	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	

Table 10. -- Relative population number (RPN) of spiny dogfish by North Pacific Fishery Management Council (NPFMC) regulatory districts and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
151-200	1990	0	34	0	0	0	-	34
	1991	23	7	0	268	430	-	728
	1992	39	7	0	93	0	-	139
	1993	69	34	0	268	0	-	372
	1994	0	28	0	156	0	-	184
	1995	14	17	0	6,139	0	-	6,170
	1996	64	11	0	5,960	0	-	6,035
	1997	189	0	0	8,039	-	-	8,227
	1998	0	14	32	11,413	3,872	21,147	36,477
	1999	128	23	0	665	2,581	-	3,397
	2000	56	31	0	1,131	0	0	1,218
	2001	40	7	0	0	0	-	47
	2002	0	0	0	3,389	2,581	0	5,970
	2003	209	199	0	5,576	-	-	5,984
	2004	110	155	0	594	7,835	-	8,695
	2005	334	56	41	1,547	0	-	1,978
	2006	429	127	0	2,295	0	-	2,851
	2007	363	363	0	2,383	0	-	3,109
	2008	184	155	75	10,032	-	2,804	13,251
	2009	405	378	0	495	0	-	1,278
2010	404	323	0	853	0	-	1,580	
2011	98	186	0	2,406	-	-	2,690	
2012	53	189	0	5,487	3,872	-	9,600	
2013	75	14	0	160	0	-	250	
2014	89	21	0	462	0	26,441	27,013	
201-300	1990	25	18	12	0	17	80	152
	1991	121	63	5	4	8	230	432
	1992	46	0	13	21	0	680	760
	1993	69	49	23	0	0	1,185	1,326
	1994	0	7	12	0	0	911	929
	1995	27	4	4,020	3,371	0	238	7,660
	1996	36	10	114	1,245	104	275	1,783
	1997	45	2	27	302	0	192	568
1998	16	14	35	254	412	2,665	3,395	

Table 10. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
201-300	1999	339	0	23	13	84	798	1,257
	2000	43	2	0	60	24	271	400
	2001	15	0	4	0	139	165	323
	2002	0	0	9	268	221	564	1,062
	2003	84	105	0	810	22	492	1,513
	2004	50	25	0	69	1,263	169	1,575
	2005	55	35	0	14	67	930	1,101
	2006	160	143	19	238	405	1,363	2,329
	2007	521	144	8	176	64	1,341	2,254
	2008	255	81	26	577	17	409	1,365
	2009	1,067	283	34	275	2,474	990	5,123
	2010	52	14	22	104	37	561	791
	2011	27	106	0	142	128	678	1,081
	2012	123	19	13	101	375	708	1,340
2013	133	45	0	65	19	1,586	1,849	
2014	43	7	0	30	34	1,124	1,238	
301-400	1990	4	0	0	0	0	6	10
	1991	4	7	0	0	112	38	161
	1992	0	0	120	7	0	72	200
	1993	0	0	19	10	0	178	206
	1994	0	0	0	0	5	35	40
	1995	0	10	1,107	1,843	0	35	2,996
	1996	0	0	356	1,870	9	76	2,311
	1997	0	0	9	239	0	25	273
	1998	0	0	0	153	0	630	783
	1999	4	0	0	16	21	30	72
	2000	0	0	0	23	0	131	153
	2001	0	0	0	10	169	63	243
	2002	0	0	33	240	150	19	442
	2003	0	0	18	316	18	71	423
	2004	0	0	0	90	1,562	39	1,691
2005	0	0	0	9	0	145	155	
2006	7	0	0	127	795	597	1,526	
2007	0	2	0	57	0	243	302	
2008	0	4	0	65	8	89	166	
2009	5	5	0	123	1,799	171	2,102	

Table 10. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
301-400	2010	0	0	0	94	10	39	143
	2011	0	0	0	26	11	172	209
	2012	0	0	0	295	37	72	404
	2013	0	0	0	0	10	202	212
	2014	0	0	0	8	7	89	104
401-600	1990	0	0	22	0	0	0	22
	1991	0	0	0	0	40	0	40
	1992	0	0	0	0	0	4	4
	1993	0	0	8	0	0	5	12
	1994	0	0	0	0	0	3	3
	1995	0	0	657	3,065	0	0	3,722
	1996	0	0	898	458	0	0	1,356
	1997	0	0	14	759	0	5	778
	1998	0	0	0	118	0	23	141
	1999	0	0	9	59	0	1	69
	2000	0	0	0	347	0	2	349
	2001	0	0	4	9	65	30	108
	2002	0	0	19	183	74	2	278
	2003	0	0	0	389	0	423	812
	2004	0	0	4	89	13	0	106
	2005	0	0	0	0	0	9	9
	2006	0	0	0	137	0	4	141
	2007	0	0	4	17	2	24	47
	2008	0	0	0	53	60	155	268
	2009	0	0	0	22	559	11	592
2010	0	0	14	87	0	0	102	
2011	0	0	4	47	0	5	56	
2012	0	0	0	525	36	0	561	
2013	0	0	0	0	0	2	2	
2014	0	0	0	0	0	1	1	
601-800	1990	0	0	7	0	0	0	7
	1991	0	12	0	0	35	0	47
	1992	0	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0
	1995	0	0	1,855	62	0	0	1,918

Table 10. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
601-800	1996	0	0	224	61	0	0	285
	1997	0	0	68	150	0	0	218
	1998	0	0	0	104	0	5	109
	1999	0	0	42	179	0	0	221
	2000	0	0	0	212	1	3	216
	2001	0	0	0	35	5	33	72
	2002	0	0	0	234	49	2	285
	2003	0	0	0	287	0	395	682
	2004	0	0	26	304	0	0	329
	2005	0	0	0	0	0	0	0
	2006	0	0	0	119	0	0	119
	2007	0	0	0	40	1	0	41
	2008	0	0	0	26	1	92	118
	2009	0	0	0	9	871	13	893
	2010	0	0	0	204	0	0	204
2011	0	0	0	38	2	0	40	
2012	0	0	0	332	21	41	394	
2013	0	0	0	3	0	0	3	
2014	0	0	0	0	0	0	0	
801-1000	1990	0	0	1,017	0	0	0	1,017
	1991	0	0	21	0	111	0	132
	1992	-	0	127	0	0	0	127
	1993	0	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0
	1995	0	0	0	0	0	0	0
	1996	0	0	1,396	37	0	0	1,434
	1997	0	0	0	64	0	0	64
	1998	0	0	0	0	0	0	0
	1999	0	0	0	128	0	0	128
	2000	0	0	0	393	0	0	393
	2001	0	0	0	17	2	47	66
2002	0	0	0	134	13	0	146	
2003	0	0	0	31	0	129	160	
2004	0	0	16	321	0	0	337	
2005	0	0	0	0	0	0	0	
2006	0	0	0	120	0	0	120	

Table 10. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
801-1000	2007	0	0	0	52	0	0	52
	2008	0	0	0	61	6	64	131
	2009	0	0	0	20	952	14	985
	2010	0	0	0	85	0	0	85
	2011	0	0	0	0	0	0	0
	2012	0	0	0	912	4	291	1,208
	2013	-	0	0	0	0	0	0
	2014	-	0	0	0	0	0	0
151-1000	1990	29	52	1,057	0	17	87	1,242
	1991	148	89	26	272	736	269	1,540
	1992	85	7	261	122	0	756	1,231
	1993	138	83	49	278	0	1,368	1,916
	1994	0	35	12	156	5	949	1,157
	1995	41	32	7,639	14,481	0	273	22,466
	1996	100	20	2,988	9,631	113	352	13,204
	1997	234	2	118	9,553	0	222	10,128
	1998	16	28	67	12,041	4,284	24,470	40,905
	1999	471	23	74	1,061	2,686	829	5,144
	2000	98	33	0	2,166	25	407	2,729
	2001	54	7	9	71	380	338	859
	2002	0	0	61	4,447	3,088	587	8,184
	2003	293	304	18	7,409	40	1,511	9,575
	2004	160	180	46	1,467	10,674	207	12,734
	2005	389	92	41	1,570	67	1,084	3,243
	2006	597	270	19	3,037	1,200	1,964	7,087
	2007	884	509	12	2,725	67	1,607	5,805
	2008	440	240	102	10,814	91	3,613	15,299
	2009	1,478	666	34	942	6,654	1,198	10,972
	2010	456	338	37	1,428	47	600	2,905
	2011	125	292	4	2,659	141	854	4,076
	2012	177	208	13	7,653	4,345	1,113	13,508
	2013	208	60	0	227	29	1,791	2,315
2014	131	28	0	500	41	27,655	28,356	

Table 11. -- Relative population number (RPN) of Pacific sleeper shark by North Pacific Fishery Management Council (NPFMC) regulatory districts and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
151-200	1990	26	0	0	0	0	-	26
	1991	18	0	0	0	0	-	18
	1992	0	0	0	0	0	-	0
	1993	0	0	0	0	0	-	0
	1994	0	0	0	0	0	-	0
	1995	15	6	0	0	0	-	21
	1996	0	0	0	0	0	-	0
	1997	0	0	0	0	-	-	0
	1998	0	0	0	0	0	0	0
	1999	0	0	0	0	0	-	0
	2000	0	0	0	0	0	0	0
	2001	0	31	0	205	0	-	235
	2002	0	59	0	0	0	0	59
	2003	17	0	0	0	-	-	17
	2004	0	0	0	0	0	-	0
	2005	0	0	0	0	0	-	0
	2006	0	8	0	0	0	-	8
	2007	0	0	0	0	0	-	0
	2008	0	0	0	0	-	0	0
	2009	0	0	0	0	0	-	0
2010	0	0	0	0	0	-	0	
2011	15	0	0	0	-	-	15	
2012	14	0	0	0	0	-	14	
2013	0	0	0	0	0	-	0	
2014	16	0	0	0	0	0	16	
201-300	1990	29	0	0	0	0	0	29
	1991	27	5	0	0	0	0	32
	1992	0	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0
	1994	0	6	0	0	0	0	6
	1995	0	0	0	0	0	0	0
	1996	0	6	0	0	0	0	6
	1997	0	2	0	0	0	50	52
	1998	8	4	0	0	0	0	12

Table 11. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
201-300	1999	0	2	0	0	0	0	2
	2000	0	0	23	8	0	0	31
	2001	0	7	23	0	0	0	30
	2002	0	18	0	0	0	0	18
	2003	0	0	0	0	0	0	0
	2004	0	0	0	0	0	0	0
	2005	0	0	0	0	0	0	0
	2006	0	7	0	0	0	0	7
	2007	0	0	0	0	0	0	0
	2008	0	0	0	0	0	0	0
	2009	0	0	0	0	0	0	0
	2010	8	0	0	0	0	0	8
	2011	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	
2014	18	5	0	0	0	0	23	
301-400	1990	6	0	0	0	0	0	6
	1991	0	0	0	10	0	0	10
	1992	0	0	0	0	0	0	0
	1993	7	0	0	0	0	0	7
	1994	0	0	0	0	0	0	0
	1995	0	0	0	0	0	0	0
	1996	0	0	0	0	0	0	0
	1997	0	0	0	0	28	0	28
	1998	0	0	0	0	0	0	0
	1999	0	0	0	0	0	0	0
	2000	0	1	10	0	0	0	12
	2001	0	0	0	0	0	0	0
	2002	0	0	0	0	0	0	0
	2003	0	0	0	0	0	7	7
	2004	0	0	0	0	0	0	0
	2005	0	0	0	0	0	0	0
2006	0	0	0	4	0	0	4	
2007	0	0	0	0	0	0	0	
2008	0	0	0	0	0	0	0	
2009	0	0	0	0	0	0	0	

Table 11. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West		East		Total
					Yakutat	Yakutat	Yakutat	Southeast	
301-400	2010	0	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0	0
	2013	0	0	0	0	0	0	0	0
	2014	0	0	0	0	0	0	0	0
401-600	1990	0	0	0	0	0	0	0	0
	1991	0	0	0	0	2	0	2	
	1992	0	0	0	0	1	0	1	
	1993	7	0	0	0	1	0	9	
	1994	6	0	0	0	0	0	6	
	1995	0	0	0	3	0	0	3	
	1996	0	0	0	5	0	0	5	
	1997	0	0	0	2	0	0	2	
	1998	0	0	0	0	1	0	1	
	1999	0	0	0	0	0	0	0	
	2000	0	0	0	2	9	0	12	
	2001	0	0	3	0	0	0	3	
	2002	0	0	0	0	1	0	1	
	2003	0	0	0	0	0	6	6	
	2004	0	0	0	2	0	1	3	
	2005	0	0	0	0	1	0	1	
	2006	0	5	0	2	0	1	8	
	2007	0	0	0	2	2	1	6	
	2008	0	0	0	0	0	5	5	
	2009	12	0	0	0	0	1	13	
2010	0	0	0	0	0	1	1		
2011	0	0	0	0	1	0	1		
2012	0	0	0	0	0	0	0		
2013	0	0	0	0	0	0	0		
2014	0	0	0	0	0	0	0		
601-800	1990	0	0	0	0	0	0	0	
	1991	17	0	0	0	3	0	20	
	1992	0	0	0	0	0	0	0	
	1993	4	0	0	0	0	0	4	
	1994	0	0	0	0	0	3	3	
	1995	0	0	0	0	0	0	0	

Table 11. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West		East		Total
					Yakutat	Yakutat	Yakutat	Southeast	
601-800	1996	0	0	0	0	0	0	0	0
	1997	0	0	0	0	0	0	0	0
	1998	10	0	0	0	0	0	3	13
	1999	0	0	0	0	0	0	0	0
	2000	0	0	0	0	0	1	0	1
	2001	0	0	0	0	0	0	0	0
	2002	0	0	0	0	0	0	0	0
	2003	0	0	0	0	0	0	13	13
	2004	0	0	0	0	0	0	4	4
	2005	0	0	0	0	0	0	0	0
	2006	0	0	0	0	0	0	3	3
	2007	0	0	0	0	0	0	0	0
	2008	0	0	0	0	0	0	7	7
	2009	0	0	0	0	0	0	2	2
801-1000	2010	0	0	0	0	0	0	4	4
	2011	0	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0	0
	2013	0	0	0	0	0	0	3	3
	2014	0	0	0	0	0	1	4	5
	1990	0	0	0	0	0	0	0	0
	1991	0	0	0	0	0	0	0	0
	1992	-	0	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0	0
	1995	0	0	8	0	0	0	0	8
	1996	0	0	0	0	0	0	0	0
	1997	0	0	0	0	0	0	0	0
	1998	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	
2000	0	0	0	0	0	0	0	0	
2001	0	0	0	0	0	0	0	0	
2002	0	0	0	0	0	0	0	0	
2003	0	0	0	0	0	0	4	4	
2004	0	0	0	0	0	0	0	0	
2005	0	0	0	0	0	0	0	0	
2006	0	0	0	0	0	0	0	0	

Table 11. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
801-1000	2007	0	0	0	0	0	0	0
	2008	0	0	0	0	0	0	0
	2009	0	0	0	0	0	8	8
	2010	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0
	2013	-	0	0	0	0	0	0
	2014	-	0	0	0	0	0	0
151-1000	1990	60	0	0	0	0	0	60
	1991	63	5	0	10	4	0	82
	1992	0	0	0	0	1	0	1
	1993	19	0	0	0	1	0	20
	1994	6	6	0	0	0	3	15
	1995	15	6	8	3	0	0	31
	1996	0	6	0	5	0	0	10
	1997	0	2	0	2	28	50	82
	1998	18	4	0	0	1	3	27
	1999	0	2	0	0	0	0	2
	2000	0	1	33	11	10	0	55
	2001	0	38	26	205	0	0	268
	2002	0	77	0	0	1	0	78
	2003	17	0	0	0	0	30	47
	2004	0	0	0	2	0	6	8
	2005	0	0	0	0	1	0	1
	2006	0	20	0	6	0	5	30
	2007	0	0	0	2	2	1	6
	2008	0	0	0	0	0	12	12
	2009	12	0	0	0	0	12	24
	2010	8	0	0	0	0	5	12
	2011	15	0	0	0	1	0	16
	2012	14	0	0	0	0	0	14
	2013	0	0	0	0	0	3	3
2014	34	5	0	0	1	4	44	

Table 12. -- Relative population weight (RPW) of sablefish by North Pacific Fishery Management Council (NPFMC) regulatory districts and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
151-200	1990	35,432	19,247	25,946	304,268	90,697	-	475,591
	1991	21,162	36,202	57,495	181,909	4,049	-	300,816
	1992	20,972	26,568	25,816	157,033	0	-	230,389
	1993	36,989	23,287	26,727	71,023	0	-	158,026
	1994	53,621	23,111	2,776	75,459	0	-	154,967
	1995	52,521	21,609	0	27,384	0	-	101,514
	1996	39,740	31,103	34,690	48,474	0	-	154,007
	1997	30,967	17,015	3,830	20,883	-	-	72,695
	1998	22,890	45,541	142,861	21,660	0	0	232,953
	1999	11,822	45,081	9,102	28,579	20,167	-	114,751
	2000	42,229	28,646	9,536	16,520	0	6,356	103,286
	2001	70,543	41,123	18,030	11,714	0	-	141,410
	2002	47,480	53,926	4,530	37,515	13,761	20,421	177,633
	2003	47,922	27,864	4,977	69,438	-	-	150,201
	2004	58,247	18,849	5,897	8,643	0	-	91,635
	2005	56,182	21,581	11,487	31,453	0	-	120,704
	2006	28,807	16,822	36,273	11,175	20,052	-	113,130
	2007	22,149	16,888	18,666	30,810	0	-	88,513
	2008	26,538	17,675	41,600	21,164	-	0	106,978
	2009	20,716	3,579	38,159	7,708	0	-	70,163
2010	22,333	7,070	2,540	37,464	0	-	69,408	
2011	39,073	9,541	16,991	12,994	-	-	78,600	
2012	43,112	23,925	8,551	23,758	0	-	99,347	
2013	22,744	6,805	15,269	8,545	0	-	53,363	
2014	38,623	14,185	73,655	25,621	0	0	152,083	
201-300	1990	65,352	51,370	37,462	40,326	4,800	8,537	207,846
	1991	62,859	44,973	26,939	37,035	4,459	15,900	192,165
	1992	34,815	46,669	27,701	41,495	9,022	17,607	177,309
	1993	71,435	38,580	22,077	17,153	2,304	9,673	161,222
	1994	68,181	27,127	9,217	12,125	5,949	25,859	148,457
	1995	82,766	39,819	29,158	12,208	4,356	7,932	176,240
	1996	78,176	63,027	70,515	15,708	4,037	5,130	236,593
	1997	65,466	70,717	45,622	10,631	4,533	13,169	210,139
	1998	74,207	29,238	33,240	16,108	7,563	4,491	164,846

Table 12. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
201-300	1999	74,312	42,809	14,793	12,766	2,224	5,333	152,237
	2000	94,872	37,647	20,688	4,523	3,059	3,918	164,707
	2001	145,512	40,512	26,085	7,302	0	4,882	224,293
	2002	116,529	53,320	35,723	7,302	1,583	5,957	220,413
	2003	79,853	58,819	44,224	12,612	1,012	2,912	199,433
	2004	76,603	41,341	46,599	12,823	902	2,941	181,210
	2005	126,098	43,979	35,880	11,369	2,693	7,604	227,622
	2006	116,219	47,766	25,511	16,152	2,095	4,454	212,197
	2007	71,596	36,278	27,493	20,779	3,519	9,179	168,844
	2008	68,877	49,191	25,688	15,644	2,129	6,565	168,095
	2009	66,065	28,699	37,723	6,356	475	4,205	143,523
	2010	42,200	49,910	22,711	30,098	6,342	5,906	157,167
	2011	79,671	41,351	49,740	4,933	4,269	8,421	188,385
	2012	75,594	40,752	27,550	7,802	2,310	11,177	165,185
2013	59,926	25,395	18,025	4,492	2,493	11,795	122,127	
2014	81,592	37,572	27,419	10,249	1,903	15,351	174,087	
301-400	1990	36,388	22,623	40,125	25,659	11,024	20,309	156,127
	1991	28,233	16,112	23,470	32,926	14,978	37,867	153,585
	1992	12,379	19,117	29,963	40,125	19,644	34,039	155,269
	1993	35,730	19,385	24,803	31,939	15,361	30,681	157,900
	1994	26,071	13,721	17,033	19,144	10,429	39,135	125,533
	1995	21,869	16,842	33,151	20,180	10,772	20,833	123,646
	1996	29,126	31,795	71,321	16,470	7,747	18,402	174,862
	1997	22,356	42,205	50,698	13,295	9,360	22,281	160,196
	1998	25,596	13,806	35,127	20,879	6,916	26,341	128,665
	1999	24,863	15,241	22,836	22,123	3,345	19,328	107,736
	2000	26,861	14,395	22,053	11,799	4,469	21,821	101,397
	2001	35,512	9,499	24,273	5,788	3,800	22,439	101,310
	2002	29,119	15,655	30,585	14,185	3,574	19,606	112,724
	2003	35,642	23,019	46,388	11,894	3,043	12,080	132,067
	2004	25,898	25,060	44,274	14,033	2,736	21,086	133,087
	2005	42,607	25,153	25,628	10,450	6,290	18,175	128,303
2006	34,181	25,269	33,069	15,505	6,430	27,475	141,929	
2007	25,016	17,211	29,345	34,037	8,733	19,089	133,430	
2008	28,488	20,406	23,662	20,885	10,095	19,213	122,748	
2009	23,904	10,579	31,178	17,817	4,738	16,129	104,345	

Table 12. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
301-400	2010	26,555	16,019	39,986	22,752	11,277	23,933	140,523
	2011	31,249	24,815	49,204	16,649	3,328	18,811	144,056
	2012	30,089	17,422	17,573	12,579	4,968	16,484	99,115
	2013	17,838	9,030	16,427	17,760	4,824	19,349	85,228
	2014	38,644	16,390	18,940	15,788	3,253	23,212	116,228
401-600	1990	77,663	89,615	108,709	69,461	18,645	37,701	401,796
	1991	64,976	81,484	68,161	80,327	24,268	63,915	383,132
	1992	32,126	52,810	77,867	75,981	21,959	52,585	313,328
	1993	65,559	68,120	83,907	88,556	25,863	54,070	386,075
	1994	36,810	66,481	91,415	70,065	21,080	43,517	329,368
	1995	48,389	52,686	113,440	60,294	11,164	38,051	324,024
	1996	60,786	80,618	150,756	73,157	14,106	32,315	411,737
	1997	47,336	64,545	108,841	62,368	12,302	36,322	331,714
	1998	54,506	41,331	64,049	47,739	14,459	36,241	258,326
	1999	49,388	57,813	73,506	52,277	8,863	35,167	277,013
	2000	58,069	48,075	62,515	38,514	5,602	28,904	241,678
	2001	56,081	46,215	65,471	27,337	11,728	31,110	237,942
	2002	51,000	44,114	90,657	42,979	9,265	21,124	259,139
	2003	70,773	72,079	69,775	42,958	3,991	23,813	283,389
	2004	49,212	70,786	92,686	47,781	6,758	18,367	285,589
	2005	52,012	52,130	53,669	40,045	11,848	26,984	236,687
	2006	53,502	75,100	87,100	56,672	9,509	32,766	314,649
	2007	21,990	44,187	71,132	41,720	11,326	28,790	219,145
	2008	48,725	76,451	63,523	45,661	13,549	20,429	268,337
	2009	56,542	47,845	65,720	38,057	7,271	22,987	238,423
2010	50,625	59,514	91,327	55,681	12,923	34,195	304,265	
2011	48,200	73,425	78,414	41,876	6,683	29,479	278,077	
2012	28,693	58,907	51,313	35,788	10,029	22,543	207,273	
2013	18,496	31,949	61,608	30,774	8,419	24,251	175,497	
2014	37,817	41,180	57,081	39,218	7,745	21,435	204,476	
601-800	1990	46,861	89,996	119,259	87,777	12,922	60,911	417,726
	1991	31,203	109,740	127,408	84,143	18,485	77,517	448,495
	1992	7,260	80,692	105,937	92,191	14,808	74,323	375,210
	1993	38,331	91,908	127,910	102,631	16,343	75,554	452,677
	1994	32,236	102,571	142,598	100,659	17,620	56,537	452,222
	1995	31,815	46,092	124,756	80,738	10,495	60,894	354,790

Table 12. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
601-800	1996	37,505	69,138	118,645	87,987	14,243	54,984	382,500
	1997	39,832	42,827	119,104	75,594	8,969	49,237	335,563
	1998	39,484	99,980	87,212	53,135	8,887	54,768	343,465
	1999	40,608	112,430	105,420	59,182	12,132	47,986	377,758
	2000	50,857	93,927	82,591	56,250	7,764	41,665	333,054
	2001	38,866	109,434	91,982	54,254	8,615	47,838	350,990
	2002	35,128	97,555	126,825	66,790	8,397	45,247	379,941
	2003	45,727	79,543	74,153	52,084	3,728	38,374	293,610
	2004	21,646	75,884	108,612	61,159	4,709	35,914	307,924
	2005	31,240	72,662	78,073	44,033	6,155	34,562	266,725
	2006	20,166	75,067	108,707	58,477	11,575	44,228	318,220
	2007	7,831	67,657	78,216	41,212	7,820	41,323	244,058
	2008	18,742	79,985	75,760	35,598	9,232	35,259	254,576
	2009	41,505	73,016	80,634	50,190	7,842	47,275	300,461
2010	23,741	30,305	84,949	63,505	11,745	49,991	264,236	
2011	40,490	108,652	117,224	48,717	5,058	48,749	368,890	
2012	17,759	69,520	77,451	43,629	6,689	37,833	252,881	
2013	12,293	46,031	78,156	33,696	4,375	33,135	207,687	
2014	23,757	48,634	58,059	42,106	5,892	32,351	210,798	
801-1000	1990	22,174	51,644	76,450	45,110	11,462	67,900	274,740
	1991	9,286	44,184	99,195	42,970	13,306	81,940	290,881
	1992	-	43,956	83,000	66,978	12,593	76,887	283,414
	1993	23,113	52,744	109,726	64,423	13,271	78,503	341,780
	1994	13,522	44,802	88,975	73,288	25,287	66,380	312,254
	1995	13,409	47,681	92,279	71,655	9,638	71,705	306,367
	1996	7,534	57,624	70,325	55,526	12,298	71,160	274,466
	1997	7,199	49,963	88,772	54,527	16,796	72,363	289,619
	1998	12,326	45,912	72,850	40,923	13,323	72,315	257,650
	1999	3,020	71,898	91,378	36,781	14,284	67,446	284,807
	2000	16,182	65,670	58,808	47,324	7,941	62,699	258,624
	2001	18,306	72,997	74,699	34,940	11,619	56,098	268,659
	2002	25,142	57,470	91,459	40,729	11,518	54,783	281,102
	2003	26,701	66,122	71,295	27,083	3,385	52,123	246,709
2004	5,349	48,920	79,556	39,767	6,457	44,049	224,098	
2005	15,981	38,881	52,630	25,650	8,885	39,759	181,786	
2006	6,773	64,130	60,337	45,211	9,996	44,793	231,240	

Table 12. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
801-1000	2007	9,936	66,653	35,045	31,912	7,660	51,176	202,380
	2008	6,533	35,585	59,845	15,819	10,833	32,469	161,083
	2009	27,436	46,146	48,949	28,582	9,005	64,205	224,323
	2010	14,940	34,389	83,023	61,379	11,862	61,478	267,071
	2011	13,958	58,426	110,463	78,846	10,290	62,794	334,777
	2012	0	51,261	57,266	21,792	10,037	46,733	187,089
	2013	-	46,293	53,329	24,251	4,339	39,573	167,785
	2014	-	55,117	20,788	17,221	4,942	46,279	144,346
151-1000	1990	283,870	324,495	407,951	572,602	149,550	195,358	1,933,826
	1991	217,718	332,695	402,668	459,311	79,544	277,139	1,769,074
	1992	107,552	269,812	350,284	473,803	78,026	255,441	1,534,918
	1993	271,158	294,024	395,150	375,725	73,143	248,480	1,657,680
	1994	230,441	277,813	352,014	350,740	80,365	231,428	1,522,800
	1995	250,769	224,729	392,783	272,458	46,425	199,416	1,386,580
	1996	252,866	333,304	516,252	297,322	52,431	181,990	1,634,164
	1997	213,156	287,271	416,868	237,299	51,960	193,373	1,399,926
	1998	229,009	275,808	435,339	200,444	51,148	194,157	1,385,905
	1999	204,013	345,271	317,035	211,707	61,015	175,260	1,314,301
	2000	289,070	288,359	256,190	174,930	28,835	165,363	1,202,747
	2001	364,820	319,781	300,542	141,334	35,761	162,367	1,324,604
	2002	304,398	322,040	379,780	209,500	48,097	167,137	1,430,952
	2003	306,619	327,446	310,812	216,069	15,159	129,303	1,305,408
	2004	236,956	280,839	377,623	184,205	21,563	122,356	1,223,542
	2005	324,120	254,386	257,367	162,999	35,870	127,084	1,161,827
	2006	259,649	304,155	350,997	203,192	59,658	153,714	1,331,365
	2007	158,517	248,874	259,897	200,470	39,057	149,556	1,056,371
	2008	197,903	279,292	290,077	154,773	45,838	113,935	1,081,817
	2009	236,168	209,864	302,365	148,710	29,332	154,800	1,081,238
	2010	180,395	197,206	324,536	270,880	54,149	175,502	1,202,669
	2011	252,641	316,210	422,036	204,014	29,629	168,255	1,392,785
	2012	195,247	261,788	239,704	145,348	34,032	134,771	1,010,890
	2013	131,298	165,503	242,815	119,518	24,450	128,104	811,686
2014	220,434	213,077	255,942	150,203	23,735	138,627	1,002,018	

Table 13. -- Relative population weight (RPW) of shortspine thornyhead by North Pacific Fishery Management Council (NPFMC) regulatory districts and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
151-200	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	0	300	NA	NA	300
	1992	9	108	0	0	0	-	117
	1993	11	0	632	0	0	-	642
	1994	395	69	0	0	0	-	463
	1995	77	51	0	255	0	-	383
	1996	87	0	0	0	0	-	87
	1997	415	0	0	41	-	-	455
	1998	64	47	0	0	0	0	110
	1999	59	0	0	0	0	-	59
	2000	8	51	0	0	1,327	0	1,385
	2001	103	65	0	0	0	-	168
	2002	364	41	0	0	0	0	404
	2003	672	38	93	41	-	-	843
	2004	730	0	0	387	0	-	1,116
	2005	91	0	0	446	0	-	537
	2006	98	0	0	341	0	-	439
	2007	163	0	0	30	0	-	192
	2008	1,505	192	17	373	-	0	2,086
	2009	924	7	0	24	0	-	955
2010	2,627	0	0	124	0	-	2,751	
2011	958	65	125	136	-	-	1,284	
2012	2,082	105	46	1,255	0	-	3,488	
2013	581	0	0	170	0	-	750	
2014	557	110	0	476	0	0	1,143	
201-300	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	398	707	NA	NA	1,105
	1992	3,805	1,481	577	718	215	267	7,064
	1993	1,868	812	377	849	390	338	4,635
	1994	2,671	730	452	468	251	52	4,624
	1995	1,224	308	259	449	182	287	2,709
	1996	2,154	464	441	646	178	345	4,228
	1997	865	385	409	734	238	353	2,985
	1998	1,999	696	834	647	207	262	4,645

Table 13. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
201-300	1999	905	1,341	568	852	254	240	4,161
	2000	1,126	1,328	538	462	250	248	3,952
	2001	1,424	1,372	773	1,208	1,246	258	6,282
	2002	1,542	1,430	597	796	217	140	4,722
	2003	1,749	1,230	494	986	202	125	4,786
	2004	1,173	922	688	647	92	91	3,613
	2005	1,145	1,398	1,142	1,613	386	246	5,929
	2006	2,601	1,206	913	1,252	194	169	6,335
	2007	2,150	1,208	1,297	1,229	232	139	6,255
	2008	4,574	2,344	1,226	1,488	287	274	10,193
	2009	2,847	1,884	1,300	789	152	390	7,363
	2010	3,861	2,818	1,919	1,551	178	249	10,575
	2011	1,914	2,478	1,515	1,425	123	385	7,840
	2012	2,640	1,496	1,458	1,264	87	109	7,054
2013	4,827	2,661	1,910	1,695	107	184	11,384	
2014	4,861	1,951	1,416	1,749	255	283	10,516	
301-400	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	960	575	NA	NA	1,535
	1992	3,370	1,400	659	1,249	305	765	7,748
	1993	1,377	989	891	895	348	584	5,084
	1994	1,934	753	599	840	216	262	4,605
	1995	1,117	646	647	1,049	243	552	4,253
	1996	2,036	991	803	770	223	617	5,440
	1997	1,199	402	867	1,252	270	242	4,231
	1998	1,566	582	761	604	362	767	4,642
	1999	1,127	505	637	1,083	377	455	4,183
	2000	1,152	964	668	509	205	343	3,840
	2001	1,303	1,023	1,064	1,348	206	247	5,191
	2002	1,224	1,342	952	1,042	237	576	5,372
	2003	1,048	781	788	1,025	146	413	4,201
	2004	1,394	627	518	624	83	444	3,690
2005	760	528	1,049	771	285	552	3,945	
2006	1,749	545	915	822	313	431	4,775	
2007	1,753	915	847	928	173	296	4,912	
2008	1,104	1,142	1,103	1,266	175	707	5,497	
2009	2,320	1,016	1,091	1,143	173	591	6,333	

Table 13. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
301-400	2010	1,576	1,311	1,487	1,400	462	493	6,729
	2011	1,462	706	1,139	1,682	268	758	6,016
	2012	1,167	912	1,262	1,288	143	470	5,243
	2013	3,240	1,535	1,363	1,973	212	482	8,805
	2014	3,326	1,347	1,267	1,484	194	825	8,443
401-600	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	2,642	878	NA	NA	3,520
	1992	3,836	3,065	1,834	772	90	697	10,294
	1993	1,825	1,536	2,418	1,171	331	765	8,048
	1994	1,938	1,648	1,531	1,447	152	570	7,287
	1995	3,195	1,720	1,696	1,402	133	836	8,982
	1996	3,094	2,358	1,875	1,254	249	781	9,610
	1997	1,663	1,631	3,232	1,494	295	669	8,984
	1998	1,474	3,009	2,718	1,145	183	1,121	9,649
	1999	3,092	2,567	2,799	1,831	307	894	11,490
	2000	1,770	2,062	1,868	1,668	187	921	8,475
	2001	1,825	4,543	2,757	2,455	254	991	12,825
	2002	2,885	4,255	2,636	1,350	174	925	12,225
	2003	2,400	2,396	1,735	1,884	264	720	9,400
	2004	1,693	1,535	1,392	1,330	127	475	6,553
	2005	1,354	2,139	2,152	1,434	254	922	8,255
	2006	1,650	1,213	2,565	1,444	285	954	8,111
	2007	918	1,392	1,813	1,434	365	905	6,827
	2008	1,875	2,849	2,668	2,202	204	1,342	11,139
	2009	2,478	957	2,389	1,503	341	1,213	8,881
2010	1,951	1,362	2,575	1,943	483	1,066	9,378	
2011	1,514	1,902	2,557	1,847	299	1,575	9,694	
2012	865	1,783	3,529	2,002	250	1,142	9,571	
2013	2,576	1,582	3,638	2,252	264	1,427	11,739	
2014	1,856	2,520	2,533	1,427	208	1,270	9,814	
601-800	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	1,338	569	NA	NA	1,907
	1992	1,285	4,002	1,939	702	16	851	8,794
	1993	1,122	2,354	2,327	1,018	23	801	7,646
	1994	1,518	2,428	1,914	888	77	807	7,633
	1995	1,714	2,108	1,838	1,516	44	988	8,207

Table 13. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
601-800	1996	2,424	4,186	2,021	1,074	114	1,124	10,943
	1997	1,305	2,447	2,806	1,653	184	1,051	9,445
	1998	2,215	3,611	2,527	1,328	24	1,533	11,238
	1999	1,475	3,373	2,454	1,548	115	1,627	10,591
	2000	1,474	2,619	2,177	1,605	70	1,543	9,488
	2001	1,470	5,333	4,252	2,345	151	1,348	14,900
	2002	2,840	4,569	2,479	1,024	148	1,367	12,426
	2003	2,371	4,845	2,270	1,715	122	1,066	12,390
	2004	2,015	2,145	2,306	1,133	183	723	8,506
	2005	1,658	2,973	2,754	1,878	100	996	10,359
	2006	897	2,155	2,443	1,534	254	1,580	8,863
	2007	422	2,744	2,479	1,719	145	2,002	9,512
	2008	746	5,576	2,924	2,770	144	1,918	14,077
	2009	1,048	3,105	2,089	1,375	153	1,733	9,503
2010	1,522	3,904	3,291	2,176	253	1,795	12,941	
2011	890	3,663	3,710	1,848	135	1,894	12,140	
2012	508	5,024	3,950	2,597	232	1,421	13,731	
2013	1,687	5,998	4,247	2,554	111	2,458	17,055	
2014	2,488	4,636	2,893	1,448	104	1,631	13,200	
801-1000	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	970	533	NA	NA	1,503
	1992	-	4,837	1,336	449	68	607	7,297
	1993	1,941	2,729	2,005	676	79	1,204	8,634
	1994	682	4,394	1,346	1,156	168	621	8,367
	1995	1,349	2,169	2,377	682	41	675	7,293
	1996	1,071	3,314	1,638	471	22	962	7,479
	1997	406	1,729	2,734	1,276	53	945	7,143
	1998	532	2,771	1,578	595	34	1,115	6,625
	1999	80	7,206	1,882	669	147	1,312	11,296
	2000	618	3,700	1,370	810	28	1,325	7,851
	2001	1,202	7,062	3,565	836	80	1,133	13,877
2002	3,635	3,548	3,061	569	82	1,019	11,914	
2003	739	5,056	4,066	734	32	852	11,479	
2004	621	2,676	2,718	503	104	807	7,428	
2005	3,964	3,999	1,836	759	87	1,213	11,859	
2006	775	4,570	3,117	1,944	270	1,401	12,077	

Table 13. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
801-1000	2007	2,031	4,691	1,283	671	343	2,613	11,631
	2008	698	5,051	3,461	1,020	164	1,844	12,237
	2009	1,772	4,351	1,832	638	83	1,657	10,332
	2010	2,783	3,828	2,427	2,052	232	1,535	12,858
	2011	2,205	3,173	3,253	1,050	123	2,011	11,814
	2012	0	4,463	3,400	1,778	160	1,507	11,307
	2013	-	6,235	3,509	1,384	57	1,816	13,001
	2014	-	6,104	3,752	723	94	1,337	12,008
151-1000	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	6,308	3,562	NA	NA	9,870
	1992	12,305	14,893	6,346	3,891	694	3,186	41,314
	1993	8,144	8,421	8,650	4,609	1,171	3,693	34,688
	1994	9,138	10,022	5,842	4,799	864	2,312	32,979
	1995	8,676	7,000	6,817	5,353	642	3,338	31,827
	1996	10,867	11,312	6,778	4,215	786	3,830	37,788
	1997	5,852	6,594	10,047	6,450	1,040	3,261	33,243
	1998	7,849	10,715	8,419	4,320	810	4,797	36,909
	1999	6,737	14,992	8,339	5,983	1,199	4,528	41,779
	2000	6,147	10,724	6,621	5,055	2,066	4,379	34,991
	2001	7,327	19,398	12,411	8,192	1,937	3,976	53,242
	2002	12,489	15,184	9,724	4,781	858	4,027	47,064
	2003	8,978	14,346	9,446	6,385	766	3,177	43,098
	2004	7,625	7,905	7,623	4,623	589	2,541	30,906
	2005	8,972	11,036	8,934	6,901	1,112	3,929	40,883
	2006	7,770	9,690	9,953	7,337	1,317	4,534	40,600
2007	7,436	10,949	7,718	6,011	1,259	5,955	39,330	
2008	10,501	17,153	11,398	9,119	974	6,085	55,229	
2009	11,391	11,320	8,700	5,470	901	5,583	43,366	
2010	14,319	13,223	11,699	9,245	1,608	5,138	55,232	
2011	8,942	11,986	12,300	7,988	948	6,624	48,787	
2012	7,262	13,782	13,646	10,183	872	4,649	50,394	
2013	12,910	18,012	14,667	10,028	750	6,366	62,734	
2014	13,088	16,668	11,861	7,308	854	5,346	55,124	

Table 14. -- Relative population weight (RPW) of rougheye and blackspotted rockfish by North Pacific Fishery Management Council (NPFMC) regulatory districts and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
151-200	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	0	90	NA	NA	90
	1992	93	0	677	29	0	-	798
	1993	59	0	0	0	0	-	59
	1994	701	0	0	0	0	-	701
	1995	1,402	0	3,564	0	0	-	4,966
	1996	375	4	0	0	0	-	379
	1997	1,011	0	2,840	0	-	-	3,851
	1998	559	0	0	0	0	0	559
	1999	418	0	0	0	0	-	418
	2000	559	0	0	0	0	0	559
	2001	1,783	0	1,914	0	0	-	3,697
	2002	1,303	0	2,663	0	0	0	3,966
	2003	400	26	2,573	0	-	-	2,999
	2004	2,555	7	197	0	0	-	2,759
	2005	14	18	1,660	0	0	-	1,692
	2006	526	6	1,941	0	0	-	2,473
	2007	2,200	12	1,338	0	0	-	3,550
	2008	1,674	9	138	0	-	0	1,821
	2009	1,311	6	6,778	0	0	-	8,094
2010	1,614	0	0	0	0	-	1,614	
2011	1,042	24	0	0	-	-	1,066	
2012	859	7	0	0	0	-	866	
2013	1,425	0	0	0	0	-	1,425	
2014	2,323	41	0	112	0	0	2,476	
201-300	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	1,369	719	NA	NA	2,089
	1992	4,738	445	1,946	672	512	1,496	9,809
	1993	4,897	525	1,877	201	58	2,505	10,063
	1994	2,647	405	943	156	69	3,055	7,276
	1995	6,099	264	2,211	144	0	126	8,843
	1996	3,751	588	3,665	672	102	3,031	11,809
	1997	5,906	303	1,921	170	492	4,575	13,367
	1998	4,272	301	1,727	266	55	1,665	8,285

Table 14. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
201-300	1999	3,625	861	2,532	528	225	529	8,301
	2000	7,217	733	1,969	262	71	2,525	12,777
	2001	4,558	4,347	2,066	265	331	2,213	13,780
	2002	7,642	960	2,198	451	136	1,296	12,685
	2003	3,509	1,554	1,174	180	40	1,019	7,475
	2004	7,328	1,330	1,784	267	441	1,591	12,741
	2005	1,930	1,693	1,675	326	96	2,833	8,553
	2006	3,398	3,849	2,461	694	113	1,089	11,604
	2007	6,762	696	2,766	346	256	975	11,800
	2008	4,117	2,112	1,504	1,285	395	1,271	10,684
	2009	4,518	3,388	1,924	53	41	910	10,834
	2010	9,689	3,394	2,543	563	176	1,843	18,208
	2011	7,763	2,269	2,322	591	94	4,731	17,769
	2012	5,332	3,116	1,523	1,050	415	1,053	12,489
2013	5,645	687	1,840	353	128	1,491	10,144	
2014	6,257	2,961	2,219	1,278	184	2,571	15,471	
301-400	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	4,490	2,267	NA	NA	6,757
	1992	4,404	1,074	3,379	3,229	1,015	3,177	16,277
	1993	3,130	1,751	3,494	3,575	1,456	5,923	19,329
	1994	2,208	745	1,660	2,354	928	11,139	19,034
	1995	6,223	2,002	3,894	2,637	1,835	7,776	24,367
	1996	3,176	1,197	2,378	4,074	878	10,682	22,384
	1997	3,817	1,763	3,409	3,760	1,049	18,049	31,847
	1998	4,100	1,405	5,113	3,008	791	8,491	22,907
	1999	3,633	1,700	3,811	3,567	1,077	11,241	25,028
	2000	5,110	2,408	7,833	4,738	925	12,728	33,742
	2001	4,660	2,955	3,518	2,152	1,120	7,728	22,133
	2002	6,243	1,792	3,098	1,549	2,799	8,055	23,535
	2003	5,605	755	1,720	1,232	2,201	13,852	25,365
2004	2,994	681	1,798	2,799	1,058	8,871	18,203	
2005	2,683	1,267	2,590	2,307	558	6,001	15,406	
2006	3,096	687	2,481	1,222	1,399	6,650	15,536	
2007	5,810	3,413	4,249	3,775	1,881	6,646	25,774	
2008	3,071	2,961	4,374	5,952	1,938	7,559	25,855	
2009	3,055	1,643	3,998	2,345	1,449	8,729	21,219	

Table 14. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
301-400	2010	3,994	1,189	2,756	1,635	1,073	8,422	19,069
	2011	8,610	1,245	4,799	2,597	1,185	8,246	26,682
	2012	4,885	846	2,322	2,790	483	8,748	20,074
	2013	4,333	1,837	3,148	1,168	1,133	7,608	19,227
	2014	2,609	1,409	3,520	3,880	1,918	12,446	25,783
401-600	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	70	828	NA	NA	898
	1992	262	74	311	653	179	3,097	4,575
	1993	309	0	22	743	289	2,764	4,126
	1994	418	48	15	568	155	4,345	5,548
	1995	2,872	76	97	569	400	4,858	8,872
	1996	361	7	15	410	168	3,830	4,792
	1997	825	49	255	1,225	396	7,684	10,433
	1998	639	124	505	669	499	4,171	6,607
	1999	1,015	20	123	1,348	447	5,522	8,475
	2000	2,001	18	357	1,349	157	6,712	10,594
	2001	1,638	52	198	944	267	3,385	6,484
	2002	420	71	81	965	474	2,763	4,774
	2003	549	145	48	383	432	3,123	4,678
	2004	1,200	47	27	599	203	4,605	6,681
	2005	303	32	47	643	140	1,824	2,989
	2006	363	44	55	475	130	1,955	3,022
	2007	466	11	61	1,624	245	4,413	6,819
	2008	270	161	334	1,637	152	2,447	5,002
	2009	453	43	169	1,434	291	2,544	4,935
2010	1,443	22	92	330	309	3,427	5,623	
2011	811	23	130	965	211	2,409	4,548	
2012	473	13	123	2,460	253	2,380	5,703	
2013	501	0	100	452	258	1,424	2,736	
2014	362	6	68	1,046	236	3,336	5,054	
601-800	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	0	204	NA	NA	204
	1992	0	0	3	40	22	213	278
	1993	0	18	0	61	111	146	336
	1994	0	0	11	18	95	1,345	1,468
	1995	0	0	23	166	19	318	526

Table 14. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
601-800	1996	0	0	29	178	47	384	639
	1997	31	0	0	61	54	394	540
	1998	23	163	13	53	56	1,247	1,554
	1999	0	54	8	48	54	978	1,142
	2000	64	8	13	124	63	1,686	1,958
	2001	17	0	12	31	37	487	585
	2002	0	0	0	132	50	232	414
	2003	0	0	0	86	93	529	707
	2004	50	0	15	141	11	282	499
	2005	0	0	16	67	14	165	262
	2006	0	0	34	78	33	265	409
	2007	0	0	32	51	7	190	281
	2008	0	0	0	236	66	231	533
	2009	0	24	45	54	15	143	281
2010	0	53	19	60	43	519	694	
2011	0	0	0	55	79	535	669	
2012	0	51	0	67	16	127	262	
2013	8	0	0	11	8	216	242	
2014	0	0	0	84	28	309	421	
801-1000	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	0	0	NA	NA	0
	1992	-	0	19	49	32	78	177
	1993	0	0	0	64	68	79	211
	1994	0	0	0	0	0	1,001	1,001
	1995	0	0	0	0	8	359	367
	1996	0	0	0	62	65	300	427
	1997	0	0	0	0	0	199	199
	1998	0	0	0	180	21	1,024	1,225
	1999	0	54	0	22	89	515	679
	2000	0	0	0	150	91	1,613	1,854
	2001	0	0	0	252	20	166	438
2002	0	33	0	53	0	357	442	
2003	0	0	0	54	6	275	336	
2004	0	0	0	105	13	358	476	
2005	0	0	31	21	4	183	240	
2006	0	0	0	25	12	218	254	

Table 14. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
801-1000	2007	0	0	0	16	0	116	131
	2008	0	0	0	222	118	284	623
	2009	0	0	0	0	0	173	173
	2010	0	0	0	53	102	433	587
	2011	0	35	0	0	29	194	258
	2012	0	0	0	198	23	9	231
	2013	-	0	0	0	0	109	109
	2014	-	0	0	89	15	132	236
151-1000	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	5,929	4,108	NA	NA	10,038
	1992	9,497	1,593	6,335	4,671	1,759	8,061	31,915
	1993	8,394	2,294	5,394	4,644	1,982	11,417	34,124
	1994	5,974	1,198	2,630	3,095	1,246	20,885	35,028
	1995	16,596	2,341	9,790	3,516	2,262	13,437	47,942
	1996	7,663	1,796	6,087	5,396	1,260	18,228	40,430
	1997	11,590	2,115	8,424	5,216	1,991	30,901	60,236
	1998	9,592	1,993	7,358	4,177	1,422	16,597	41,138
	1999	8,691	2,689	6,474	5,513	1,892	18,785	44,044
	2000	14,950	3,166	10,173	6,623	1,308	25,264	61,484
	2001	12,655	7,354	7,708	3,644	1,774	13,980	47,117
	2002	15,609	2,855	8,039	3,150	3,458	12,703	45,815
	2003	10,062	2,479	5,514	1,935	2,771	18,798	41,559
	2004	14,127	2,065	3,822	3,911	1,726	15,708	41,359
	2005	4,930	3,009	6,018	3,365	813	11,006	29,141
	2006	7,383	4,585	6,972	2,493	1,688	10,176	33,298
	2007	15,238	4,132	8,446	5,811	2,389	12,339	48,355
	2008	9,132	5,244	6,350	9,332	2,668	11,793	44,519
	2009	9,337	5,103	12,914	3,886	1,796	12,500	45,537
	2010	16,741	4,658	5,411	2,641	1,702	14,644	45,797
	2011	18,226	3,596	7,250	4,208	1,597	16,114	50,991
	2012	11,549	4,033	3,968	6,566	1,190	12,318	39,624
	2013	11,911	2,524	5,088	1,983	1,527	10,848	33,882
2014	11,551	4,417	5,807	6,489	2,381	18,795	49,441	

Table 15. -- Relative population weight (RPW) of shortraker rockfish by North Pacific Fishery Management Council (NPFMC) regulatory districts and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
151-200	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	0	1,252	NA	NA	1,252
	1992	49	0	0	0	0	-	49
	1993	0	0	3,344	0	0	-	3,344
	1994	0	0	0	0	0	-	0
	1995	125	0	0	0	0	-	125
	1996	0	0	0	1,128	0	-	1,128
	1997	15	0	0	0	-	-	15
	1998	8	0	0	0	0	0	8
	1999	0	0	0	154	0	-	154
	2000	0	0	0	1,429	0	0	1,429
	2001	0	0	240	217	0	-	457
	2002	123	0	298	3,267	0	0	3,688
	2003	128	27	332	0	-	-	486
	2004	637	0	0	1,286	0	-	1,923
	2005	0	0	0	1,252	0	-	1,252
	2006	169	0	0	171	0	-	341
	2007	0	0	0	982	0	-	982
	2008	1,256	0	0	0	-	0	1,256
	2009	77	0	423	1,196	0	-	1,697
2010	552	0	0	362	0	-	915	
2011	0	0	0	0	-	-	0	
2012	93	0	0	1,777	0	-	1,870	
2013	90	0	0	0	0	-	90	
2014	482	0	0	273	0	0	754	
201-300	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	243	2,427	NA	NA	2,670
	1992	270	114	216	2,181	1,478	41	4,300
	1993	363	23	328	894	0	299	1,907
	1994	1,254	55	226	1,187	507	927	4,155
	1995	2,516	7	302	1,947	0	204	4,976
	1996	1,150	155	736	1,628	1,901	974	6,544
	1997	1,482	5	134	4,931	750	396	7,699
	1998	1,854	248	445	2,010	1,104	231	5,892

Table 15. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
201-300	1999	1,243	304	585	1,337	1,713	150	5,332
	2000	4,457	220	631	2,186	1,332	1,305	10,130
	2001	2,268	832	1,005	5,479	202	142	9,928
	2002	2,550	405	829	896	459	239	5,379
	2003	2,770	448	437	2,762	346	806	7,570
	2004	6,146	279	350	1,028	870	733	9,406
	2005	2,361	135	684	2,187	54	495	5,916
	2006	1,244	254	1,072	1,716	1,007	67	5,360
	2007	1,789	150	1,417	2,682	1,100	361	7,499
	2008	1,093	465	1,380	3,086	126	162	6,312
	2009	3,214	211	4,731	1,468	173	213	10,009
	2010	2,678	644	1,277	1,554	906	136	7,194
	2011	4,541	777	1,352	1,307	0	418	8,395
	2012	1,507	727	873	2,582	2,698	56	8,443
2013	2,169	392	1,194	1,205	314	220	5,493	
2014	1,827	1,004	1,655	4,169	718	374	9,747	
301-400	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	2,101	5,737	NA	NA	7,837
	1992	1,125	528	1,999	5,419	4,655	279	14,004
	1993	1,474	193	1,425	4,591	4,549	3,018	15,250
	1994	1,947	1,093	1,758	3,142	3,933	1,776	13,649
	1995	2,114	426	1,863	4,952	4,416	2,628	16,400
	1996	2,108	637	3,126	6,976	3,545	1,471	17,863
	1997	1,828	1,162	2,890	10,534	5,091	1,673	23,178
	1998	3,045	1,013	3,061	10,802	9,705	3,620	31,246
	1999	2,573	517	3,326	8,046	9,315	2,195	25,972
	2000	4,900	855	4,134	13,948	4,141	3,373	31,350
	2001	2,483	417	4,740	10,379	7,533	2,723	28,274
	2002	1,528	434	1,972	4,971	7,630	3,930	20,465
	2003	1,989	912	2,008	4,733	4,531	4,463	18,637
2004	1,441	303	1,989	6,714	2,994	2,161	15,602	
2005	737	196	1,739	5,244	3,152	1,173	12,241	
2006	3,116	359	4,471	4,840	3,370	1,804	17,960	
2007	2,209	811	3,944	8,095	5,128	2,798	22,986	
2008	1,865	561	3,489	8,382	4,410	2,326	21,032	
2009	1,547	422	5,402	8,186	3,087	1,877	20,521	

Table 15. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
301-400	2010	1,747	438	1,892	4,667	1,527	1,927	12,198
	2011	4,647	1,061	4,126	4,784	3,082	2,465	20,165
	2012	2,819	497	3,702	4,498	2,474	1,824	15,815
	2013	1,774	506	1,982	2,586	2,019	3,141	12,008
	2014	753	621	4,089	8,791	2,196	2,275	18,726
401-600	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	262	1,848	NA	NA	2,109
	1992	304	177	685	2,215	1,527	709	5,618
	1993	341	51	153	2,745	1,462	783	5,534
	1994	777	29	665	1,211	981	550	4,212
	1995	3,310	379	388	1,102	2,758	1,089	9,026
	1996	2,673	180	795	2,145	1,097	793	7,683
	1997	1,151	304	1,188	2,903	2,440	1,775	9,760
	1998	1,829	135	1,623	4,284	2,576	1,656	12,102
	1999	3,016	344	1,645	3,569	2,208	1,806	12,589
	2000	5,550	533	701	4,825	2,145	1,918	15,671
	2001	2,453	345	1,235	2,483	2,171	1,600	10,288
	2002	886	181	455	2,108	2,108	1,294	7,032
	2003	1,057	60	440	969	1,080	1,860	5,465
	2004	2,089	42	158	2,116	477	1,918	6,801
	2005	360	46	698	1,358	664	1,240	4,367
	2006	1,437	103	542	1,321	1,722	1,097	6,223
	2007	797	105	2,616	3,650	1,765	1,535	10,469
	2008	1,869	103	1,244	3,738	1,747	1,525	10,227
	2009	1,339	26	1,464	2,491	1,810	1,308	8,437
2010	1,945	342	348	905	1,081	829	5,450	
2011	2,521	136	1,620	1,765	1,646	1,190	8,878	
2012	1,132	84	951	1,350	999	1,037	5,554	
2013	1,585	104	904	1,516	886	783	5,779	
2014	1,259	218	868	2,328	1,468	1,030	7,171	
601-800	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	0	88	NA	NA	88
	1992	57	0	0	58	68	20	203
	1993	14	26	5	82	79	17	222
	1994	0	0	0	30	56	26	112
	1995	0	0	0	26	46	104	175

Table 15. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
601-800	1996	18	0	0	0	59	130	208
	1997	7	0	61	75	107	136	386
	1998	14	26	89	87	94	204	513
	1999	122	0	6	138	163	339	767
	2000	205	0	73	120	58	495	950
	2001	110	88	433	88	46	109	873
	2002	33	303	48	38	104	120	645
	2003	57	0	23	60	84	315	541
	2004	2	0	0	67	25	225	319
	2005	0	0	23	16	54	27	120
	2006	34	252	0	47	33	236	602
	2007	149	0	25	142	122	220	658
	2008	0	0	7	82	35	126	250
	2009	6	0	0	25	101	142	274
	2010	5	0	0	20	22	112	158
	2011	0	0	3	72	61	81	217
	2012	0	0	0	61	20	22	103
	2013	3	0	10	57	48	114	233
	2014	32	15	37	139	60	189	471
801-1000	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	0	0	NA	NA	0
	1992	-	0	0	0	0	3	3
	1993	0	0	0	10	0	8	18
	1994	0	0	0	0	0	0	0
	1995	0	0	0	0	2	9	10
	1996	0	35	0	0	0	5	40
	1997	0	0	0	0	0	0	0
	1998	0	0	0	0	23	107	131
	1999	0	0	0	12	0	79	91
	2000	0	0	15	0	0	8	23
	2001	0	0	0	0	2	0	2
2002	0	0	0	0	0	16	16	
2003	0	0	0	0	18	10	28	
2004	0	0	0	0	0	7	7	
2005	0	0	0	20	1	12	33	
2006	0	0	0	0	0	0	0	

Table 15. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
801-1000	2007	0	0	0	0	0	0	0
	2008	0	0	0	0	0	0	0
	2009	0	0	0	0	0	0	0
	2010	0	0	105	0	42	0	148
	2011	0	0	0	0	30	13	43
	2012	0	0	0	0	0	0	0
	2013	-	0	0	0	0	93	93
	2014	-	0	0	0	5	0	5
151-1000	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	2,605	11,351	NA	NA	13,956
	1992	1,805	818	2,901	9,873	7,729	1,051	24,177
	1993	2,192	293	5,255	8,321	6,089	4,124	26,274
	1994	3,978	1,177	2,649	5,569	5,477	3,280	22,129
	1995	8,065	812	2,554	8,027	7,221	4,034	30,713
	1996	5,949	1,007	4,657	11,878	6,603	3,373	33,466
	1997	4,483	1,471	4,273	18,442	8,388	3,980	41,038
	1998	6,748	1,422	5,218	17,183	13,502	5,818	49,891
	1999	6,954	1,165	5,562	13,255	13,399	4,569	44,905
	2000	15,111	1,607	5,553	22,508	7,675	7,099	59,553
	2001	7,314	1,682	7,653	18,645	9,953	4,574	49,822
	2002	5,121	1,324	3,603	11,280	10,301	5,598	37,226
	2003	6,002	1,447	3,240	8,524	6,059	7,455	32,727
	2004	10,316	624	2,496	11,210	4,367	5,045	34,058
	2005	3,458	378	3,144	10,077	3,926	2,946	23,929
	2006	6,000	969	6,086	8,095	6,132	3,203	30,485
2007	4,944	1,067	8,003	15,552	8,115	4,914	42,594	
2008	6,083	1,129	6,120	15,287	6,318	4,140	39,077	
2009	6,182	659	12,021	13,367	5,170	3,541	40,939	
2010	6,927	1,423	3,622	7,508	3,578	3,004	26,062	
2011	11,708	1,975	7,101	7,928	4,819	4,167	37,698	
2012	5,552	1,308	5,526	10,269	6,192	2,939	31,785	
2013	5,622	1,002	4,090	5,364	3,268	4,351	23,696	
2014	4,352	1,858	6,648	15,700	4,447	3,868	36,873	

Table 16. -- Relative population weight (RPW) of Pacific cod by North Pacific Fishery Management Council (NPFMC) regulatory districts and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
151-200	1990	111,171	55,034	31,531	87,650	0	-	285,385
	1991	98,853	37,395	30,059	88,184	7,818	-	262,308
	1992	143,480	54,152	13,640	84,121	0	-	295,393
	1993	91,796	48,074	36,318	67,194	114,254	-	357,637
	1994	96,497	38,323	7,859	37,321	32,251	-	212,251
	1995	132,862	44,768	16,321	53,446	10,450	-	257,848
	1996	95,909	35,978	62,151	30,980	3,558	-	228,577
	1997	100,448	33,249	25,810	74,397	-	-	233,905
	1998	121,663	33,882	26,185	44,886	63,409	16,567	306,591
	1999	86,080	25,108	34,340	34,908	4,038	-	184,474
	2000	83,635	12,726	20,841	21,539	0	0	138,741
	2001	48,269	27,188	2,436	6,333	0	-	84,225
	2002	79,535	18,487	15,946	2,080	0	1,861	117,909
	2003	50,586	35,115	23,331	5,229	-	-	114,261
	2004	45,344	27,108	29,585	7,393	0	-	109,431
	2005	24,257	16,168	11,309	9,724	0	-	61,458
	2006	35,837	14,555	13,065	9,699	0	-	73,156
	2007	37,700	14,028	15,641	15,783	0	-	83,151
	2008	24,335	10,646	10,074	30,322	-	0	75,377
	2009	57,082	25,178	15,673	30,602	0	-	128,536
2010	56,433	43,570	14,698	70,770	4,073	-	189,544	
2011	48,769	25,728	54,620	43,883	-	-	173,000	
2012	52,876	32,306	19,699	18,397	0	-	123,277	
2013	61,094	20,114	14,568	18,859	0	-	114,636	
2014	55,581	27,582	7,972	21,774	3,453	4,516	120,877	
201-300	1990	31,877	18,201	14,352	5,258	894	4,932	75,515
	1991	21,284	17,947	13,676	7,398	721	4,745	65,772
	1992	68,355	14,268	11,573	8,488	378	5,506	108,569
	1993	48,610	19,473	11,106	7,128	7,289	4,957	98,564
	1994	43,617	14,680	11,353	3,055	770	1,892	75,368
	1995	43,525	21,561	11,285	4,777	0	2,066	83,214
	1996	32,075	18,916	7,536	2,065	0	2,250	62,843
	1997	33,962	14,322	22,616	4,502	0	3,216	78,619
	1998	17,317	11,577	12,783	5,652	2,293	4,204	53,827

Table 16. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
201-300	1999	18,107	6,180	13,783	2,476	240	4,299	45,085
	2000	9,185	1,454	1,855	1,810	0	1,192	15,496
	2001	7,258	1,845	459	446	0	72	10,082
	2002	16,608	3,739	1,314	625	0	682	22,967
	2003	17,066	3,953	1,888	304	0	2,455	25,666
	2004	3,361	6,884	5,177	968	0	1,661	18,051
	2005	1,643	1,498	1,326	1,457	217	1,246	7,387
	2006	8,832	2,658	2,545	883	63	1,403	16,383
	2007	4,186	2,766	3,580	819	0	598	11,949
	2008	2,671	1,404	1,651	895	0	732	7,353
	2009	14,563	3,655	111	2,132	169	1,471	22,100
	2010	21,948	3,309	1,287	1,581	0	4,395	32,520
	2011	9,498	8,591	11,012	3,116	1,867	2,081	36,166
	2012	15,695	5,700	3,474	2,359	316	5,114	32,658
2013	12,086	4,618	1,580	944	142	1,134	20,504	
2014	10,978	7,806	12,110	2,278	162	2,974	36,308	
301-400	1990	40	0	228	0	0	0	268
	1991	0	111	613	413	36	239	1,412
	1992	794	0	2,324	1,115	0	689	4,923
	1993	505	90	2,375	409	0	24	3,402
	1994	275	47	526	61	0	19	928
	1995	1,099	51	916	88	0	80	2,234
	1996	908	251	167	0	0	212	1,539
	1997	1,268	230	7,559	265	0	835	10,156
	1998	0	8	3,294	309	0	458	4,069
	1999	0	17	1,145	244	0	151	1,557
	2000	0	0	0	0	0	0	0
	2001	0	0	0	0	0	0	0
	2002	40	0	0	0	0	0	40
	2003	0	0	0	0	0	0	0
	2004	0	11	0	0	0	0	11
	2005	0	0	0	0	0	0	0
2006	0	0	139	40	0	0	180	
2007	0	0	26	0	0	0	26	
2008	0	0	0	0	0	0	0	
2009	0	0	0	0	0	0	0	

Table 16. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total	
					Yakutat	Yakutat			
301-400	2010	0	0	0	0	0	0	0	
	2011	12	345	230	62	0	245	893	
	2012	42	9	60	0	0	50	161	
	2013	0	0	0	0	0	122	122	
	2014	0	5	106	25	0	230	367	
401-600	1990	0	0	0	0	0	0	0	
	1991	0	0	0	0	0	0	0	
	1992	0	0	0	0	0	0	0	
	1993	0	0	0	0	0	0	0	
	1994	0	0	0	0	0	0	0	
	1995	0	0	0	0	0	0	0	
	1996	0	0	0	0	0	0	0	
	1997	0	0	0	0	0	0	0	
	1998	0	0	0	0	0	0	0	
	1999	0	0	0	0	0	0	0	
	2000	0	0	0	0	0	0	0	
	2001	0	0	0	0	0	0	0	
	2002	0	0	0	0	0	0	0	
	2003	0	0	0	0	0	0	0	
	2004	27	0	0	0	0	0	0	27
	2005	0	0	0	0	0	0	0	0
	2006	0	0	0	0	0	0	0	0
	2007	0	0	0	0	0	0	0	0
	2008	0	0	0	0	0	0	0	0
	2009	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0	
2011	0	0	0	0	0	0	0	0	
2012	0	0	0	0	0	0	0	0	
2013	0	0	0	0	0	0	0	0	
2014	0	0	0	0	0	0	0	0	
601-800	1990	0	0	0	0	0	0	0	
	1991	0	0	0	0	0	0	0	
	1992	0	0	0	0	0	0	0	
	1993	0	0	0	0	0	0	0	
	1994	0	0	0	0	0	0	0	
	1995	0	0	0	0	0	0	0	

Table 16. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
601-800	1996	0	0	0	0	0	0	0
	1997	0	0	0	0	0	0	0
	1998	0	0	0	0	0	0	0
	1999	0	0	0	0	0	0	0
	2000	0	0	0	0	0	0	0
	2001	0	0	0	0	0	0	0
	2002	0	0	0	0	0	0	0
	2003	0	0	0	0	0	0	0
	2004	0	0	0	0	0	0	0
	2005	0	0	0	0	0	0	0
	2006	0	0	0	0	0	0	0
	2007	0	0	0	0	0	0	0
	2008	0	0	0	0	0	0	0
	2009	0	0	0	0	0	0	0
801-1000	2010	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0
	2013	0	0	0	0	0	0	0
	2014	0	0	0	0	0	0	0
	1990	0	0	0	0	0	0	0
	1991	0	0	0	0	0	0	0
	1992	-	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0
	1995	0	0	0	0	0	0	0
	1996	0	0	0	0	0	0	0
	1997	0	0	0	0	0	0	0
	1998	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	
2000	0	0	0	0	0	0	0	
2001	0	0	0	0	0	0	0	
2002	0	0	0	0	0	0	0	
2003	0	0	0	0	0	0	0	
2004	0	0	0	0	0	0	0	
2005	0	0	0	0	0	0	0	
2006	0	0	0	0	0	0	0	

Table 16. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
801-1000	2007	0	0	0	0	0	0	0
	2008	0	0	0	0	0	0	0
	2009	0	0	0	0	0	0	0
	2010	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0
	2013	-	0	0	0	0	0	0
	2014	-	0	0	0	0	0	0
151-1000	1990	143,087	73,235	46,111	92,908	894	4,932	361,168
	1991	120,136	55,454	44,349	95,995	8,575	4,984	329,492
	1992	212,630	68,420	27,538	93,724	378	6,195	408,884
	1993	140,911	67,637	49,799	74,731	121,544	4,981	459,603
	1994	140,390	53,050	19,738	40,437	33,022	1,911	288,547
	1995	177,486	66,380	28,522	58,312	10,450	2,146	343,297
	1996	128,893	55,145	69,855	33,045	3,558	2,462	292,958
	1997	135,678	47,802	55,985	79,165	0	4,051	322,680
	1998	138,981	45,467	42,262	50,847	65,701	21,230	364,487
	1999	104,187	31,305	49,268	37,628	4,278	4,450	231,116
	2000	92,820	14,180	22,696	23,349	0	1,192	154,237
	2001	55,527	29,033	2,895	6,780	0	72	94,307
	2002	96,183	22,226	17,260	2,705	0	2,543	140,916
	2003	67,652	39,068	25,219	5,533	0	2,455	139,927
	2004	48,732	34,003	34,762	8,362	0	1,661	127,520
	2005	25,899	17,666	12,636	11,181	217	1,246	68,845
	2006	44,669	17,213	15,749	10,622	63	1,403	89,719
	2007	41,886	16,793	19,247	16,602	0	598	95,125
	2008	27,006	12,050	11,725	31,217	0	732	82,730
	2009	71,645	28,834	15,784	32,734	169	1,471	150,637
	2010	78,381	46,880	15,985	72,352	4,073	4,395	222,065
	2011	58,278	34,663	65,862	47,062	1,867	2,326	210,059
	2012	68,613	38,014	23,233	20,756	316	5,164	156,095
	2013	73,180	24,732	16,147	19,804	142	1,257	135,262
2014	66,559	35,392	20,189	24,077	3,615	7,720	157,551	

Table 17. -- Relative population weight (RPW) of arrowtooth flounder by North Pacific Fishery Management Council (NPFMC) regulatory districts and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
151-200	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	3,056	8,257	NA	NA	11,313
	1992	7,495	12,271	1,995	22,984	0	-	44,745
	1993	6,500	13,359	7,282	47,484	0	-	74,625
	1994	5,877	8,421	3,467	27,620	0	-	45,385
	1995	8,648	11,602	16,910	14,727	2,890	-	54,777
	1996	9,320	9,842	11,030	2,327	0	-	32,519
	1997	19,077	6,205	819	10,821	-	-	36,923
	1998	21,308	12,205	0	43,732	0	0	77,246
	1999	13,889	8,218	898	33,535	0	-	56,540
	2000	18,622	10,426	6,461	11,593	0	0	47,103
	2001	8,615	18,166	694	5,445	0	-	32,920
	2002	9,817	8,491	9,558	11,105	0	0	38,971
	2003	12,404	7,455	1,133	497	-	-	21,488
	2004	5,176	5,449	1,591	0	0	-	12,215
	2005	2,829	6,586	1,866	519	0	-	11,800
	2006	9,669	3,390	7,845	3,329	0	-	24,234
	2007	4,835	5,411	6,885	3,819	0	-	20,949
	2008	5,118	6,055	4,064	3,530	-	3,273	22,039
	2009	2,483	4,939	1,771	6,412	0	-	15,605
2010	5,217	4,095	6,865	15,786	0	-	31,963	
2011	1,961	5,366	4,460	677	-	-	12,464	
2012	1,689	1,553	1,728	4,260	1,938	-	11,168	
2013	2,107	2,906	2,907	9,113	0	-	17,033	
2014	992	1,845	419	12,664	0	0	15,921	
201-300	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	13,314	2,424	NA	NA	15,738
	1992	17,568	13,181	7,655	1,924	753	984	42,064
	1993	15,490	25,597	23,212	7,929	237	2,296	74,760
	1994	13,858	11,741	11,918	4,122	388	1,045	43,073
	1995	16,640	17,765	20,453	3,410	98	1,571	59,936
	1996	18,724	15,084	11,294	1,722	57	674	47,555
	1997	19,986	10,599	14,508	3,861	529	1,360	50,844
	1998	37,213	13,990	15,304	9,153	1,244	1,191	78,096

Table 17. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
201-300	1999	22,252	28,229	25,019	7,101	411	1,041	84,053
	2000	17,722	22,351	20,249	4,497	646	1,446	66,911
	2001	15,751	15,575	24,366	1,773	734	1,303	59,502
	2002	11,887	8,996	8,418	623	142	437	30,502
	2003	13,478	5,885	3,714	1,202	309	1,773	26,362
	2004	6,151	6,915	7,440	859	124	245	21,733
	2005	4,351	6,578	7,615	1,181	110	252	20,087
	2006	9,585	5,784	6,968	1,460	259	258	24,314
	2007	8,303	5,958	6,017	1,200	521	794	22,793
	2008	6,093	5,177	5,139	1,379	417	2,190	20,395
	2009	8,325	5,172	5,308	1,674	298	1,323	22,101
	2010	8,045	2,804	13,143	3,796	1,936	2,065	31,790
	2011	4,534	3,836	8,550	1,226	1,081	890	20,117
	2012	3,410	1,652	3,474	1,766	260	431	10,993
2013	5,115	3,142	3,014	892	212	352	12,727	
2014	2,632	1,713	7,282	2,506	934	906	15,973	
301-400	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	9,729	618	NA	NA	10,347
	1992	11,885	5,230	6,278	617	712	1,877	26,599
	1993	6,154	6,687	8,671	5,424	618	4,071	31,625
	1994	6,262	4,457	10,702	4,351	669	533	26,973
	1995	6,281	12,899	21,286	3,340	725	1,593	46,124
	1996	8,450	3,109	9,040	2,293	123	1,336	24,350
	1997	6,784	3,522	12,978	9,425	458	1,702	34,869
	1998	14,491	4,017	8,421	9,122	1,562	3,047	40,660
	1999	8,504	10,307	20,337	7,495	1,188	2,673	50,504
	2000	12,406	7,383	22,798	5,251	807	1,808	50,453
	2001	7,981	2,837	12,586	1,297	192	1,853	26,746
	2002	5,422	2,692	5,186	2,248	350	2,447	18,345
	2003	3,180	531	1,518	1,719	194	1,724	8,866
2004	2,892	2,480	3,556	767	206	395	10,297	
2005	2,256	1,095	5,079	711	99	290	9,530	
2006	4,264	2,604	4,256	883	88	1,562	13,657	
2007	3,056	1,023	4,021	1,124	693	2,375	12,291	
2008	2,413	1,651	5,105	1,314	725	2,590	13,798	
2009	3,499	2,305	5,998	2,230	505	2,324	16,862	

Table 17. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
301-400	2010	4,477	2,729	3,618	2,320	1,284	3,435	17,863
	2011	1,795	2,170	6,649	2,347	482	1,044	14,486
	2012	1,504	1,498	2,560	1,373	453	1,105	8,494
	2013	2,260	1,662	3,081	1,954	315	553	9,825
	2014	1,173	973	5,331	2,380	497	757	11,111
401-600	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	3,879	454	NA	NA	4,333
	1992	4,058	3,381	2,622	127	122	605	10,916
	1993	2,263	5,796	6,831	1,707	335	455	17,387
	1994	4,326	4,250	4,738	1,666	194	295	15,469
	1995	5,583	6,785	7,423	1,903	223	459	22,375
	1996	6,067	1,339	760	604	456	341	9,567
	1997	7,195	1,206	4,161	3,225	318	823	16,927
	1998	3,972	2,424	2,291	2,214	331	831	12,063
	1999	10,635	4,599	6,635	1,634	653	1,027	25,182
	2000	15,766	2,114	8,335	2,450	256	824	29,745
	2001	5,890	3,893	3,249	813	102	789	14,737
	2002	3,833	1,548	1,690	1,469	202	706	9,448
	2003	5,156	649	319	472	194	534	7,324
	2004	1,545	1,839	665	275	43	180	4,546
	2005	1,867	361	1,491	328	68	195	4,309
	2006	2,364	1,577	2,696	584	135	601	7,956
	2007	1,439	2,631	3,006	627	315	1,262	9,279
	2008	3,401	2,961	3,338	537	140	960	11,337
	2009	4,045	1,910	4,535	802	213	1,141	12,646
2010	3,991	1,475	507	659	478	488	7,598	
2011	3,457	2,327	4,050	1,737	338	1,110	13,019	
2012	915	1,774	3,710	1,176	111	370	8,057	
2013	1,422	3,903	2,971	731	132	535	9,694	
2014	2,019	2,829	4,275	1,805	382	419	11,730	
601-800	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	337	65	NA	NA	403
	1992	140	152	132	56	3	106	589
	1993	512	65	684	256	13	91	1,622
	1994	0	1,694	530	325	28	90	2,666
	1995	806	162	155	194	13	114	1,446

Table 17. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
601-800	1996	106	309	83	75	47	251	871
	1997	376	46	317	682	124	396	1,941
	1998	94	251	306	195	6	209	1,060
	1999	317	185	524	213	164	298	1,701
	2000	1,494	381	1,614	517	18	170	4,193
	2001	1,409	646	346	43	12	114	2,570
	2002	253	238	140	19	29	119	797
	2003	15	231	94	0	29	147	517
	2004	238	88	100	17	5	33	481
	2005	180	104	60	0	5	14	363
	2006	290	149	110	74	13	34	670
	2007	37	192	129	23	0	164	544
	2008	439	282	238	61	0	89	1,109
	2009	104	168	181	64	35	104	656
	2010	0	0	55	36	8	76	174
	2011	433	0	670	361	18	181	1,664
	2012	0	110	533	89	35	115	882
	2013	120	484	426	136	3	119	1,288
	2014	239	385	257	349	40	148	1,417
801-1000	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	0	0	NA	NA	0
	1992	-	0	0	20	8	26	55
	1993	0	0	0	0	0	20	20
	1994	0	0	0	0	0	0	0
	1995	0	46	25	0	0	7	78
	1996	0	0	0	0	0	15	15
	1997	0	0	0	0	0	89	89
	1998	0	0	0	21	0	10	31
	1999	0	0	0	0	0	9	9
	2000	0	0	0	0	0	29	29
	2001	0	43	0	0	0	0	43
2002	0	0	0	0	0	0	0	
2003	0	0	0	0	0	8	8	
2004	0	0	0	0	0	0	0	
2005	0	0	0	0	0	12	12	
2006	0	0	0	0	0	30	30	

Table 17. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
801-1000	2007	0	0	0	0	0	0	0
	2008	79	0	0	0	0	15	94
	2009	0	0	0	0	0	0	0
	2010	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0
	2012	0	0	0	0	0	7	7
	2013	-	0	0	0	0	0	0
	2014	-	0	0	0	0	38	38
151-1000	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	30,315	11,819	NA	NA	42,134
	1992	41,146	34,216	18,683	25,728	1,598	3,598	124,968
	1993	30,920	51,504	46,680	62,801	1,202	6,933	200,039
	1994	30,323	30,563	31,354	38,083	1,280	1,963	133,566
	1995	37,958	49,260	66,252	23,574	3,949	3,744	184,736
	1996	42,668	29,683	32,207	7,020	682	2,616	114,877
	1997	53,418	21,578	32,783	28,013	1,429	4,370	141,592
	1998	77,077	32,887	26,322	64,437	3,142	5,288	209,155
	1999	55,597	51,537	53,414	49,978	2,416	5,046	217,988
	2000	66,010	42,655	59,456	24,308	1,726	4,278	198,434
	2001	39,647	41,160	41,241	9,372	1,039	4,060	136,518
	2002	31,211	21,965	24,991	15,463	723	3,710	98,064
	2003	34,234	14,751	6,777	3,889	727	4,186	64,565
	2004	16,002	16,770	13,351	1,918	378	853	49,272
	2005	11,484	14,724	16,111	2,739	282	762	46,101
	2006	26,171	13,504	21,875	6,330	495	2,486	70,861
	2007	17,670	15,215	20,057	6,792	1,528	4,596	65,857
	2008	17,543	16,125	17,884	6,822	1,282	9,116	68,772
	2009	18,456	14,494	17,793	11,182	1,052	4,892	67,869
2010	21,731	11,103	24,187	22,597	3,705	6,064	89,388	
2011	12,180	13,700	24,377	6,348	1,920	3,224	61,749	
2012	7,519	6,588	12,005	8,663	2,797	2,028	39,600	
2013	11,024	12,098	12,399	12,825	662	1,559	50,566	
2014	7,055	7,745	17,565	19,704	1,853	2,268	56,190	

Table 18. -- Relative population weight (RPW) of giant grenadier by North Pacific Fishery Management Council (NPFMC) regulatory districts and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
151-200	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	0	0	NA	NA	0
	1992	0	0	0	0	0	-	0
	1993	0	0	0	0	0	-	0
	1994	0	0	0	0	0	-	0
	1995	0	0	0	0	0	-	0
	1996	0	0	0	0	0	-	0
	1997	0	0	0	0	-	-	0
	1998	0	124	0	0	0	0	124
	1999	0	0	0	0	0	-	0
	2000	0	1,270	0	0	0	0	1,270
	2001	0	0	0	0	0	-	0
	2002	0	105	0	0	0	0	105
	2003	0	0	0	0	-	-	0
	2004	0	0	0	0	0	-	0
	2005	0	0	0	0	0	-	0
	2006	0	0	0	0	0	-	0
	2007	0	0	0	0	0	-	0
	2008	0	0	0	0	-	0	0
	2009	0	0	0	0	0	-	0
2010	934	0	0	0	0	-	934	
2011	0	0	0	0	-	-	0	
2012	0	0	0	0	0	-	0	
2013	0	0	0	0	0	-	0	
2014	0	0	0	0	0	0	0	
201-300	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	0	382	NA	NA	382
	1992	0	9,605	427	456	0	0	10,487
	1993	4,844	4,853	2,177	0	0	0	11,875
	1994	2,722	5,922	600	200	0	0	9,444
	1995	28,866	155	0	0	0	0	29,021
	1996	18,376	5,443	0	49	0	0	23,868
	1997	17,669	0	0	0	0	0	17,669
	1998	3,275	5,607	8,055	31	0	0	16,968

Table 18. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
201-300	1999	346	9,448	1,637	0	0	0	11,431
	2000	3,669	10,704	2,925	84	91	0	17,474
	2001	6,556	14,801	4,296	0	0	0	25,652
	2002	10,847	3,846	805	0	0	0	15,498
	2003	23,726	21,218	31	0	0	0	44,974
	2004	7,019	48	904	0	0	0	7,972
	2005	120	546	1,908	176	0	0	2,749
	2006	3,411	1,472	257	0	0	0	5,140
	2007	322	9,622	14,049	0	0	0	23,992
	2008	11,679	1,342	748	28	0	0	13,797
	2009	18,377	539	2,394	41	0	0	21,350
	2010	34,136	9,164	694	413	0	0	44,408
	2011	7,280	0	0	0	0	0	7,280
	2012	12,770	2,301	826	107	0	0	16,003
2013	6,463	1,457	220	308	0	0	8,448	
2014	4,343	12,946	205	0	111	0	17,605	
301-400	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	10,480	1,301	NA	NA	11,781
	1992	29,306	21,890	4,547	1,666	383	0	57,792
	1993	49,644	29,657	14,049	810	460	320	94,939
	1994	40,924	31,265	9,026	624	488	304	82,630
	1995	64,760	9,633	7,753	504	460	119	83,229
	1996	43,658	34,354	21,151	699	307	350	100,519
	1997	47,609	13,115	9,433	696	586	137	71,576
	1998	71,760	22,717	19,737	314	566	42	115,135
	1999	49,916	35,236	52,036	1,221	178	988	139,576
	2000	44,987	30,420	11,259	1,581	677	485	89,410
	2001	46,812	43,362	16,000	769	372	943	108,257
	2002	48,922	25,562	30,211	772	1,177	760	107,404
	2003	47,035	36,729	20,340	830	763	170	105,867
2004	40,490	14,723	7,978	277	259	671	64,399	
2005	35,193	18,492	15,626	455	772	234	70,771	
2006	34,455	25,505	27,194	434	827	1,221	89,636	
2007	46,492	23,452	37,314	2,260	1,893	290	111,701	
2008	46,355	14,874	25,260	1,407	1,428	796	90,120	
2009	38,973	26,044	22,566	2,203	454	93	90,333	

Table 18. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
301-400	2010	50,596	31,156	28,310	1,676	1,371	868	113,978
	2011	33,562	17,546	10,064	771	147	699	62,789
	2012	39,961	32,319	27,730	2,350	1,229	120	103,709
	2013	39,897	22,037	29,575	1,850	760	571	94,690
	2014	43,322	25,590	15,496	834	2,060	264	87,565
401-600	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	37,534	6,058	NA	NA	43,593
	1992	145,848	62,330	33,361	3,888	1,628	1,302	248,357
	1993	133,706	79,208	29,242	10,610	2,283	1,891	256,940
	1994	180,933	76,362	40,560	6,648	1,619	2,442	308,565
	1995	169,471	104,500	69,301	10,245	5,005	3,707	362,230
	1996	116,039	112,808	57,270	8,664	4,363	2,687	301,831
	1997	139,808	111,814	69,367	18,445	3,897	2,483	345,815
	1998	156,929	67,094	55,915	11,089	3,886	4,768	299,681
	1999	123,360	87,233	83,205	13,219	2,581	4,825	314,423
	2000	118,267	95,805	78,543	14,225	3,812	3,858	314,510
	2001	134,473	77,181	64,224	15,124	2,987	4,111	298,100
	2002	137,967	49,202	40,563	5,763	4,894	5,495	243,884
	2003	106,898	81,266	68,004	9,576	3,439	2,607	271,790
	2004	117,622	54,976	38,878	6,322	1,464	2,027	221,289
	2005	100,310	64,523	59,614	9,317	3,279	2,478	239,522
	2006	121,566	56,990	34,314	8,913	3,783	2,889	228,455
	2007	173,884	91,869	82,513	27,326	6,417	4,879	386,889
	2008	102,349	44,019	61,456	12,893	3,663	2,696	227,076
	2009	110,116	91,218	75,847	15,697	3,997	4,737	301,612
2010	153,718	109,655	72,624	14,402	4,740	3,087	358,226	
2011	113,755	60,241	57,545	11,880	2,934	3,176	249,532	
2012	150,568	91,330	45,228	14,975	4,924	5,306	312,332	
2013	142,166	84,216	53,835	16,869	3,678	3,157	303,922	
2014	139,633	76,047	61,412	12,749	3,164	1,976	294,981	
601-800	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	34,557	16,316	NA	NA	50,873
	1992	82,637	79,759	27,014	9,396	2,480	2,796	204,081
	1993	108,934	97,853	33,161	17,247	3,285	3,458	263,937
	1994	129,459	83,882	56,052	18,939	5,841	4,919	299,093
	1995	131,826	135,479	81,178	18,995	3,195	5,477	376,149

Table 18. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
601-800	1996	108,819	129,500	73,719	14,143	2,902	5,823	334,907
	1997	131,146	136,982	69,412	24,389	3,831	6,700	372,460
	1998	140,471	71,121	45,373	21,576	3,368	10,057	291,965
	1999	103,113	90,570	69,866	25,058	5,045	11,755	305,407
	2000	136,917	89,780	51,796	27,736	3,184	10,478	319,891
	2001	132,252	85,429	56,828	25,627	4,654	10,539	315,329
	2002	115,986	62,824	35,586	11,736	3,231	10,165	239,528
	2003	119,896	98,051	65,977	19,464	3,571	6,018	312,977
	2004	110,572	67,658	33,409	13,830	1,799	5,609	232,877
	2005	102,134	58,938	54,111	20,345	3,137	8,940	247,605
	2006	125,114	73,851	37,471	19,413	2,518	9,549	267,915
	2007	142,548	99,657	58,709	35,731	5,865	9,180	351,690
	2008	120,691	83,938	46,973	25,720	3,211	9,514	290,048
	2009	103,389	94,717	73,091	29,632	3,571	12,308	316,708
2010	147,230	155,810	69,833	20,213	3,515	10,756	407,357	
2011	90,624	68,049	46,685	25,046	3,846	8,117	242,367	
2012	104,396	83,755	51,368	24,906	4,128	9,339	277,892	
2013	116,638	77,393	50,792	25,548	3,574	8,599	282,545	
2014	114,164	68,507	55,687	25,776	3,092	6,990	274,215	
801-1000	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	59,524	18,715	NA	NA	78,239
	1992	-	89,831	49,667	15,063	1,774	8,826	165,162
	1993	160,191	164,487	47,824	26,865	3,956	8,019	411,342
	1994	98,677	101,582	92,369	14,033	1,556	9,782	317,998
	1995	139,819	128,622	92,042	35,236	3,938	12,584	412,241
	1996	81,609	136,407	107,058	17,357	4,848	11,997	359,277
	1997	129,652	127,386	134,132	51,776	1,874	13,747	458,567
	1998	138,060	82,761	62,689	26,378	3,445	28,370	341,703
	1999	112,118	86,022	109,654	36,926	3,836	21,245	369,801
	2000	137,896	96,691	82,192	41,461	2,456	23,979	384,676
	2001	75,692	99,985	81,429	36,072	3,130	21,559	317,867
2002	101,137	68,500	85,101	12,487	4,157	22,390	293,771	
2003	93,574	94,032	76,842	33,612	5,737	18,206	322,003	
2004	95,799	91,110	48,899	19,777	5,879	12,631	274,095	
2005	75,356	77,649	65,930	32,615	2,489	11,359	265,398	
2006	113,341	48,264	58,011	23,327	3,027	19,006	264,976	

Table 18. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
801-1000	2007	93,753	91,659	104,472	50,155	2,785	19,937	362,760
	2008	93,287	88,918	52,393	41,343	2,617	16,688	295,246
	2009	99,744	50,030	117,864	36,896	3,780	22,675	330,990
	2010	92,451	80,121	89,565	26,102	5,689	17,194	311,123
	2011	67,006	90,215	74,509	16,286	1,579	16,918	266,512
	2012	0	73,146	76,742	24,032	3,862	21,971	199,752
	2013	-	67,079	89,451	30,283	1,141	16,391	204,345
	2014	-	52,474	48,765	47,963	1,867	21,671	172,740
151-1000	1990	NA	NA	NA	NA	NA	NA	NA
	1991	NA	NA	142,095	42,772	NA	NA	184,868
	1992	257,790	263,414	115,016	30,469	6,265	12,924	685,879
	1993	457,319	376,057	126,453	55,533	9,984	13,688	1,039,034
	1994	452,716	299,014	198,607	40,443	9,503	17,447	1,017,729
	1995	534,742	378,389	250,274	64,980	12,598	21,887	1,262,870
	1996	368,502	418,512	259,198	40,912	12,420	20,858	1,120,401
	1997	465,883	389,296	282,344	95,306	10,188	23,067	1,266,086
	1998	510,495	249,424	191,769	59,387	11,264	43,237	1,065,575
	1999	388,854	308,510	316,397	76,424	11,640	38,812	1,140,638
	2000	441,736	324,670	226,715	85,088	10,221	38,801	1,127,231
	2001	395,784	320,758	222,777	77,591	11,143	37,152	1,065,205
	2002	414,859	210,038	192,266	30,758	13,459	38,810	900,190
	2003	391,128	331,296	231,194	63,482	13,511	27,001	1,057,612
	2004	371,502	228,515	130,069	40,206	9,401	20,938	800,631
	2005	313,113	220,148	197,189	62,908	9,677	23,011	826,045
	2006	397,888	206,082	157,246	52,087	10,155	32,665	856,122
2007	456,998	316,259	297,057	115,472	16,961	34,286	1,237,033	
2008	374,362	233,091	186,831	81,391	10,918	29,694	916,287	
2009	370,599	262,548	291,762	84,470	11,802	39,813	1,060,993	
2010	479,065	385,906	261,027	62,806	15,315	31,905	1,236,025	
2011	312,226	236,051	188,803	53,983	8,505	28,911	828,480	
2012	307,695	282,851	201,894	66,370	14,142	36,736	909,689	
2013	305,165	252,184	223,873	74,859	9,154	28,718	893,951	
2014	301,463	235,564	181,565	87,322	10,293	30,901	847,106	

Table 19. -- Relative population weight (RPW) of Greenland turbot by North Pacific Fishery Management Council (NPFMC) regulatory districts and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
151-200	1990	0	0	0	0	0	-	0
	1991	0	0	0	0	0	-	0
	1992	0	0	0	0	0	-	0
	1993	0	0	0	0	0	-	0
	1994	0	0	0	0	0	-	0
	1995	0	0	0	0	0	-	0
	1996	0	0	0	0	0	-	0
	1997	0	0	0	0	0	-	0
	1998	0	0	0	0	0	0	0
	1999	0	0	0	0	0	-	0
	2000	0	0	0	0	0	0	0
	2001	0	0	0	0	0	-	0
	2002	0	0	0	0	0	0	0
	2003	0	0	0	0	0	-	0
	2004	0	0	0	0	0	-	0
	2005	0	0	0	0	0	-	0
	2006	0	0	0	0	0	-	0
	2007	0	0	0	0	0	-	0
	2008	0	0	0	0	0	-	0
	2009	0	0	0	0	0	-	0
2010	0	0	0	0	0	-	0	
2011	0	0	0	0	0	-	0	
2012	0	0	0	0	0	-	0	
2013	0	0	0	0	0	-	0	
2014	0	0	0	0	0	0	0	
201-300	1990	0	0	0	0	0	0	0
	1991	0	0	0	0	0	0	0
	1992	0	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0
	1995	0	0	0	0	0	0	0
	1996	0	0	0	0	0	0	0
	1997	20	0	0	0	0	0	20
1998	0	0	0	0	0	0	0	

Table 19. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
201-300	1999	0	0	0	0	0	0	0
	2000	0	0	0	0	0	0	0
	2001	0	0	0	0	0	0	0
	2002	0	0	0	0	0	0	0
	2003	0	0	0	0	0	0	0
	2004	0	0	0	0	0	0	0
	2005	0	0	0	0	0	0	0
	2006	0	0	0	0	0	0	0
	2007	0	0	0	0	0	0	0
	2008	0	0	0	0	0	0	0
	2009	0	0	0	0	0	0	0
	2010	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	
2014	0	0	0	0	0	0	0	
301-400	1990	0	0	0	0	0	0	0
	1991	0	0	0	0	0	0	0
	1992	0	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0
	1995	0	0	0	0	0	0	0
	1996	0	0	0	0	0	0	0
	1997	9	0	0	0	0	0	9
	1998	0	0	0	0	0	0	0
	1999	0	0	0	0	0	0	0
	2000	0	0	0	0	0	0	0
	2001	0	11	0	0	0	0	11
	2002	0	0	0	0	0	0	0
	2003	0	0	0	0	0	0	0
	2004	0	0	0	0	0	0	0
	2005	0	0	0	0	0	0	0
2006	0	0	0	0	0	0	0	
2007	0	0	0	0	0	0	0	
2008	0	0	0	0	0	0	0	
2009	0	0	0	0	0	0	0	

Table 19. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
301-400	2010	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0
	2013	0	0	0	0	0	0	0
	2014	0	0	0	0	0	0	0
401-600	1990	0	0	0	0	0	0	0
	1991	0	0	0	0	0	0	0
	1992	0	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0
	1995	29	0	0	0	0	0	29
	1996	245	12	0	0	0	0	257
	1997	130	0	0	30	0	28	188
	1998	111	59	0	0	0	0	169
	1999	33	0	18	0	0	0	52
	2000	309	0	0	0	0	0	309
	2001	209	0	22	0	0	0	231
	2002	280	0	0	0	0	0	280
	2003	0	0	0	0	0	7	7
	2004	0	0	0	0	0	0	0
	2005	0	0	0	0	0	0	0
	2006	0	0	0	0	0	0	0
	2007	61	0	0	0	0	0	61
	2008	67	0	0	0	0	0	67
	2009	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	
2011	0	0	0	0	0	0	0	
2012	0	0	0	0	0	0	0	
2013	0	0	0	0	0	0	0	
2014	0	0	0	0	0	0	0	
601-800	1990	0	0	0	0	0	0	0
	1991	0	0	0	0	0	0	0
	1992	0	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0
	1995	0	0	0	0	0	0	0

Table 19. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
601-800	1996	87	56	23	0	0	0	166
	1997	0	0	0	0	0	0	0
	1998	278	0	0	0	0	0	278
	1999	165	64	0	0	0	0	229
	2000	9	0	0	0	0	0	9
	2001	689	0	0	0	0	0	689
	2002	112	0	63	13	0	0	188
	2003	0	0	0	0	0	0	0
	2004	0	0	0	0	0	0	0
	2005	0	0	0	0	0	0	0
	2006	0	0	0	0	0	0	0
	2007	0	0	0	0	0	0	0
	2008	0	0	0	0	0	0	0
	2009	0	0	0	0	0	0	0
	2010	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0
	2013	0	0	0	0	0	0	0
	2014	0	0	0	0	0	0	0
801-1000	1990	0	0	0	0	0	0	0
	1991	0	0	0	0	0	0	0
	1992	-	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0
	1995	0	0	0	0	0	0	0
	1996	0	0	0	0	0	0	0
	1997	0	0	0	0	0	0	0
	1998	160	0	0	60	0	0	220
	1999	0	0	0	0	0	0	0
	2000	0	0	0	0	0	0	0
	2001	0	0	0	0	0	0	0
	2002	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	
2004	0	0	0	0	0	0	0	
2005	0	0	0	0	0	0	0	
2006	0	0	0	0	0	0	0	

Table 19. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
801-1000	2007	0	0	0	0	0	0	0
	2008	0	0	0	0	0	0	0
	2009	0	0	0	0	0	0	0
	2010	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0
	2013	-	0	0	0	0	0	0
	2014	-	0	0	0	0	0	0
151-1000	1990	0	0	0	0	0	0	0
	1991	0	0	0	0	0	0	0
	1992	0	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0
	1995	29	0	0	0	0	0	29
	1996	331	69	23	0	0	0	423
	1997	159	0	0	30	0	28	217
	1998	548	59	0	60	0	0	667
	1999	198	64	18	0	0	0	280
	2000	318	0	0	0	0	0	318
	2001	898	11	22	0	0	0	932
	2002	392	0	63	13	0	0	468
	2003	0	0	0	0	0	7	7
	2004	0	0	0	0	0	0	0
	2005	0	0	0	0	0	0	0
	2006	0	0	0	0	0	0	0
	2007	61	0	0	0	0	0	61
	2008	67	0	0	0	0	0	67
	2009	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	
2011	0	0	0	0	0	0	0	
2012	0	0	0	0	0	0	0	
2013	0	0	0	0	0	0	0	
2014	0	0	0	0	0	0	0	

Table 20. -- Relative population weight (RPW) of spiny dogfish by North Pacific Fishery Management Council (NPFMC) regulatory districts and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 2010-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West	East	Southeast	Total
					Yakutat	Yakutat		
151-200	2010	695	717	0	2,345	0	-	3,757
	2011	222	378	0	4,020	-	-	4,621
	2012	94	375	0	10,819	6,755	-	18,043
	2013	237	0	0	446	0	-	684
	2014	277	40	0	2,041	0	86,543	88,902
201-300	2010	127	28	50	200	85	1,173	1,664
	2011	29	141	0	310	170	1,088	1,737
	2012	205	42	29	214	817	1,717	3,024
	2013	375	80	0	125	47	3,418	4,044
	2014	112	30	0	86	210	3,640	4,078
301-400	2010	0	0	0	199	15	66	280
	2011	0	0	0	29	21	271	321
	2012	0	0	0	569	75	143	788
	2013	0	0	0	0	13	418	431
	2014	0	0	0	10	16	378	405
401-600	2010	0	0	40	166	0	0	205
	2011	0	0	0	109	0	4	113
	2012	0	0	0	1,097	85	0	1,183
	2013	0	0	0	0	0	5	5
	2014	0	0	0	0	0	7	7
601-800	2010	0	0	0	471	0	0	471
	2011	0	0	0	76	3	0	80
	2012	0	0	0	703	43	142	888
	2013	0	0	0	5	0	0	5
	2014	0	0	0	0	0	0	0
801-1000	2010	0	0	0	201	0	0	201
	2011	0	0	0	0	0	0	0
	2012	0	0	0	1,917	9	876	2,802
	2013	-	0	0	0	0	0	0
	2014	-	0	0	0	0	0	0
151-1000	2010	822	745	90	3,582	100	1,239	6,579
	2011	251	520	0	4,544	194	1,363	6,871
	2012	299	417	29	15,320	7,785	2,878	26,727
	2013	612	80	0	577	60	3,842	5,170

Table 20. -- Cont.

Depth (m)	Year	Shumagin	Chirikof	Kodiak	West Yakutat	East Yakutat	Southeast	Total
151-1000	2014	390	70	0	2,138	226	90,567	93,392

Table 21. -- Relative population number (RPN) of sablefish by depth interval in the Aleutian Islands (AI) and Bering Sea North Pacific Fishery Management Council regulatory areas from National Marine Fisheries Service longline surveys, 1996-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
151-200	1996	NA	839	-	-	-	-	839
	1997	-	-	46	0	26	0	71
	1998	75	1,081	-	-	-	-	1,156
	1999	-	-	0	101	0	0	101
	2000	50	1,090	-	-	-	-	1,140
	2001	-	-	0	0	0	0	0
	2002	0	941	-	-	-	-	941
	2003	-	-	0	0	0	0	0
	2004	0	2,059	-	-	-	-	2,059
	2005	-	-	881	0	0	0	881
	2006	0	4,688	-	-	-	-	4,688
	2007	-	-	0	72	0	-	72
	2008	76	3,028	-	-	-	-	3,104
	2009	-	-	-	0	0	0	0
2010	107	42	-	-	-	-	149	
2011	-	-	0	0	0	0	0	
2012	17	5,637	-	-	-	-	5,653	
2013	-	-	0	0	0	12	12	
2014	599	620	-	-	-	-	1,219	
201-300	1996	NA	2,264	-	-	-	-	2,264
	1997	-	-	128	0	403	32	563
	1998	1,156	3,307	-	-	-	-	4,463
	1999	-	-	0	29	0	0	29
	2000	1,017	4,823	-	-	-	-	5,840
	2001	-	-	0	81	22	0	104
	2002	1,589	1,983	-	-	-	-	3,572
	2003	-	-	0	151	39	0	190
	2004	1,771	4,031	-	-	-	-	5,801
	2005	-	-	2,890	25	9	15	2,939
	2006	290	5,868	-	-	-	-	6,157
2007	-	-	23	103	0	0	125	
2008	972	3,223	-	-	-	-	4,196	
2009	-	-	-	0	0	0	0	
2010	1,135	1,252	-	-	-	-	2,387	
2011	-	-	92	0	0	0	92	

Table 21. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
201-300	2012	616	6,152	-	-	-	-	6,768
	2013	-	-	260	43	0	0	302
301-400	2014	1,078	5,699	-	-	-	-	6,778
	1996	NA	3,314	-	-	-	-	3,314
	1997	-	-	330	0	286	383	998
	1998	3,982	4,340	-	-	-	-	8,322
	1999	-	-	133	196	52	46	427
	2000	3,983	7,737	-	-	-	-	11,719
	2001	-	-	313	2,355	64	54	2,786
	2002	5,963	3,030	-	-	-	-	8,993
	2003	-	-	246	1,719	467	0	2,432
	2004	3,154	4,839	-	-	-	-	7,993
	2005	-	-	4,439	1,485	219	1,538	7,681
	2006	2,982	7,815	-	-	-	-	10,797
	2007	-	-	2,049	176	111	1,059	3,395
	2008	1,732	3,542	-	-	-	-	5,273
	2009	-	-	-	0	77	272	349
	2010	1,022	2,484	-	-	-	-	3,506
	401-600	2011	-	-	1,288	0	9	0
2012		2,979	2,166	-	-	-	-	5,144
2013		-	-	1,117	421	163	109	1,810
2014		3,188	3,137	-	-	-	-	6,325
1996		NA	4,287	-	-	-	-	4,287
1997		-	-	3,274	7,367	1,624	971	13,237
1998		20,368	10,337	-	-	-	-	30,706
1999		-	-	7,322	8,923	1,325	790	18,360
2000		9,866	10,819	-	-	-	-	20,685
2001		-	-	10,646	22,977	2,362	905	36,890
2002		11,116	5,751	-	-	-	-	16,867
2003		-	-	5,311	15,984	2,995	3,321	27,611
2004		12,961	8,942	-	-	-	-	21,903
2005		-	-	11,863	21,650	2,473	2,019	38,005
2006	16,678	9,266	-	-	-	-	25,944	
2007	-	-	15,120	16,110	3,311	-	34,541	
2008	12,147	5,618	-	-	-	-	17,766	
2009	-	-	-	2,678	1,866	1,146	5,691	
2010	8,723	6,599	-	-	-	-	15,322	

Table 21. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
401-600	2011	-	-	9,265	5,394	856	467	15,982
	2012	12,698	7,109	-	-	-	-	19,806
	2013	-	-	7,220	19,726	1,378	1,666	29,990
	2014	12,954	3,983	-	-	-	-	16,938
601-800	1996	NA	3,234	-	-	-	-	3,234
	1997	-	-	3,348	12,804	1,993	808	18,953
	1998	17,994	6,486	-	-	-	-	24,480
	1999	-	-	6,617	16,781	1,066	678	25,142
	2000	9,119	2,281	-	-	-	-	11,400
	2001	-	-	7,135	20,675	1,714	429	29,952
	2002	13,610	3,773	-	-	-	-	17,383
	2003	-	-	4,468	31,462	2,116	2,048	40,094
	2004	11,492	2,095	-	-	-	-	13,587
	2005	-	-	11,005	20,084	2,741	1,791	35,621
	2006	17,520	2,294	-	-	-	-	19,814
	2007	-	-	14,190	30,838	5,344	-	50,373
	2008	13,577	2,955	-	-	-	-	16,532
	2009	-	-	5,537	3,620	3,112	572	12,841
	2010	5,372	3,566	-	-	-	-	8,939
	2011	-	-	4,219	6,156	1,273	418	12,066
2012	12,150	3,472	-	-	-	-	15,622	
2013	-	-	5,937	36,950	1,768	837	45,492	
2014	11,062	1,786	-	-	-	-	12,848	
801-1000	1996	NA	339	-	-	-	-	339
	1997	-	-	5,247	4,189	597	263	10,295
	1998	2,786	1,206	-	-	-	-	3,992
	1999	-	-	2,877	3,238	104	353	6,572
	2000	14,901	1,135	-	-	-	-	16,036
	2001	-	-	6,149	8,498	-	-	14,647
	2002	19,879	1,285	-	-	-	-	21,165
	2003	-	-	2,862	-	643	665	4,170
	2004	4,502	657	-	-	-	-	5,159
	2005	-	-	6,633	12,079	0	188	18,900
	2006	557	472	-	-	-	-	1,030
2007	-	-	-	15,368	400	-	15,768	
2008	3,848	1,031	-	-	-	-	4,879	
2009	-	-	3,299	-	-	88	3,387	

Table 21. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
801-1000	2010	6,185	307	-	-	-	-	6,491
	2011	-	-	-	4,573	0	397	4,970
	2012	14,093	0	-	-	-	-	14,093
	2013	-	-	2,744	19,271	107	-	22,122
	2014	3,872	432	-	-	-	-	4,304
151-1000	1996	NA	14,277	-	-	-	-	14,277
	1997	-	-	12,373	24,361	4,927	2,456	44,117
	1998	46,361	26,757	-	-	-	-	73,118
	1999	-	-	16,949	29,269	2,546	1,867	50,631
	2000	38,935	27,885	-	-	-	-	66,821
	2001	-	-	24,243	54,586	4,163	1,387	84,379
	2002	52,158	16,764	-	-	-	-	68,921
	2003	-	-	12,887	49,315	6,261	6,035	74,498
	2004	33,879	22,623	-	-	-	-	56,502
	2005	-	-	37,710	55,325	5,441	5,552	104,027
	2006	38,027	30,403	-	-	-	-	68,429
	2007	-	-	31,382	62,668	9,167	1,059	104,275
	2008	32,352	19,397	-	-	-	-	51,750
	2009	-	-	8,836	6,299	5,055	2,078	22,268
	2010	22,544	14,250	-	-	-	-	36,794
2011	-	-	14,864	16,123	2,138	1,282	34,407	
2012	42,553	24,535	-	-	-	-	67,087	
2013	-	-	17,278	76,411	3,416	2,624	99,729	
2014	32,753	15,657	-	-	-	-	48,410	

Table 22. -- Relative population number (RPN) of shortspine thornyhead by depth interval in the Aleutian Islands (AI) and Bering Sea North Pacific Fishery Management Council regulatory areas from National Marine Fisheries Service longline surveys, 1996-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
151-200	1996	NA	0	-	-	-	-	0
	1997	-	-	46	0	0	0	46
	1998	3	10	-	-	-	-	14
	1999	-	-	0	0	0	0	0
	2000	0	10	-	-	-	-	10
	2001	-	-	0	0	0	0	0
	2002	0	0	-	-	-	-	0
	2003	-	-	0	0	0	0	0
	2004	0	0	-	-	-	-	0
	2005	-	-	0	0	0	0	0
	2006	0	0	-	-	-	-	0
	2007	-	-	0	0	230	-	230
	2008	150	105	-	-	-	-	256
	2009	-	-	-	0	0	0	0
201-300	2010	106	991	-	-	-	-	1,097
	2011	-	-	39	0	54	0	93
	2012	106	833	-	-	-	-	939
	2013	-	-	0	0	0	0	0
	2014	0	0	-	-	-	-	0
	1996	NA	253	-	-	-	-	253
	1997	-	-	481	0	3	0	484
	1998	646	396	-	-	-	-	1,041
	1999	-	-	0	0	0	0	0
	2000	478	36	-	-	-	-	514
	2001	-	-	193	0	0	0	193
	2002	972	246	-	-	-	-	1,218
	2003	-	-	0	0	0	0	0
	2004	1,363	431	-	-	-	-	1,795
	2005	-	-	48	0	129	0	177
	2006	119	415	-	-	-	-	534
	2007	-	-	127	0	202	0	330
2008	1,197	2,318	-	-	-	-	3,516	
2009	-	-	-	0	0	0	0	
2010	612	5,145	-	-	-	-	5,757	
2011	-	-	419	0	76	0	496	

Table 22. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
201-300	2012	1,794	1,674	-	-	-	-	3,469
	2013	-	-	257	0	73	0	330
	2014	1,071	2,551	-	-	-	-	3,622
301-400	1996	NA	2,547	-	-	-	-	2,547
	1997	-	-	960	0	28	0	988
	1998	608	1,052	-	-	-	-	1,660
	1999	-	-	133	0	6	0	139
	2000	874	1,415	-	-	-	-	2,289
	2001	-	-	834	0	23	0	857
	2002	932	1,671	-	-	-	-	2,603
	2003	-	-	255	0	0	0	255
	2004	870	2,552	-	-	-	-	3,421
	2005	-	-	1,896	49	132	0	2,078
	2006	145	1,459	-	-	-	-	1,605
	2007	-	-	1,778	0	0	0	1,778
	2008	1,150	1,804	-	-	-	-	2,954
	2009	-	-	-	0	494	27	521
	2010	840	3,499	-	-	-	-	4,339
	2011	-	-	1,932	81	18	0	2,031
	2012	841	2,841	-	-	-	-	3,682
2013	-	-	3,304	30	261	0	3,595	
2014	2,112	1,099	-	-	-	-	3,210	
401-600	1996	NA	3,359	-	-	-	-	3,359
	1997	-	-	2,637	206	312	30	3,185
	1998	3,615	3,431	-	-	-	-	7,047
	1999	-	-	827	91	264	33	1,216
	2000	2,922	3,473	-	-	-	-	6,395
	2001	-	-	2,135	312	471	176	3,094
	2002	3,081	3,579	-	-	-	-	6,660
	2003	-	-	2,715	654	1,463	77	4,909
	2004	2,230	3,064	-	-	-	-	5,294
	2005	-	-	3,255	718	583	86	4,642
	2006	2,798	3,095	-	-	-	-	5,893
2007	-	-	2,875	545	789	-	4,208	
2008	3,618	2,581	-	-	-	-	6,199	
2009	-	-	-	1,991	910	263	3,163	
2010	2,665	2,853	-	-	-	-	5,518	

Table 22. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
401-600	2011	-	-	4,856	3,249	1,737	800	10,642
	2012	3,961	3,284	-	-	-	-	7,245
	2013	-	-	3,242	2,548	927	350	7,067
	2014	3,662	2,386	-	-	-	-	6,048
601-800	1996	NA	1,896	-	-	-	-	1,896
	1997	-	-	1,680	1,286	570	104	3,641
	1998	3,237	1,562	-	-	-	-	4,799
	1999	-	-	296	487	439	102	1,325
	2000	6,011	1,088	-	-	-	-	7,099
	2001	-	-	1,266	343	439	361	2,408
	2002	2,760	1,142	-	-	-	-	3,902
	2003	-	-	651	242	415	225	1,534
	2004	3,137	921	-	-	-	-	4,058
	2005	-	-	1,179	825	490	92	2,586
	2006	2,900	772	-	-	-	-	3,672
	2007	-	-	1,514	1,716	991	-	4,221
	2008	5,402	1,078	-	-	-	-	6,480
	2009	-	-	958	9,920	943	333	12,155
	2010	1,311	1,657	-	-	-	-	2,968
	2011	-	-	3,379	7,564	1,917	130	12,989
	2012	3,939	864	-	-	-	-	4,804
	2013	-	-	1,281	4,876	1,021	388	7,565
	2014	3,814	2,191	-	-	-	-	6,005
	801-1000	1996	NA	1,088	-	-	-	-
1997		-	-	842	283	114	0	1,239
1998		348	654	-	-	-	-	1,002
1999		-	-	0	0	69	0	69
2000		5,604	262	-	-	-	-	5,865
2001		-	-	695	33	-	-	728
2002		4,463	798	-	-	-	-	5,261
2003		-	-	136	-	446	72	653
2004		1,471	247	-	-	-	-	1,719
2005		-	-	1,282	0	0	0	1,282
2006		279	327	-	-	-	-	606
2007		-	-	-	496	100	-	596
2008		4,820	760	-	-	-	-	5,580
2009	-	-	463	-	-	0	463	

Table 22. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
801-1000	2010	5,101	678	-	-	-	-	5,779
	2011	-	-	-	453	0	0	453
	2012	7,443	0	-	-	-	-	7,443
	2013	-	-	1,551	0	0	-	1,551
	2014	4,323	947	-	-	-	-	5,270
151-1000	1996	NA	9,142	-	-	-	-	9,142
	1997	-	-	6,647	1,776	1,026	134	9,583
	1998	8,458	7,105	-	-	-	-	15,563
	1999	-	-	1,256	578	779	136	2,748
	2000	15,889	6,284	-	-	-	-	22,173
	2001	-	-	5,123	687	933	537	7,280
	2002	12,208	7,437	-	-	-	-	19,645
	2003	-	-	3,756	896	2,324	374	7,351
	2004	9,072	7,216	-	-	-	-	16,287
	2005	-	-	7,661	1,592	1,334	179	10,766
	2006	6,241	6,068	-	-	-	-	12,310
	2007	-	-	6,294	2,757	2,312	0	11,363
	2008	16,338	8,647	-	-	-	-	24,985
	2009	-	-	1,421	11,911	2,347	623	16,302
	2010	10,636	14,823	-	-	-	-	25,458
2011	-	-	10,625	11,347	3,802	930	26,703	
2012	18,085	9,497	-	-	-	-	27,581	
2013	-	-	9,635	7,453	2,281	738	20,107	
2014	14,982	9,173	-	-	-	-	24,155	

Table 23. -- Relative population number (RPN) of roughey and blackspotted rockfish by depth interval in the Aleutian Islands (AI) and Bering Sea North Pacific Fishery Management Council regulatory areas from National Marine Fisheries Service longline surveys, 1996-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
151-200	1996	NA	576	-	-	-	-	576
	1997	-	-	927	23	0	0	950
	1998	24	232	-	-	-	-	256
	1999	-	-	1,123	0	42	0	1,165
	2000	121	259	-	-	-	-	380
	2001	-	-	1,646	0	126	0	1,773
	2002	262	693	-	-	-	-	955
	2003	-	-	939	69	38	0	1,047
	2004	132	1,017	-	-	-	-	1,149
	2005	-	-	2,610	24	130	0	2,764
	2006	178	3,218	-	-	-	-	3,396
	2007	-	-	652	0	243	-	895
	2008	211	977	-	-	-	-	1,187
	2009	-	-	-	38	173	0	211
2010	726	189	-	-	-	-	914	
2011	-	-	2,243	0	107	0	2,350	
2012	442	2,627	-	-	-	-	3,069	
2013	-	-	443	0	0	0	443	
2014	999	2,715	-	-	-	-	3,714	
201-300	1996	NA	6,712	-	-	-	-	6,712
	1997	-	-	683	0	1	0	684
	1998	2,688	3,685	-	-	-	-	6,373
	1999	-	-	4,195	33	100	27	4,356
	2000	580	8,863	-	-	-	-	9,443
	2001	-	-	7,953	0	22	0	7,975
	2002	2,232	4,489	-	-	-	-	6,721
	2003	-	-	13,323	61	91	0	13,474
	2004	1,479	8,690	-	-	-	-	10,169
	2005	-	-	5,320	157	66	31	5,574
	2006	1,062	13,450	-	-	-	-	14,512
	2007	-	-	3,578	79	111	0	3,767
	2008	415	7,966	-	-	-	-	8,381
	2009	-	-	-	0	184	0	184
2010	1,117	4,151	-	-	-	-	5,269	
2011	-	-	3,689	72	7	0	3,768	

Table 23. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
201-300	2012	193	6,272	-	-	-	-	6,465
	2013	-	-	10,191	66	13	0	10,270
	2014	1,390	5,697	-	-	-	-	7,087
301-400	1996	NA	10,957	-	-	-	-	10,957
	1997	-	-	1,337	140	122	41	1,640
	1998	6,666	10,598	-	-	-	-	17,264
	1999	-	-	5,734	602	11	30	6,377
	2000	4,190	16,821	-	-	-	-	21,011
	2001	-	-	3,303	125	65	90	3,583
	2002	4,224	10,271	-	-	-	-	14,495
	2003	-	-	6,748	342	177	0	7,266
	2004	3,193	12,728	-	-	-	-	15,921
	2005	-	-	2,166	149	175	91	2,580
	2006	3,080	15,062	-	-	-	-	18,142
	2007	-	-	1,864	561	239	148	2,812
	2008	1,188	8,138	-	-	-	-	9,326
	2009	-	-	-	465	409	28	903
	2010	2,082	7,479	-	-	-	-	9,561
	2011	-	-	2,751	335	359	87	3,532
	2012	2,142	5,296	-	-	-	-	7,438
2013	-	-	1,833	396	31	175	2,435	
2014	1,859	12,456	-	-	-	-	14,315	
401-600	1996	NA	1,857	-	-	-	-	1,857
	1997	-	-	51	0	27	35	113
	1998	1,052	2,905	-	-	-	-	3,957
	1999	-	-	43	92	12	56	202
	2000	3,508	2,568	-	-	-	-	6,076
	2001	-	-	13	21	67	0	101
	2002	548	1,421	-	-	-	-	1,970
	2003	-	-	880	167	21	0	1,068
	2004	544	1,503	-	-	-	-	2,048
	2005	-	-	0	9	12	41	62
	2006	787	3,090	-	-	-	-	3,877
	2007	-	-	66	56	34	-	155
2008	291	1,548	-	-	-	-	1,839	
2009	-	-	-	150	75	22	247	
2010	477	1,695	-	-	-	-	2,171	

Table 23. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
401-600	2011	-	-	235	24	28	0	287
	2012	261	1,326	-	-	-	-	1,587
	2013	-	-	52	0	175	0	227
	2014	480	4,033	-	-	-	-	4,512
601-800	1996	NA	19	-	-	-	-	19
	1997	-	-	11	0	0	0	11
	1998	20	46	-	-	-	-	66
	1999	-	-	0	0	0	0	0
	2000	0	8	-	-	-	-	8
	2001	-	-	0	0	0	0	0
	2002	0	0	-	-	-	-	0
	2003	-	-	0	0	0	0	0
	2004	10	0	-	-	-	-	10
	2005	-	-	0	0	0	0	0
	2006	0	0	-	-	-	-	0
	2007	-	-	0	0	0	-	0
	2008	0	0	-	-	-	-	0
	2009	-	-	0	0	0	0	0
	2010	0	0	-	-	-	-	0
	2011	-	-	0	0	22	0	22
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	0	0
	2014	0	0	-	-	-	-	0
	801-1000	1996	NA	0	-	-	-	-
1997		-	-	0	0	0	0	0
1998		0	0	-	-	-	-	0
1999		-	-	0	0	0	0	0
2000		0	0	-	-	-	-	0
2001		-	-	0	0	-	-	0
2002		0	0	-	-	-	-	0
2003		-	-	0	-	0	0	0
2004		0	0	-	-	-	-	0
2005		-	-	0	0	0	0	0
2006		0	0	-	-	-	-	0
2007		-	-	-	0	0	-	0
2008		0	0	-	-	-	-	0
2009		-	-	0	-	-	0	0

Table 23. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
801-1000	2010	0	0	-	-	-	-	0
	2011	-	-	-	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	-	0
	2014	0	0	-	-	-	-	0
151-1000	1996	NA	20,121	-	-	-	-	20,121
	1997	-	-	3,008	163	150	76	3,397
	1998	10,451	17,465	-	-	-	-	27,916
	1999	-	-	11,095	726	165	114	12,099
	2000	8,399	28,519	-	-	-	-	36,918
	2001	-	-	12,915	146	280	90	13,431
	2002	7,266	16,874	-	-	-	-	24,140
	2003	-	-	21,890	639	327	0	22,856
	2004	5,359	23,938	-	-	-	-	29,297
	2005	-	-	10,095	339	383	162	10,979
	2006	5,108	34,819	-	-	-	-	39,927
	2007	-	-	6,159	696	626	148	7,629
	2008	2,104	18,630	-	-	-	-	20,734
	2009	-	-	0	654	842	49	1,545
2010	4,402	13,514	-	-	-	-	17,915	
2011	-	-	8,918	431	524	87	9,960	
2012	3,038	15,521	-	-	-	-	18,559	
2013	-	-	12,519	462	218	175	13,375	
2014	4,728	24,901	-	-	-	-	29,629	

Table 24. -- Relative population number (RPN) of shortraker rockfish by depth interval in the Aleutian Islands (AI) and Bering Sea North Pacific Fishery Management Council regulatory areas from National Marine Fisheries Service longline surveys, 1996-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
151-200	1996	NA	4	-	-	-	-	4
	1997	-	-	32	0	0	0	32
	1998	0	0	-	-	-	-	0
	1999	-	-	0	0	0	0	0
	2000	0	34	-	-	-	-	34
	2001	-	-	97	0	0	0	97
	2002	0	73	-	-	-	-	73
	2003	-	-	0	0	0	0	0
	2004	0	89	-	-	-	-	89
	2005	-	-	0	0	0	0	0
	2006	0	142	-	-	-	-	142
	2007	-	-	31	0	0	-	31
	2008	0	19	-	-	-	-	19
	2009	-	-	-	0	0	0	0
201-300	2010	522	0	-	-	-	-	522
	2011	-	-	0	0	107	0	107
	2012	0	117	-	-	-	-	117
	2013	-	-	0	0	0	0	0
	2014	0	70	-	-	-	-	70
	1996	NA	364	-	-	-	-	364
	1997	-	-	128	0	87	0	215
	1998	2,362	823	-	-	-	-	3,185
	1999	-	-	228	0	25	0	253
	2000	273	694	-	-	-	-	967
	2001	-	-	1,480	0	30	0	1,510
2002	870	440	-	-	-	-	1,310	
2003	-	-	1,211	0	226	0	1,437	
2004	528	1,465	-	-	-	-	1,992	
2005	-	-	261	356	95	33	745	
2006	3,790	2,765	-	-	-	-	6,555	
2007	-	-	62	27	240	0	329	
2008	149	2,169	-	-	-	-	2,318	
2009	-	-	-	0	140	0	140	
2010	2,698	887	-	-	-	-	3,585	
2011	-	-	1,495	0	192	0	1,686	

Table 24. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
201-300	2012	1,249	553	-	-	-	-	1,802
	2013	-	-	1,326	0	131	40	1,496
	2014	1,154	1,407	-	-	-	-	2,561
301-400	1996	NA	3,936	-	-	-	-	3,936
	1997	-	-	460	670	723	131	1,984
	1998	2,439	2,166	-	-	-	-	4,605
	1999	-	-	2,212	3,162	368	74	5,816
	2000	1,454	5,268	-	-	-	-	6,721
	2001	-	-	1,337	2,612	356	432	4,736
	2002	3,098	2,474	-	-	-	-	5,572
	2003	-	-	582	5,379	4,059	53	10,072
	2004	2,066	6,196	-	-	-	-	8,262
	2005	-	-	252	1,135	673	813	2,873
	2006	2,747	4,049	-	-	-	-	6,796
	2007	-	-	566	1,880	1,130	49	3,626
	2008	610	2,734	-	-	-	-	3,344
	2009	-	-	-	103	537	152	793
	2010	2,281	5,586	-	-	-	-	7,867
	2011	-	-	667	20	2,233	1,526	4,445
	2012	2,626	4,287	-	-	-	-	6,913
2013	-	-	1,415	104	592	304	2,416	
401-600	2014	2,695	5,189	-	-	-	-	7,884
	1996	NA	2,844	-	-	-	-	2,844
	1997	-	-	508	501	801	468	2,278
	1998	1,508	2,248	-	-	-	-	3,756
	1999	-	-	854	3,587	568	104	5,113
	2000	4,973	4,291	-	-	-	-	9,264
	2001	-	-	265	594	864	196	1,918
	2002	1,653	2,617	-	-	-	-	4,270
	2003	-	-	1,076	4,426	825	320	6,647
	2004	1,842	2,166	-	-	-	-	4,009
	2005	-	-	104	1,643	677	253	2,677
	2006	1,999	4,842	-	-	-	-	6,840
	2007	-	-	254	1,526	630	-	2,410
2008	1,107	3,038	-	-	-	-	4,146	
2009	-	-	-	0	734	971	1,705	
2010	2,626	3,351	-	-	-	-	5,977	

Table 24. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
401-600	2011	-	-	865	234	689	506	2,295
	2012	1,631	3,849	-	-	-	-	5,479
	2013	-	-	507	77	1,106	422	2,112
	2014	1,397	4,977	-	-	-	-	6,374
601-800	1996	NA	231	-	-	-	-	231
	1997	-	-	59	0	0	0	59
	1998	524	410	-	-	-	-	935
	1999	-	-	34	0	53	0	86
	2000	58	405	-	-	-	-	463
	2001	-	-	68	228	60	0	356
	2002	44	299	-	-	-	-	343
	2003	-	-	76	1,034	289	14	1,413
	2004	102	8	-	-	-	-	110
	2005	-	-	20	1,064	110	0	1,194
	2006	498	165	-	-	-	-	664
	2007	-	-	36	442	200	-	679
	2008	106	115	-	-	-	-	221
	2009	-	-	0	0	243	0	243
	2010	70	246	-	-	-	-	316
	2011	-	-	0	96	81	0	177
2012	13	237	-	-	-	-	250	
2013	-	-	0	0	126	7	133	
2014	199	0	-	-	-	-	199	
801-1000	1996	NA	0	-	-	-	-	0
	1997	-	-	0	0	0	0	0
	1998	0	0	-	-	-	-	0
	1999	-	-	0	0	0	0	0
	2000	0	0	-	-	-	-	0
	2001	-	-	0	0	-	-	0
	2002	0	0	-	-	-	-	0
	2003	-	-	0	-	0	0	0
	2004	0	0	-	-	-	-	0
	2005	-	-	0	0	0	0	0
	2006	0	0	-	-	-	-	0
	2007	-	-	-	0	500	-	500
	2008	0	0	-	-	-	-	0
2009	-	-	0	-	-	0	0	

Table 24. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
801-1000	2010	0	71	-	-	-	-	71
	2011	-	-	-	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	-	0
	2014	0	0	-	-	-	-	0
151-1000	1996	NA	7,378	-	-	-	-	7,378
	1997	-	-	1,187	1,171	1,611	599	4,568
	1998	6,833	5,648	-	-	-	-	12,481
	1999	-	-	3,327	6,749	1,014	178	11,268
	2000	6,758	10,691	-	-	-	-	17,449
	2001	-	-	3,246	3,434	1,310	627	8,617
	2002	5,665	5,903	-	-	-	-	11,569
	2003	-	-	2,945	10,838	5,400	386	19,569
	2004	4,538	9,924	-	-	-	-	14,462
	2005	-	-	637	4,198	1,555	1,099	7,489
	2006	9,034	11,963	-	-	-	-	20,997
	2007	-	-	949	3,875	2,702	49	7,575
	2008	1,973	8,075	-	-	-	-	10,047
	2009	-	-	0	103	1,655	1,123	2,882
	2010	8,197	10,141	-	-	-	-	18,338
2011	-	-	3,027	350	3,302	2,031	8,710	
2012	5,519	9,042	-	-	-	-	14,561	
2013	-	-	3,248	182	1,955	772	6,156	
2014	5,444	11,643	-	-	-	-	17,087	

Table 25. -- Relative population number (RPN) of Pacific cod by depth interval in the Aleutian Islands (AI) and Bering Sea North Pacific Fishery Management Council regulatory areas from National Marine Fisheries Service longline surveys, 1996-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
151-200	1996	NA	30,086	-	-	-	-	30,086
	1997	-	-	8,311	42,964	21,704	21,213	94,192
	1998	23,421	13,929	-	-	-	-	37,350
	1999	-	-	2,510	28,167	15,476	26,707	72,861
	2000	25,529	26,129	-	-	-	-	51,657
	2001	-	-	4,985	32,833	15,502	22,855	76,175
	2002	19,565	14,902	-	-	-	-	34,467
	2003	-	-	8,522	41,220	22,187	7,470	79,400
	2004	10,696	12,793	-	-	-	-	23,489
	2005	-	-	6,526	16,801	14,731	14,995	53,053
	2006	17,689	13,113	-	-	-	-	30,802
	2007	-	-	7,828	33,616	16,302	-	57,746
	2008	14,877	11,754	-	-	-	-	26,631
	2009	-	-	-	28,024	19,620	4,587	52,232
201-300	2010	18,582	11,830	-	-	-	-	30,412
	2011	-	-	12,651	19,030	16,324	12,881	60,885
	2012	21,067	8,888	-	-	-	-	29,955
	2013	-	-	11,639	51,018	26,022	8,240	96,918
	2014	24,292	12,134	-	-	-	-	36,427
	1996	NA	18,123	-	-	-	-	18,123
	1997	-	-	5,830	38,638	6,795	10,409	61,672
	1998	25,975	14,643	-	-	-	-	40,618
	1999	-	-	8,111	18,133	3,837	8,873	38,954
	2000	24,735	19,118	-	-	-	-	43,854
	2001	-	-	3,850	29,741	5,996	8,236	47,823
	2002	12,917	7,349	-	-	-	-	20,266
	2003	-	-	2,118	40,387	7,784	7,323	57,611
	2004	9,363	9,333	-	-	-	-	18,696
2005	-	-	4,055	14,679	5,395	4,387	28,516	
2006	17,160	10,534	-	-	-	-	27,694	
2007	-	-	7,542	21,247	3,621	6,160	38,570	
2008	11,228	8,715	-	-	-	-	19,944	
2009	-	-	-	18,067	3,349	4,393	25,808	
2010	9,682	10,102	-	-	-	-	19,784	
2011	-	-	9,760	25,673	5,021	4,417	44,871	

Table 25. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
201-300	2012	15,283	7,934	-	-	-	-	23,218
	2013	-	-	5,966	32,411	3,200	2,764	44,341
	2014	18,063	7,361	-	-	-	-	25,424
301-400	1996	NA	4,753	-	-	-	-	4,753
	1997	-	-	1,590	11,553	1,816	3,444	18,404
	1998	8,200	3,190	-	-	-	-	11,390
	1999	-	-	1,261	8,048	281	1,541	11,131
	2000	8,865	7,053	-	-	-	-	15,918
	2001	-	-	1,376	13,435	1,765	1,873	18,449
	2002	1,671	1,624	-	-	-	-	3,295
	2003	-	-	388	25,119	424	8,150	34,081
	2004	2,191	1,241	-	-	-	-	3,432
	2005	-	-	520	6,100	662	695	7,978
	2006	6,153	4,791	-	-	-	-	10,944
	2007	-	-	1,309	3,719	513	654	6,195
	2008	2,209	2,848	-	-	-	-	5,057
	2009	-	-	-	2,842	300	1,615	4,758
	2010	1,646	3,648	-	-	-	-	5,295
	2011	-	-	3,695	9,155	1,146	504	14,501
	2012	2,722	829	-	-	-	-	3,551
2013	-	-	1,332	10,233	229	1,203	12,997	
2014	4,580	2,375	-	-	-	-	6,956	
401-600	1996	NA	155	-	-	-	-	155
	1997	-	-	31	25	5	36	97
	1998	275	206	-	-	-	-	482
	1999	-	-	37	0	0	0	37
	2000	1,340	75	-	-	-	-	1,415
	2001	-	-	25	40	18	0	83
	2002	83	18	-	-	-	-	101
	2003	-	-	488	1,481	9	0	1,978
	2004	0	32	-	-	-	-	32
	2005	-	-	0	14	0	0	14
	2006	264	195	-	-	-	-	458
2007	-	-	131	0	0	-	131	
2008	138	42	-	-	-	-	181	
2009	-	-	-	0	0	0	0	
2010	0	321	-	-	-	-	321	

Table 25. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
401-600	2011	-	-	190	201	24	0	416
	2012	60	0	-	-	-	-	60
	2013	-	-	24	0	30	0	54
	2014	133	43	-	-	-	-	176
601-800	1996	NA	0	-	-	-	-	0
	1997	-	-	0	0	0	22	22
	1998	0	0	-	-	-	-	0
	1999	-	-	0	0	0	0	0
	2000	0	0	-	-	-	-	0
	2001	-	-	0	0	0	0	0
	2002	0	0	-	-	-	-	0
	2003	-	-	0	0	0	0	0
	2004	0	0	-	-	-	-	0
	2005	-	-	0	0	0	0	0
	2006	0	0	-	-	-	-	0
	2007	-	-	0	11	0	-	11
	2008	0	0	-	-	-	-	0
	2009	-	-	0	0	0	0	0
	2010	0	0	-	-	-	-	0
	2011	-	-	0	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	0	0
	2014	0	0	-	-	-	-	0
	801-1000	1996	NA	0	-	-	-	-
1997		-	-	0	0	0	0	0
1998		0	0	-	-	-	-	0
1999		-	-	0	0	0	0	0
2000		0	0	-	-	-	-	0
2001		-	-	0	0	-	-	0
2002		0	0	-	-	-	-	0
2003		-	-	0	-	0	0	0
2004		0	0	-	-	-	-	0
2005		-	-	0	0	0	0	0
2006		0	0	-	-	-	-	0
2007		-	-	-	0	0	-	0
2008		0	0	-	-	-	-	0
2009		-	-	0	-	-	0	0

Table 25. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
801-1000	2010	0	0	-	-	-	-	0
	2011	-	-	-	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	-	0
	2014	0	0	-	-	-	-	0
151-1000	1996	NA	53,117	-	-	-	-	53,117
	1997	-	-	15,763	93,180	30,321	35,123	174,388
	1998	57,872	31,968	-	-	-	-	89,840
	1999	-	-	11,920	54,348	19,594	37,122	122,984
	2000	60,469	52,375	-	-	-	-	112,844
	2001	-	-	10,236	76,049	23,281	32,964	142,531
	2002	34,236	23,893	-	-	-	-	58,129
	2003	-	-	11,516	108,206	30,404	22,943	173,070
	2004	22,249	23,399	-	-	-	-	45,649
	2005	-	-	11,101	37,594	20,788	20,078	89,561
	2006	41,265	28,633	-	-	-	-	69,898
	2007	-	-	16,810	58,593	20,437	6,814	102,653
	2008	28,452	23,360	-	-	-	-	51,812
	2009	-	-	0	48,934	23,269	10,595	82,798
	2010	29,911	25,901	-	-	-	-	55,812
2011	-	-	26,296	54,060	22,515	17,802	120,673	
2012	39,132	17,652	-	-	-	-	56,783	
2013	-	-	18,961	93,662	29,480	12,207	154,310	
2014	47,068	21,913	-	-	-	-	68,982	

Table 26. -- Relative population number (RPN) of arrowtooth flounder by depth interval in the Aleutian Islands (AI) and Bering Sea North Pacific Fishery Management Council regulatory areas from National Marine Fisheries Service longline surveys, 1996-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
151-200	1996	NA	1,688	-	-	-	-	1,688
	1997	-	-	959	3,439	5,161	1,603	11,162
	1998	1,201	3,757	-	-	-	-	4,958
	1999	-	-	0	2,688	5,128	468	8,284
	2000	1,769	2,208	-	-	-	-	3,977
	2001	-	-	193	3,434	2,100	266	5,994
	2002	1,712	1,284	-	-	-	-	2,996
	2003	-	-	553	7,861	2,248	822	11,485
	2004	1,647	1,046	-	-	-	-	2,692
	2005	-	-	561	5,481	2,441	571	9,054
	2006	2,407	2,829	-	-	-	-	5,236
	2007	-	-	900	3,871	2,207	-	6,979
	2008	1,991	2,574	-	-	-	-	4,565
	2009	-	-	-	4,551	1,855	1,666	8,072
2010	984	3,013	-	-	-	-	3,996	
2011	-	-	378	14,389	1,147	589	16,503	
2012	514	449	-	-	-	-	962	
2013	-	-	334	5,581	655	1,933	8,503	
2014	1,504	806	-	-	-	-	2,310	
201-300	1996	NA	2,665	-	-	-	-	2,665
	1997	-	-	3,894	5,374	2,365	2,612	14,245
	1998	2,444	2,470	-	-	-	-	4,914
	1999	-	-	385	4,765	1,089	963	7,203
	2000	2,752	2,476	-	-	-	-	5,227
	2001	-	-	0	3,480	361	166	4,006
	2002	2,042	1,307	-	-	-	-	3,349
	2003	-	-	0	6,354	1,170	643	8,167
	2004	4,458	2,619	-	-	-	-	7,077
	2005	-	-	2,092	7,846	853	706	11,496
	2006	5,052	1,721	-	-	-	-	6,773
2007	-	-	977	5,720	1,126	1,260	9,082	
2008	1,878	1,654	-	-	-	-	3,532	
2009	-	-	-	6,741	494	1,125	8,360	
2010	1,986	1,833	-	-	-	-	3,819	
2011	-	-	906	4,266	508	1,430	7,110	

Table 26. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
201-300	2012	1,609	563	-	-	-	-	2,172
	2013	-	-	967	5,465	448	1,615	8,494
	2014	2,158	734	-	-	-	-	2,892
301-400	1996	NA	1,211	-	-	-	-	1,211
	1997	-	-	6,999	19,283	2,981	8,966	38,229
	1998	3,597	731	-	-	-	-	4,327
	1999	-	-	2,820	12,474	1,214	5,519	22,027
	2000	2,892	1,034	-	-	-	-	3,926
	2001	-	-	939	5,153	1,524	607	8,222
	2002	932	404	-	-	-	-	1,335
	2003	-	-	744	5,765	645	581	7,735
	2004	2,678	1,086	-	-	-	-	3,764
	2005	-	-	2,560	10,368	1,098	1,789	15,816
	2006	4,721	1,825	-	-	-	-	6,546
	2007	-	-	3,817	12,969	1,250	3,071	21,107
	2008	1,097	1,249	-	-	-	-	2,346
	2009	-	-	-	22,981	323	2,022	25,325
	2010	2,332	1,716	-	-	-	-	4,048
	2011	-	-	2,719	10,485	651	1,509	15,364
	2012	1,084	1,074	-	-	-	-	2,158
2013	-	-	1,424	13,242	1,176	3,103	18,945	
2014	2,251	529	-	-	-	-	2,780	
401-600	1996	NA	1,243	-	-	-	-	1,243
	1997	-	-	6,680	26,194	2,522	3,032	38,429
	1998	9,522	1,100	-	-	-	-	10,622
	1999	-	-	9,511	29,344	1,353	4,177	44,385
	2000	7,285	1,916	-	-	-	-	9,201
	2001	-	-	6,115	13,061	2,946	2,383	24,505
	2002	4,612	522	-	-	-	-	5,134
	2003	-	-	6,729	17,124	1,806	5,016	30,676
	2004	3,024	678	-	-	-	-	3,701
	2005	-	-	2,987	13,963	1,982	2,335	21,268
	2006	4,555	2,367	-	-	-	-	6,922
2007	-	-	6,069	19,644	4,087	-	29,800	
2008	3,152	2,426	-	-	-	-	5,578	
2009	-	-	-	33,204	2,656	4,242	40,102	
2010	1,700	2,516	-	-	-	-	4,215	

Table 26. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
401-600	2011	-	-	7,205	24,014	2,727	2,268	36,214
	2012	2,683	1,201	-	-	-	-	3,884
	2013	-	-	3,430	28,621	2,654	2,645	37,351
	2014	3,567	1,797	-	-	-	-	5,364
601-800	1996	NA	260	-	-	-	-	260
	1997	-	-	1,227	10,028	1,034	515	12,804
	1998	2,590	195	-	-	-	-	2,786
	1999	-	-	1,835	8,289	744	268	11,136
	2000	1,461	289	-	-	-	-	1,750
	2001	-	-	2,556	4,277	551	786	8,171
	2002	11,754	82	-	-	-	-	11,836
	2003	-	-	1,890	5,908	372	1,733	9,902
	2004	2,728	130	-	-	-	-	2,858
	2005	-	-	1,712	4,684	914	376	7,686
	2006	1,676	948	-	-	-	-	2,624
	2007	-	-	1,298	8,245	1,526	-	11,069
	2008	1,470	151	-	-	-	-	1,621
	2009	-	-	3,019	22,561	1,626	980	28,186
	2010	790	49	-	-	-	-	840
	2011	-	-	1,551	18,598	1,401	673	22,223
	2012	1,873	1,025	-	-	-	-	2,898
	2013	-	-	1,435	13,971	855	390	16,651
	2014	2,946	194	-	-	-	-	3,140
	801-1000	1996	NA	0	-	-	-	-
1997		-	-	923	1,687	32	0	2,642
1998		0	0	-	-	-	-	0
1999		-	-	122	518	35	44	718
2000		0	126	-	-	-	-	126
2001		-	-	1,662	1,119	-	-	2,780
2002		1,088	68	-	-	-	-	1,156
2003		-	-	954	-	43	66	1,063
2004		0	0	-	-	-	-	0
2005		-	-	1,635	1,247	0	0	2,881
2006		0	0	-	-	-	-	0
2007		-	-	-	1,600	0	-	1,600
2008	0	0	-	-	-	-	0	
2009	-	-	1,179	-	-	0	1,179	

Table 26. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
801-1000	2010	760	0	-	-	-	-	760
	2011	-	-	-	4,317	0	0	4,317
	2012	739	0	-	-	-	-	739
	2013	-	-	377	1,839	102	-	2,318
	2014	827	0	-	-	-	-	827
151-1000	1996	NA	7,067	-	-	-	-	7,067
	1997	-	-	20,683	66,004	14,095	16,729	117,511
	1998	19,354	8,253	-	-	-	-	27,608
	1999	-	-	14,672	58,078	9,563	11,439	93,753
	2000	16,159	8,048	-	-	-	-	24,207
	2001	-	-	11,464	30,524	7,482	4,208	53,678
	2002	22,140	3,666	-	-	-	-	25,806
	2003	-	-	10,871	43,012	6,285	8,860	69,028
	2004	14,534	5,559	-	-	-	-	20,093
	2005	-	-	11,546	43,590	7,289	5,777	68,202
	2006	18,411	9,690	-	-	-	-	28,102
	2007	-	-	13,061	52,050	10,197	4,331	79,638
	2008	9,587	8,055	-	-	-	-	17,642
	2009	-	-	4,198	90,038	6,954	10,034	111,224
	2010	8,551	9,127	-	-	-	-	17,678
2011	-	-	12,760	76,069	6,433	6,469	101,731	
2012	8,501	4,312	-	-	-	-	12,813	
2013	-	-	7,966	68,719	5,891	9,687	92,262	
2014	13,251	4,060	-	-	-	-	17,312	

Table 27. -- Relative population number (RPN) of Pacific halibut by depth interval in the Aleutian Islands (AI) and Bering Sea North Pacific Fishery Management Council regulatory areas from National Marine Fisheries Service longline surveys, 1996-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
151-200	1996	NA	6,335	-	-	-	-	6,335
	1997	-	-	1,165	2,359	2,907	2,291	8,722
	1998	3,765	4,648	-	-	-	-	8,413
	1999	-	-	7,279	1,943	5,122	1,831	16,175
	2000	5,192	5,627	-	-	-	-	10,819
	2001	-	-	912	1,133	2,357	736	5,138
	2002	4,837	3,121	-	-	-	-	7,958
	2003	-	-	1,103	1,174	1,751	983	5,011
	2004	3,956	1,914	-	-	-	-	5,870
	2005	-	-	1,584	575	1,351	232	3,742
	2006	5,864	3,085	-	-	-	-	8,949
	2007	-	-	963	1,113	1,636	-	3,711
	2008	1,785	2,991	-	-	-	-	4,776
	2009	-	-	-	1,413	3,920	1,404	6,737
2010	5,055	2,717	-	-	-	-	7,773	
2011	-	-	1,118	1,737	926	477	4,258	
2012	2,605	2,281	-	-	-	-	4,886	
2013	-	-	1,883	5,191	991	1,335	9,400	
2014	7,897	6,395	-	-	-	-	14,292	
201-300	1996	NA	6,184	-	-	-	-	6,184
	1997	-	-	6,363	2,611	2,053	2,758	13,784
	1998	4,180	5,111	-	-	-	-	9,291
	1999	-	-	9,656	1,344	3,561	2,770	17,331
	2000	5,270	5,617	-	-	-	-	10,887
	2001	-	-	0	731	594	1,018	2,343
	2002	3,963	3,499	-	-	-	-	7,463
	2003	-	-	1,155	504	600	567	2,826
	2004	1,845	1,644	-	-	-	-	3,488
	2005	-	-	901	368	358	816	2,443
	2006	7,688	2,962	-	-	-	-	10,650
2007	-	-	896	1,443	542	293	3,173	
2008	1,726	1,934	-	-	-	-	3,660	
2009	-	-	-	1,548	587	484	2,619	
2010	7,592	2,549	-	-	-	-	10,141	
2011	-	-	2,694	1,627	501	724	5,547	

Table 27. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
201-300	2012	16,616	2,920	-	-	-	-	19,536
	2013	-	-	2,970	3,893	1,037	1,487	9,387
	2014	6,038	3,430	-	-	-	-	9,468
301-400	1996	NA	2,907	-	-	-	-	2,907
	1997	-	-	6,489	2,354	1,500	1,804	12,147
	1998	5,736	2,097	-	-	-	-	7,833
	1999	-	-	1,738	6,993	6,750	6,787	22,269
	2000	2,924	3,169	-	-	-	-	6,093
	2001	-	-	1,969	995	1,855	6,074	10,894
	2002	2,169	1,655	-	-	-	-	3,823
	2003	-	-	388	1,811	423	1,577	4,200
	2004	912	1,219	-	-	-	-	2,131
	2005	-	-	1,033	570	462	3,665	5,730
	2006	3,973	1,450	-	-	-	-	5,423
	2007	-	-	804	7,464	2,215	2,810	13,292
	2008	2,135	1,108	-	-	-	-	3,243
	2009	-	-	-	7,098	932	2,025	10,055
	2010	2,813	1,258	-	-	-	-	4,071
	2011	-	-	4,471	5,335	1,529	1,443	12,778
	2012	7,571	2,633	-	-	-	-	10,203
2013	-	-	2,358	8,529	1,966	5,355	18,209	
2014	2,743	2,421	-	-	-	-	5,164	
401-600	1996	NA	708	-	-	-	-	708
	1997	-	-	3,120	3,667	390	480	7,657
	1998	2,345	752	-	-	-	-	3,097
	1999	-	-	2,153	9,831	1,294	2,275	15,552
	2000	981	761	-	-	-	-	1,742
	2001	-	-	3,445	2,956	2,096	2,157	10,655
	2002	2,987	313	-	-	-	-	3,299
	2003	-	-	4,004	3,601	1,559	1,357	10,521
	2004	344	344	-	-	-	-	689
	2005	-	-	1,242	882	582	2,729	5,436
	2006	904	893	-	-	-	-	1,797
2007	-	-	1,821	4,187	2,115	-	8,122	
2008	945	564	-	-	-	-	1,510	
2009	-	-	-	4,132	1,548	2,506	8,185	
2010	2,720	564	-	-	-	-	3,285	

Table 27. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
401-600	2011	-	-	5,455	2,909	2,215	604	11,183
	2012	1,045	1,329	-	-	-	-	2,374
	2013	-	-	2,998	4,958	1,757	1,553	11,266
	2014	968	353	-	-	-	-	1,321
601-800	1996	NA	16	-	-	-	-	16
	1997	-	-	228	66	7	33	334
	1998	99	31	-	-	-	-	130
	1999	-	-	82	255	63	0	400
	2000	164	0	-	-	-	-	164
	2001	-	-	328	219	100	62	709
	2002	1,002	0	-	-	-	-	1,002
	2003	-	-	370	1,753	81	95	2,299
	2004	0	0	-	-	-	-	0
	2005	-	-	260	259	77	100	697
	2006	41	0	-	-	-	-	41
	2007	-	-	313	2,173	355	-	2,840
	2008	48	0	-	-	-	-	48
	2009	-	-	137	1,360	319	66	1,883
	2010	22	0	-	-	-	-	22
	2011	-	-	366	913	786	40	2,106
2012	224	0	-	-	-	-	224	
2013	-	-	252	1,834	31	0	2,117	
2014	25	0	-	-	-	-	25	
801-1000	1996	NA	0	-	-	-	-	0
	1997	-	-	0	0	0	0	0
	1998	0	0	-	-	-	-	0
	1999	-	-	0	0	0	0	0
	2000	0	0	-	-	-	-	0
	2001	-	-	43	0	-	-	43
	2002	0	0	-	-	-	-	0
	2003	-	-	0	-	0	0	0
	2004	0	0	-	-	-	-	0
	2005	-	-	29	0	0	0	29
2006	0	0	-	-	-	-	0	
2007	-	-	-	94	0	-	94	
2008	0	0	-	-	-	-	0	
2009	-	-	36	-	-	0	36	

Table 27. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
801-1000	2010	0	0	-	-	-	-	0
	2011	-	-	-	116	0	0	116
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	-	0
	2014	0	0	-	-	-	-	0
151-1000	1996	NA	16,150	-	-	-	-	16,150
	1997	-	-	17,364	11,057	6,857	7,366	42,643
	1998	16,124	12,639	-	-	-	-	28,763
	1999	-	-	20,908	20,366	16,789	13,663	71,727
	2000	14,531	15,174	-	-	-	-	29,705
	2001	-	-	6,697	6,035	7,002	10,048	29,783
	2002	14,957	8,587	-	-	-	-	23,545
	2003	-	-	7,021	8,843	4,413	4,580	24,857
	2004	7,057	5,120	-	-	-	-	12,177
	2005	-	-	5,049	2,654	2,831	7,542	18,076
	2006	18,470	8,389	-	-	-	-	26,859
	2007	-	-	4,795	16,473	6,862	3,103	31,233
	2008	6,640	6,597	-	-	-	-	13,238
	2009	-	-	173	15,551	7,306	6,485	29,515
	2010	18,203	7,088	-	-	-	-	25,291
2011	-	-	14,106	12,637	5,958	3,288	35,988	
2012	28,060	9,163	-	-	-	-	37,223	
2013	-	-	10,462	24,406	5,783	9,730	50,380	
2014	17,671	12,598	-	-	-	-	30,269	

Table 28. -- Relative population number (RPN) of giant grenadier by depth interval in the Aleutian Islands (AI) and Bering Sea North Pacific Fishery Management Council regulatory areas from National Marine Fisheries Service longline surveys, 1996-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
151-200	1996	0	0	-	-	-	-	0
	1997	-	-	0	0	0	0	0
	1998	0	0	-	-	-	-	0
	1999	-	-	0	0	0	0	0
	2000	0	0	-	-	-	-	0
	2001	-	-	0	0	0	0	0
	2002	0	0	-	-	-	-	0
	2003	-	-	0	0	0	0	0
	2004	95	12	-	-	-	-	107
	2005	-	-	0	0	0	0	0
	2006	0	0	-	-	-	-	0
	2007	-	-	0	72	0	-	72
	2008	0	0	-	-	-	-	0
	2009	-	-	-	0	114	0	114
201-300	2010	253	0	-	-	-	-	253
	2011	-	-	0	0	191	0	191
	2012	0	343	-	-	-	-	343
	2013	-	-	0	0	96	0	96
	2014	40	0	-	-	-	-	40
	1996	0	0	-	-	-	-	0
	1997	-	-	33	129	0	14	177
	1998	169	432	-	-	-	-	601
	1999	-	-	0	0	621	291	912
	2000	0	25	-	-	-	-	25
	2001	-	-	0	163	121	429	713
	2002	1,099	30	-	-	-	-	1,129
	2003	-	-	0	0	402	0	402
	2004	981	100	-	-	-	-	1,081
	2005	-	-	0	102	259	1,742	2,103
	2006	119	0	-	-	-	-	119
	2007	-	-	0	0	2,134	30	2,164
2008	193	1,258	-	-	-	-	1,450	
2009	-	-	-	0	1,358	65	1,423	
2010	9,640	267	-	-	-	-	9,908	
2011	-	-	0	0	2,518	221	2,739	

Table 28. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
201-300	2012	1,839	2,449	-	-	-	-	4,288
	2013	-	-	0	0	1,053	124	1,177
	2014	2,518	517	-	-	-	-	3,034
301-400	1996	0	1,361	-	-	-	-	1,361
	1997	-	-	55	105	1,083	867	2,110
	1998	2,528	4,384	-	-	-	-	6,912
	1999	-	-	0	0	2,493	2,623	5,117
	2000	6,135	1,252	-	-	-	-	7,387
	2001	-	-	0	2,485	870	2,097	5,451
	2002	7,986	3,958	-	-	-	-	11,944
	2003	-	-	0	3,945	4,216	0	8,161
	2004	15,861	2,863	-	-	-	-	18,724
	2005	-	-	122	2,672	2,181	3,315	8,289
	2006	14,935	1,333	-	-	-	-	16,268
	2007	-	-	0	3,515	4,888	874	9,276
	2008	8,200	3,744	-	-	-	-	11,944
	2009	-	-	-	403	6,776	3,749	10,928
	2010	28,014	10,513	-	-	-	-	38,527
	2011	-	-	353	319	2,023	1,143	3,837
	2012	25,744	5,241	-	-	-	-	30,985
2013	-	-	15	0	3,205	2,014	5,234	
401-600	2014	23,919	3,349	-	-	-	-	27,268
	1996	0	35,094	-	-	-	-	35,094
	1997	-	-	839	1,521	7,229	9,542	19,132
	1998	27,781	37,617	-	-	-	-	65,398
	1999	-	-	75	1,958	9,785	9,201	21,018
	2000	48,279	41,296	-	-	-	-	89,575
	2001	-	-	1,477	3,581	5,205	4,655	14,917
	2002	55,056	40,497	-	-	-	-	95,553
	2003	-	-	497	11,381	7,558	5,286	24,723
	2004	51,583	35,281	-	-	-	-	86,864
	2005	-	-	418	9,066	8,427	9,264	27,175
	2006	61,120	30,613	-	-	-	-	91,733
	2007	-	-	1,056	6,443	9,712	-	17,211
2008	38,204	20,597	-	-	-	-	58,800	
2009	-	-	-	5,048	11,758	9,303	26,110	
2010	74,843	27,886	-	-	-	-	102,729	

Table 28. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
401-600	2011	-	-	1,328	6,842	8,722	7,052	23,945
	2012	46,142	18,283	-	-	-	-	64,425
	2013	-	-	1,727	4,634	10,207	17,583	34,151
	2014	70,255	33,969	-	-	-	-	104,224
601-800	1996	0	35,024	-	-	-	-	35,024
	1997	-	-	1,128	20,120	20,324	18,029	59,602
	1998	29,493	39,430	-	-	-	-	68,923
	1999	-	-	286	12,101	17,432	16,299	46,119
	2000	42,121	55,090	-	-	-	-	97,210
	2001	-	-	749	22,830	14,433	6,329	44,340
	2002	44,558	47,717	-	-	-	-	92,275
	2003	-	-	1,653	19,524	18,332	9,977	49,487
	2004	47,236	50,419	-	-	-	-	97,656
	2005	-	-	1,099	16,579	17,111	19,740	54,530
	2006	50,694	52,798	-	-	-	-	103,492
	2007	-	-	1,991	15,521	21,652	-	39,164
	2008	39,585	43,625	-	-	-	-	83,210
	2009	-	-	412	14,860	20,485	18,624	54,382
	2010	67,250	50,144	-	-	-	-	117,394
	2011	-	-	6,545	13,420	19,792	25,135	64,892
2012	43,538	25,662	-	-	-	-	69,201	
2013	-	-	2,188	6,465	22,412	22,971	54,036	
2014	64,431	46,879	-	-	-	-	111,310	
801-1000	1996	0	37,211	-	-	-	-	37,211
	1997	-	-	2,266	37,964	20,725	27,869	88,823
	1998	10,448	38,323	-	-	-	-	48,770
	1999	-	-	178	28,962	11,885	19,683	60,709
	2000	15,808	36,432	-	-	-	-	52,241
	2001	-	-	1,698	9,839	-	-	11,537
	2002	24,403	40,583	-	-	-	-	64,986
	2003	-	-	905	-	17,991	13,386	32,282
	2004	44,333	28,222	-	-	-	-	72,555
	2005	-	-	1,980	28,303	24,075	21,841	76,199
	2006	90,824	33,273	-	-	-	-	124,097
2007	-	-	-	16,125	17,291	-	33,416	
2008	27,324	37,688	-	-	-	-	65,013	
2009	-	-	1,782	-	-	21,026	22,808	

Table 28. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
801-1000	2010	42,085	42,124	-	-	-	-	84,208
	2011	-	-	-	11,210	20,700	26,034	57,944
	2012	29,898	1,663	-	-	-	-	31,561
	2013	-	-	1,507	19,491	16,669	-	37,667
	2014	57,095	31,809	-	-	-	-	88,904
151-1000	1996	0	108,690	-	-	-	-	108,690
	1997	-	-	4,321	59,839	49,361	56,322	169,844
	1998	70,418	120,186	-	-	-	-	190,604
	1999	-	-	539	43,021	42,217	48,098	133,875
	2000	112,343	134,095	-	-	-	-	246,438
	2001	-	-	3,923	38,897	20,628	13,510	76,958
	2002	133,103	132,785	-	-	-	-	265,887
	2003	-	-	3,056	34,850	48,500	28,649	115,055
	2004	160,089	116,897	-	-	-	-	276,986
	2005	-	-	3,619	56,721	52,053	55,903	168,296
	2006	217,692	118,017	-	-	-	-	335,709
	2007	-	-	3,047	41,676	55,677	904	101,303
	2008	113,506	106,912	-	-	-	-	220,418
	2009	-	-	2,194	20,312	40,492	52,768	115,765
	2010	222,085	130,933	-	-	-	-	353,018
	2011	-	-	8,226	31,791	53,946	59,585	153,548
2012	147,161	53,641	-	-	-	-	200,802	
2013	-	-	5,437	30,591	53,642	42,692	132,361	
2014	218,258	116,523	-	-	-	-	334,780	

Table 29. -- Relative population number (RPN) of Greenland turbot by depth interval in the Aleutian Islands (AI) and Bering Sea North Pacific Fishery Management Council regulatory areas from National Marine Fisheries Service longline surveys, 1996-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
151-200	1996	NA	75	-	-	-	-	75
	1997	-	-	206	64	74	82	426
	1998	0	79	-	-	-	-	79
	1999	-	-	0	82	71	371	523
	2000	0	0	-	-	-	-	0
	2001	-	-	0	84	20	229	333
	2002	0	11	-	-	-	-	11
	2003	-	-	0	0	0	297	297
	2004	0	12	-	-	-	-	12
	2005	-	-	0	0	68	114	182
	2006	0	0	-	-	-	-	0
	2007	-	-	0	0	414	-	414
	2008	0	0	-	-	-	-	0
	2009	-	-	-	0	0	115	115
2010	33	0	-	-	-	-	33	
2011	-	-	0	0	27	113	141	
2012	0	0	-	-	-	-	0	
2013	-	-	0	17	0	12	29	
2014	0	0	-	-	-	-	0	
201-300	1996	NA	113	-	-	-	-	113
	1997	-	-	193	632	16	901	1,743
	1998	821	57	-	-	-	-	878
	1999	-	-	0	1,809	165	1,163	3,137
	2000	677	0	-	-	-	-	677
	2001	-	-	0	1,392	0	304	1,696
	2002	402	154	-	-	-	-	556
	2003	-	-	0	995	46	364	1,405
	2004	166	129	-	-	-	-	295
	2005	-	-	0	386	104	217	708
	2006	59	0	-	-	-	-	59
	2007	-	-	0	25	69	744	838
	2008	78	66	-	-	-	-	144
	2009	-	-	-	1,914	17	368	2,299
2010	0	0	-	-	-	-	0	
2011	-	-	0	18	30	115	164	

Table 29. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
201-300	2012	0	31	-	-	-	-	31
	2013	-	-	0	157	91	145	393
	2014	0	0	-	-	-	-	0
301-400	1996	NA	250	-	-	-	-	250
	1997	-	-	55	3,280	530	2,134	5,999
	1998	2,032	334	-	-	-	-	2,365
	1999	-	-	0	4,206	99	2,193	6,498
	2000	2,105	65	-	-	-	-	2,170
	2001	-	-	313	5,594	788	806	7,500
	2002	1,211	509	-	-	-	-	1,720
	2003	-	-	124	4,026	285	3,247	7,682
	2004	1,842	190	-	-	-	-	2,033
	2005	-	-	21	2,045	172	644	2,882
	2006	282	32	-	-	-	-	313
	2007	-	-	0	1,356	16	817	2,190
	2008	412	90	-	-	-	-	501
	2009	-	-	-	1,709	0	422	2,130
	2010	38	32	-	-	-	-	69
	2011	-	-	97	539	20	26	682
	2012	0	0	-	-	-	-	0
2013	-	-	26	893	34	104	1,057	
2014	42	0	-	-	-	-	42	
401-600	1996	NA	995	-	-	-	-	995
	1997	-	-	3,862	8,792	2,043	5,413	20,111
	1998	11,368	837	-	-	-	-	12,205
	1999	-	-	1,832	7,635	2,358	3,157	14,983
	2000	4,756	619	-	-	-	-	5,374
	2001	-	-	1,003	9,871	1,927	5,824	18,625
	2002	3,848	442	-	-	-	-	4,291
	2003	-	-	647	8,914	911	2,168	12,641
	2004	2,871	376	-	-	-	-	3,246
	2005	-	-	596	5,560	615	1,370	8,141
	2006	1,717	494	-	-	-	-	2,211
2007	-	-	363	2,499	353	-	3,216	
2008	1,951	141	-	-	-	-	2,092	
2009	-	-	-	5,398	174	197	5,769	
2010	492	132	-	-	-	-	624	

Table 29. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
401-600	2011	-	-	452	2,967	175	836	4,431
	2012	684	70	-	-	-	-	754
	2013	-	-	197	1,591	621	506	2,915
	2014	725	155	-	-	-	-	880
601-800	1996	NA	661	-	-	-	-	661
	1997	-	-	5,886	13,682	2,913	3,005	25,487
	1998	6,463	507	-	-	-	-	6,970
	1999	-	-	5,363	18,320	2,795	4,042	30,520
	2000	4,057	329	-	-	-	-	4,386
	2001	-	-	2,889	6,802	2,290	9,148	21,129
	2002	2,384	208	-	-	-	-	2,592
	2003	-	-	3,663	10,726	1,804	5,189	21,383
	2004	2,621	241	-	-	-	-	2,863
	2005	-	-	973	6,033	935	1,448	9,389
	2006	973	40	-	-	-	-	1,013
	2007	-	-	872	7,003	1,115	-	8,991
	2008	715	0	-	-	-	-	715
	2009	-	-	1,436	12,170	449	1,762	15,817
	2010	466	0	-	-	-	-	466
	2011	-	-	1,272	8,186	479	382	10,319
2012	1,275	249	-	-	-	-	1,524	
2013	-	-	1,617	6,648	2,014	886	11,165	
2014	1,720	26	-	-	-	-	1,747	
801-1000	1996	NA	122	-	-	-	-	122
	1997	-	-	3,495	1,550	669	275	5,989
	1998	2,438	56	-	-	-	-	2,494
	1999	-	-	2,873	1,878	738	2,517	8,006
	2000	1,393	188	-	-	-	-	1,581
	2001	-	-	918	1,107	-	-	2,025
	2002	3,096	83	-	-	-	-	3,179
	2003	-	-	1,771	-	737	997	3,505
	2004	1,050	0	-	-	-	-	1,050
	2005	-	-	706	1,243	0	38	1,987
2006	0	0	-	-	-	-	0	
2007	-	-	-	2,639	200	-	2,839	
2008	0	0	-	-	-	-	0	
2009	-	-	1,176	-	-	658	1,834	

Table 29. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
801-1000	2010	1,037	0	-	-	-	-	1,037
	2011	-	-	-	453	0	134	588
	2012	2,755	0	-	-	-	-	2,755
	2013	-	-	1,130	4,184	321	-	5,635
	2014	1,752	0	-	-	-	-	1,752
151-1000	1996	NA	2,216	-	-	-	-	2,216
	1997	-	-	13,697	28,000	6,246	11,811	59,753
	1998	23,121	1,870	-	-	-	-	24,991
	1999	-	-	10,068	33,929	6,227	13,443	63,667
	2000	12,987	1,201	-	-	-	-	14,188
	2001	-	-	5,123	24,850	5,025	16,311	51,308
	2002	10,942	1,408	-	-	-	-	12,350
	2003	-	-	6,206	24,660	3,784	12,261	46,912
	2004	8,551	948	-	-	-	-	9,499
	2005	-	-	2,297	15,268	1,894	3,831	23,289
	2006	3,031	566	-	-	-	-	3,597
	2007	-	-	1,235	13,523	2,167	1,561	18,487
	2008	3,155	297	-	-	-	-	3,452
	2009	-	-	2,612	21,192	640	3,522	27,965
	2010	2,066	163	-	-	-	-	2,230
2011	-	-	1,821	12,164	732	1,607	16,325	
2012	4,714	350	-	-	-	-	5,064	
2013	-	-	2,970	13,490	3,082	1,653	21,195	
2014	4,240	181	-	-	-	-	4,421	

Table 30. -- Relative population number (RPN) of spiny dogfish by depth interval in the Aleutian Islands (AI) and Bering Sea North Pacific Fishery Management Council regulatory areas from National Marine Fisheries Service longline surveys, 1996-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
151-200	1996	NA	26	-	-	-	-	26
	1997	-	-	0	0	0	0	0
	1998	0	31	-	-	-	-	31
	1999	-	-	0	0	0	0	0
	2000	67	0	-	-	-	-	67
	2001	-	-	0	22	0	0	22
	2002	0	0	-	-	-	-	0
	2003	-	-	0	0	0	0	0
	2004	0	0	-	-	-	-	0
	2005	-	-	50	23	0	0	73
	2006	0	16	-	-	-	-	16
	2007	-	-	0	0	0	-	0
	2008	0	62	-	-	-	-	62
	2009	-	-	-	38	0	0	38
201-300	2010	0	0	-	-	-	-	0
	2011	-	-	0	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	0	0
	2014	0	0	-	-	-	-	0
	1996	NA	5	-	-	-	-	5
	1997	-	-	0	0	0	0	0
	1998	0	0	-	-	-	-	0
	1999	-	-	0	0	0	0	0
	2000	0	7	-	-	-	-	7
	2001	-	-	0	0	0	0	0
	2002	0	0	-	-	-	-	0
	2003	-	-	0	0	0	0	0
	2004	0	7	-	-	-	-	7
	2005	-	-	0	0	0	0	0
	2006	0	8	-	-	-	-	8
	2007	-	-	0	0	0	0	0
2008	0	20	-	-	-	-	20	
2009	-	-	-	0	0	0	0	
2010	0	0	-	-	-	-	0	
2011	-	-	0	0	0	0	0	

Table 30. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
201-300	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	0	0
	2014	0	7	-	-	-	-	7
301-400	1996	NA	0	-	-	-	-	0
	1997	-	-	0	0	0	0	0
	1998	0	0	-	-	-	-	0
	1999	-	-	0	0	0	0	0
	2000	0	0	-	-	-	-	0
	2001	-	-	0	0	0	0	0
	2002	0	11	-	-	-	-	11
	2003	-	-	0	0	0	0	0
	2004	0	0	-	-	-	-	0
	2005	-	-	0	0	0	0	0
	2006	0	0	-	-	-	-	0
	2007	-	-	0	0	0	0	0
	2008	0	0	-	-	-	-	0
	2009	-	-	-	0	0	0	0
	2010	0	0	-	-	-	-	0
	2011	-	-	0	0	0	0	0
	2012	0	0	-	-	-	-	0
2013	-	-	0	0	0	0	0	
401-600	2014	0	0	-	-	-	-	0
	1996	NA	0	-	-	-	-	0
	1997	-	-	0	0	0	0	0
	1998	0	0	-	-	-	-	0
	1999	-	-	0	0	0	0	0
	2000	0	0	-	-	-	-	0
	2001	-	-	0	0	0	0	0
	2002	0	0	-	-	-	-	0
	2003	-	-	0	0	0	0	0
	2004	0	0	-	-	-	-	0
	2005	-	-	0	0	0	0	0
	2006	0	0	-	-	-	-	0
	2007	-	-	0	0	0	-	0
2008	0	0	-	-	-	-	0	
2009	-	-	-	0	0	0	0	
2010	0	0	-	-	-	-	0	

Table 30. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
401-600	2011	-	-	0	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	0	0
	2014	0	0	-	-	-	-	0
601-800	1996	NA	0	-	-	-	-	0
	1997	-	-	0	0	0	0	0
	1998	0	0	-	-	-	-	0
	1999	-	-	0	0	0	0	0
	2000	0	0	-	-	-	-	0
	2001	-	-	0	0	0	0	0
	2002	0	0	-	-	-	-	0
	2003	-	-	0	0	0	0	0
	2004	0	0	-	-	-	-	0
	2005	-	-	0	0	0	0	0
	2006	0	0	-	-	-	-	0
	2007	-	-	0	0	0	-	0
	2008	0	0	-	-	-	-	0
	2009	-	-	0	0	0	0	0
	2010	0	0	-	-	-	-	0
	2011	-	-	0	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	0	0
	2014	0	0	-	-	-	-	0
	801-1000	1996	NA	0	-	-	-	-
1997		-	-	0	0	0	0	0
1998		0	0	-	-	-	-	0
1999		-	-	0	0	0	0	0
2000		0	0	-	-	-	-	0
2001		-	-	0	0	-	-	0
2002		0	0	-	-	-	-	0
2003		-	-	0	-	0	0	0
2004		0	0	-	-	-	-	0
2005		-	-	0	0	0	0	0
2006		0	0	-	-	-	-	0
2007		-	-	-	0	0	-	0
2008		0	0	-	-	-	-	0
2009		-	-	0	-	-	0	0

Table 30. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
801-1000	2010	0	0	-	-	-	-	0
	2011	-	-	-	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	-	0
	2014	0	0	-	-	-	-	0
151-1000	1996	NA	31	-	-	-	-	31
	1997	-	-	0	0	0	0	0
	1998	0	31	-	-	-	-	31
	1999	-	-	0	0	0	0	0
	2000	67	7	-	-	-	-	73
	2001	-	-	0	22	0	0	22
	2002	0	11	-	-	-	-	11
	2003	-	-	0	0	0	0	0
	2004	0	7	-	-	-	-	7
	2005	-	-	50	23	0	0	73
	2006	0	24	-	-	-	-	24
	2007	-	-	0	0	0	0	0
	2008	0	82	-	-	-	-	82
	2009	-	-	0	38	0	0	38
	2010	0	0	-	-	-	-	0
	2011	-	-	0	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	0	0
	2014	0	7	-	-	-	-	7

Table 31. -- Relative population number (RPN) of Pacific sleeper shark by depth interval in the Aleutian Islands (AI) and Bering Sea North Pacific Fishery Management Council regulatory areas from National Marine Fisheries Service longline surveys, 1996-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
151-200	1996	NA	0	-	-	-	-	0
	1997	-	-	0	0	0	49	49
	1998	0	0	-	-	-	-	0
	1999	-	-	0	83	0	22	106
	2000	0	0	-	-	-	-	0
	2001	-	-	0	0	0	0	0
	2002	0	0	-	-	-	-	0
	2003	-	-	0	0	0	0	0
	2004	0	0	-	-	-	-	0
	2005	-	-	0	0	0	0	0
	2006	0	0	-	-	-	-	0
	2007	-	-	91	49	0	-	140
	2008	0	0	-	-	-	-	0
	2009	-	-	-	42	0	0	42
2010	0	0	-	-	-	-	0	
2011	-	-	0	0	0	0	0	
2012	0	0	-	-	-	-	0	
2013	-	-	0	16	0	0	16	
2014	0	0	-	-	-	-	0	
201-300	1996	NA	0	-	-	-	-	0
	1997	-	-	0	48	8	23	80
	1998	0	0	-	-	-	-	0
	1999	-	-	0	0	0	8	8
	2000	0	0	-	-	-	-	0
	2001	-	-	0	0	0	0	0
	2002	0	0	-	-	-	-	0
	2003	-	-	0	30	0	0	30
	2004	0	0	-	-	-	-	0
	2005	-	-	0	0	8	5	13
	2006	0	0	-	-	-	-	0
	2007	-	-	0	27	0	0	27
	2008	0	0	-	-	-	-	0
	2009	-	-	-	0	0	0	0
2010	0	0	-	-	-	-	0	
2011	-	-	0	0	0	0	0	

Table 31. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
201-300	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	0	0
	2014	0	0	-	-	-	-	0
301-400	1996	NA	0	-	-	-	-	0
	1997	-	-	0	0	7	0	7
	1998	0	0	-	-	-	-	0
	1999	-	-	0	0	0	21	21
	2000	0	0	-	-	-	-	0
	2001	-	-	0	0	0	22	22
	2002	0	0	-	-	-	-	0
	2003	-	-	0	0	0	0	0
	2004	0	0	-	-	-	-	0
	2005	-	-	0	0	0	5	5
	2006	0	0	-	-	-	-	0
	2007	-	-	0	0	0	0	0
	2008	0	0	-	-	-	-	0
	2009	-	-	-	0	0	0	0
	2010	0	0	-	-	-	-	0
	2011	-	-	6	0	0	0	6
	2012	0	0	-	-	-	-	0
2013	-	-	0	0	0	0	0	
2014	0	0	-	-	-	-	0	
401-600	1996	NA	0	-	-	-	-	0
	1997	-	-	126	9	7	35	177
	1998	0	0	-	-	-	-	0
	1999	-	-	0	0	0	6	6
	2000	0	0	-	-	-	-	0
	2001	-	-	0	0	0	0	0
	2002	0	0	-	-	-	-	0
	2003	-	-	150	0	4	10	164
	2004	0	0	-	-	-	-	0
	2005	-	-	4	0	0	0	4
	2006	0	0	-	-	-	-	0
2007	-	-	157	23	0	-	180	
2008	0	0	-	-	-	-	0	
2009	-	-	-	0	0	0	0	
2010	0	0	-	-	-	-	0	

Table 31. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
401-600	2011	-	-	28	0	0	0	28
	2012	0	0	-	-	-	-	0
	2013	-	-	0	49	0	6	55
	2014	0	0	-	-	-	-	0
601-800	1996	NA	0	-	-	-	-	0
	1997	-	-	18	100	16	19	153
	1998	0	0	-	-	-	-	0
	1999	-	-	8	15	12	0	36
	2000	0	0	-	-	-	-	0
	2001	-	-	10	0	13	0	23
	2002	0	0	-	-	-	-	0
	2003	-	-	13	0	0	0	13
	2004	0	0	-	-	-	-	0
	2005	-	-	0	0	0	0	0
	2006	0	0	-	-	-	-	0
	2007	-	-	0	0	0	-	0
	2008	0	0	-	-	-	-	0
	2009	-	-	0	0	0	0	0
	2010	0	0	-	-	-	-	0
	2011	-	-	0	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	0	0
	2014	0	0	-	-	-	-	0
	801-1000	1996	NA	0	-	-	-	-
1997		-	-	0	57	0	0	57
1998		0	0	-	-	-	-	0
1999		-	-	0	0	0	0	0
2000		0	0	-	-	-	-	0
2001		-	-	0	0	-	-	0
2002		0	0	-	-	-	-	0
2003		-	-	0	-	0	0	0
2004		0	0	-	-	-	-	0
2005		-	-	0	0	0	0	0
2006		0	0	-	-	-	-	0
2007		-	-	-	0	0	-	0
2008		0	0	-	-	-	-	0
2009		-	-	0	-	-	0	0

Table 31. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
801-1000	2010	0	0	-	-	-	-	0
	2011	-	-	-	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	-	0
	2014	0	0	-	-	-	-	0
151-1000	1996	NA	0	-	-	-	-	0
	1997	-	-	144	214	37	127	522
	1998	0	0	-	-	-	-	0
	1999	-	-	8	98	12	58	177
	2000	0	0	-	-	-	-	0
	2001	-	-	10	0	13	22	45
	2002	0	0	-	-	-	-	0
	2003	-	-	163	30	4	10	207
	2004	0	0	-	-	-	-	0
	2005	-	-	4	0	8	10	23
	2006	0	0	-	-	-	-	0
	2007	-	-	248	99	0	0	347
	2008	0	0	-	-	-	-	0
	2009	-	-	0	42	0	0	42
	2010	0	0	-	-	-	-	0
	2011	-	-	34	0	0	0	34
	2012	0	0	-	-	-	-	0
	2013	-	-	0	65	0	6	71
	2014	0	0	-	-	-	-	0

Table 32. -- Relative population weight (RPW) of sablefish by depth interval in the Aleutian Islands (AI) and Bering Sea North Pacific Fishery Management Council regulatory areas from National Marine Fisheries Service longline surveys, 1996-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
151-200	1996	NA	2,510	-	-	-	-	2,510
	1997	-	-	260	0	0	0	260
	1998	64	2,401	-	-	-	-	2,465
	1999	-	-	0	84	0	0	84
	2000	0	2,328	-	-	-	-	2,328
	2001	-	-	0	0	0	0	0
	2002	0	2,690	-	-	-	-	2,690
	2003	-	-	0	0	0	0	0
	2004	0	4,428	-	-	-	-	4,428
	2005	-	-	2,421	0	0	0	2,421
	2006	0	12,821	-	-	-	-	12,821
	2007	-	-	0	66	0	-	66
	2008	237	9,685	-	-	-	-	9,922
	2009	-	-	-	0	0	0	0
2010	119	90	-	-	-	-	210	
2011	-	-	0	0	0	0	0	
2012	21	10,777	-	-	-	-	10,798	
2013	-	-	0	0	0	0	0	
2014	1,354	2,592	-	-	-	-	3,947	
201-300	1996	NA	6,704	-	-	-	-	6,704
	1997	-	-	648	0	1,590	124	2,362
	1998	1,871	8,423	-	-	-	-	10,294
	1999	-	-	0	37	0	0	37
	2000	2,112	10,070	-	-	-	-	12,182
	2001	-	-	0	0	0	0	0
	2002	5,457	6,866	-	-	-	-	12,324
	2003	-	-	0	277	169	0	447
	2004	3,296	9,413	-	-	-	-	12,709
	2005	-	-	8,085	0	28	44	8,157
	2006	701	21,178	-	-	-	-	21,879
	2007	-	-	95	133	0	0	229
	2008	3,034	11,553	-	-	-	-	14,587
	2009	-	-	-	0	0	0	0
2010	3,113	3,797	-	-	-	-	6,910	
2011	-	-	338	0	0	0	338	

Table 32. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
201-300	2012	2,390	14,465	-	-	-	-	16,855
	2013	-	-	1,700	152	0	0	1,852
	2014	2,824	16,256	-	-	-	-	19,081
301-400	1996	NA	10,036	-	-	-	-	10,036
	1997	-	-	1,348	0	1,279	1,775	4,403
	1998	13,445	14,177	-	-	-	-	27,622
	1999	-	-	234	462	286	90	1,073
	2000	8,567	18,642	-	-	-	-	27,209
	2001	-	-	1,095	8,557	220	0	9,871
	2002	18,864	10,343	-	-	-	-	29,207
	2003	-	-	781	4,986	1,880	0	7,647
	2004	7,073	13,472	-	-	-	-	20,546
	2005	-	-	11,523	3,740	845	4,504	20,612
	2006	8,109	16,732	-	-	-	-	24,841
	2007	-	-	5,793	446	451	3,159	9,848
	2008	4,975	13,903	-	-	-	-	18,878
	2009	-	-	-	0	405	999	1,404
	2010	3,459	8,592	-	-	-	-	12,051
	2011	-	-	3,330	0	52	0	3,382
	2012	5,759	5,362	-	-	-	-	11,121
2013	-	-	3,688	1,062	677	440	5,866	
2014	9,659	10,129	-	-	-	-	19,787	
401-600	1996	NA	13,421	-	-	-	-	13,421
	1997	-	-	11,318	24,863	6,910	3,987	47,078
	1998	60,111	33,124	-	-	-	-	93,235
	1999	-	-	14,686	19,213	3,802	1,973	39,674
	2000	25,578	30,736	-	-	-	-	56,313
	2001	-	-	38,320	56,711	6,893	2,470	104,394
	2002	34,354	19,125	-	-	-	-	53,478
	2003	-	-	14,853	47,373	10,738	9,854	82,817
	2004	32,386	22,506	-	-	-	-	54,892
	2005	-	-	28,146	51,095	7,356	5,549	92,146
	2006	43,106	28,528	-	-	-	-	71,635
	2007	-	-	43,148	40,115	11,405	-	94,668
	2008	35,067	18,203	-	-	-	-	53,270
2009	-	-	-	7,092	7,212	3,562	17,866	
2010	25,854	19,558	-	-	-	-	45,412	

Table 32. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
401-600	2011	-	-	22,067	13,765	3,079	1,424	40,334
	2012	25,387	14,728	-	-	-	-	40,115
	2013	-	-	18,106	46,715	4,606	4,912	74,338
	2014	34,448	12,455	-	-	-	-	46,902
601-800	1996	NA	11,438	-	-	-	-	11,438
	1997	-	-	11,838	44,906	8,125	3,377	68,246
	1998	54,618	20,076	-	-	-	-	74,694
	1999	-	-	16,720	49,270	3,670	2,438	72,097
	2000	27,199	7,907	-	-	-	-	35,106
	2001	-	-	23,655	57,267	4,883	1,394	87,200
	2002	41,039	16,311	-	-	-	-	57,350
	2003	-	-	15,252	95,461	8,333	6,579	125,625
	2004	30,423	6,712	-	-	-	-	37,135
	2005	-	-	26,375	51,672	8,128	4,970	91,145
	2006	43,620	7,365	-	-	-	-	50,985
	2007	-	-	40,885	90,275	17,267	-	148,427
	2008	45,464	10,490	-	-	-	-	55,953
	2009	-	-	17,730	12,508	11,646	1,722	43,606
	2010	19,643	13,011	-	-	-	-	32,654
	2011	-	-	12,207	16,284	3,747	1,259	33,497
2012	28,667	10,208	-	-	-	-	38,875	
2013	-	-	14,099	87,189	5,699	2,537	109,523	
2014	27,996	6,131	-	-	-	-	34,127	
801-1000	1996	NA	933	-	-	-	-	933
	1997	-	-	19,078	15,751	2,373	1,009	38,211
	1998	9,747	3,756	-	-	-	-	13,503
	1999	-	-	8,201	13,320	459	1,451	23,431
	2000	56,996	3,986	-	-	-	-	60,982
	2001	-	-	22,833	32,334	-	-	55,168
	2002	67,214	4,719	-	-	-	-	71,932
	2003	-	-	10,447	-	3,667	2,346	16,460
	2004	14,650	1,467	-	-	-	-	16,117
	2005	-	-	20,151	29,100	0	1,049	50,300
2006	1,407	1,618	-	-	-	-	3,025	
2007	-	-	-	51,128	1,486	-	52,614	
2008	0	4,138	-	-	-	-	4,138	
2009	-	-	11,622	-	-	343	11,965	

Table 32. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
801-1000	2010	22,634	1,755	-	-	-	-	24,389
	2011	-	-	-	14,797	0	2,054	16,851
	2012	39,175	0	-	-	-	-	39,175
	2013	-	-	20,893	55,480	310	-	76,683
	2014	11,293	2,257	-	-	-	-	13,550
151-1000	1996	NA	45,042	-	-	-	-	45,042
	1997	-	-	44,492	85,521	20,276	10,272	160,560
	1998	139,856	81,957	-	-	-	-	221,814
	1999	-	-	39,841	82,386	8,218	5,952	136,397
	2000	120,451	73,669	-	-	-	-	194,120
	2001	-	-	85,903	154,869	11,996	3,865	256,633
	2002	166,927	60,054	-	-	-	-	226,980
	2003	-	-	41,333	148,098	24,787	18,779	232,996
	2004	87,829	57,998	-	-	-	-	145,827
	2005	-	-	96,700	135,606	16,358	16,116	264,781
	2006	96,943	88,243	-	-	-	-	185,186
	2007	-	-	89,922	182,163	30,609	3,159	305,852
	2008	88,777	67,971	-	-	-	-	156,748
	2009	-	-	29,352	19,600	19,263	6,626	74,840
	2010	74,822	46,803	-	-	-	-	121,625
	2011	-	-	37,942	44,845	6,878	4,737	94,402
2012	101,399	55,540	-	-	-	-	156,939	
2013	-	-	58,485	190,598	11,292	7,888	268,263	
2014	87,574	49,820	-	-	-	-	137,394	

Table 33. -- Relative population weight (RPW) of shortspine thornyhead by depth interval in the Aleutian Islands (AI) and Bering Sea North Pacific Fishery Management Council regulatory areas from National Marine Fisheries Service longline surveys, 1996-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
151-200	1996	NA	0	-	-	-	-	0
	1997	-	-	29	0	0	0	29
	1998	0	11	-	-	-	-	11
	1999	-	-	0	0	0	0	0
	2000	0	12	-	-	-	-	12
	2001	-	-	0	0	0	0	0
	2002	0	0	-	-	-	-	0
	2003	-	-	0	0	0	0	0
	2004	0	0	-	-	-	-	0
	2005	-	-	0	0	0	0	0
	2006	0	0	-	-	-	-	0
	2007	-	-	0	0	194	-	194
	2008	252	53	-	-	-	-	305
	2009	-	-	-	0	0	0	0
201-300	2010	151	623	-	-	-	-	774
	2011	-	-	34	0	49	0	83
	2012	95	588	-	-	-	-	683
	2013	-	-	0	0	0	0	0
	2014	0	0	-	-	-	-	0
	1996	NA	294	-	-	-	-	294
	1997	-	-	464	0	0	0	464
	1998	681	485	-	-	-	-	1,166
	1999	-	-	0	0	0	0	0
	2000	688	41	-	-	-	-	730
	2001	-	-	133	0	0	0	133
	2002	1,123	157	-	-	-	-	1,280
	2003	-	-	0	0	0	0	0
	2004	2,172	305	-	-	-	-	2,477
	2005	-	-	43	0	70	0	113
	2006	146	324	-	-	-	-	470
	2007	-	-	110	0	178	0	288
2008	1,177	1,427	-	-	-	-	2,604	
2009	-	-	-	0	0	0	0	
2010	707	3,885	-	-	-	-	4,592	
2011	-	-	457	0	94	0	550	

Table 33. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
201-300	2012	2,051	1,131	-	-	-	-	3,182
	2013	-	-	680	0	48	0	728
	2014	1,355	2,589	-	-	-	-	3,944
301-400	1996	NA	2,752	-	-	-	-	2,752
	1997	-	-	1,318	0	41	0	1,359
	1998	645	1,359	-	-	-	-	2,003
	1999	-	-	220	0	4	0	224
	2000	903	1,658	-	-	-	-	2,561
	2001	-	-	652	0	26	0	677
	2002	1,024	1,772	-	-	-	-	2,795
	2003	-	-	324	0	0	0	324
	2004	904	2,534	-	-	-	-	3,438
	2005	-	-	2,559	67	77	0	2,703
	2006	270	1,255	-	-	-	-	1,525
	2007	-	-	1,924	0	0	0	1,924
	2008	1,856	1,799	-	-	-	-	3,655
	2009	-	-	-	0	408	27	435
	2010	822	2,802	-	-	-	-	3,624
	2011	-	-	1,680	38	11	0	1,729
	2012	1,414	3,009	-	-	-	-	4,422
2013	-	-	3,694	81	175	0	3,950	
2014	2,180	1,334	-	-	-	-	3,513	
401-600	1996	NA	3,441	-	-	-	-	3,441
	1997	-	-	3,518	285	457	31	4,291
	1998	5,163	3,930	-	-	-	-	9,092
	1999	-	-	1,518	144	367	28	2,057
	2000	3,318	3,970	-	-	-	-	7,289
	2001	-	-	3,273	520	613	189	4,595
	2002	3,801	4,015	-	-	-	-	7,816
	2003	-	-	4,485	750	1,972	50	7,258
	2004	2,770	3,313	-	-	-	-	6,083
	2005	-	-	4,365	748	666	69	5,849
	2006	3,363	3,884	-	-	-	-	7,247
2007	-	-	3,505	636	846	-	4,987	
2008	3,443	2,467	-	-	-	-	5,910	
2009	-	-	-	2,051	959	275	3,285	
2010	2,933	2,588	-	-	-	-	5,521	

Table 33. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
401-600	2011	-	-	6,245	3,563	1,822	680	12,311
	2012	4,308	2,806	-	-	-	-	7,114
	2013	-	-	4,445	3,483	953	472	9,353
	2014	4,502	2,815	-	-	-	-	7,316
601-800	1996	NA	1,923	-	-	-	-	1,923
	1997	-	-	2,243	2,124	918	178	5,463
	1998	4,227	1,795	-	-	-	-	6,022
	1999	-	-	399	926	801	141	2,266
	2000	6,960	1,112	-	-	-	-	8,072
	2001	-	-	1,764	576	631	427	3,398
	2002	3,573	1,535	-	-	-	-	5,107
	2003	-	-	916	559	557	348	2,380
	2004	3,933	1,340	-	-	-	-	5,273
	2005	-	-	1,537	1,309	655	106	3,607
	2006	3,309	709	-	-	-	-	4,018
	2007	-	-	1,767	2,756	1,213	-	5,735
	2008	5,448	1,071	-	-	-	-	6,519
	2009	-	-	1,346	11,463	1,118	367	14,294
	2010	1,461	1,767	-	-	-	-	3,228
	2011	-	-	3,647	9,714	2,175	126	15,662
	2012	4,409	1,022	-	-	-	-	5,432
	2013	-	-	1,658	7,309	1,518	617	11,102
	2014	4,634	2,231	-	-	-	-	6,865
	801-1000	1996	NA	1,714	-	-	-	-
1997		-	-	1,075	348	166	0	1,589
1998		221	439	-	-	-	-	660
1999		-	-	0	0	147	0	147
2000		6,093	334	-	-	-	-	6,426
2001		-	-	1,054	43	-	-	1,098
2002		4,993	1,255	-	-	-	-	6,247
2003		-	-	241	-	763	93	1,096
2004		1,630	297	-	-	-	-	1,927
2005		-	-	1,865	0	0	0	1,865
2006		181	418	-	-	-	-	599
2007		-	-	-	442	241	-	683
2008		0	843	-	-	-	-	843
2009	-	-	645	-	-	0	645	

Table 33. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
801-1000	2010	6,740	590	-	-	-	-	7,330
	2011	-	-	-	620	0	0	620
	2012	9,048	0	-	-	-	-	9,048
	2013	-	-	1,278	0	0	-	1,278
	2014	4,682	2,287	-	-	-	-	6,969
151-1000	1996	NA	10,124	-	-	-	-	10,124
	1997	-	-	8,646	2,757	1,582	209	13,195
	1998	10,936	8,018	-	-	-	-	18,954
	1999	-	-	2,137	1,070	1,319	169	4,695
	2000	17,962	7,128	-	-	-	-	25,090
	2001	-	-	6,876	1,139	1,270	616	9,901
	2002	14,513	8,733	-	-	-	-	23,246
	2003	-	-	5,966	1,309	3,292	491	11,058
	2004	11,409	7,789	-	-	-	-	19,197
	2005	-	-	10,370	2,124	1,468	175	14,137
	2006	7,269	6,590	-	-	-	-	13,859
	2007	-	-	7,305	3,834	2,671	0	13,810
	2008	12,176	7,661	-	-	-	-	19,837
	2009	-	-	1,991	13,514	2,486	669	18,660
	2010	12,814	12,255	-	-	-	-	25,068
2011	-	-	12,062	13,936	4,151	807	30,955	
2012	21,326	8,556	-	-	-	-	29,882	
2013	-	-	11,756	10,873	2,694	1,090	26,412	
2014	17,353	11,255	-	-	-	-	28,608	

Table 34. -- Relative population weight (RPW) of rougheye and blackspotted rockfish by depth interval in the Aleutian Islands (AI) and Bering Sea North Pacific Fishery Management Council regulatory areas from National Marine Fisheries Service longline surveys, 1996-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
151-200	1996	NA	587	-	-	-	-	587
	1997	-	-	2,342	31	0	0	2,373
	1998	25	280	-	-	-	-	305
	1999	-	-	1,131	0	47	0	1,177
	2000	144	350	-	-	-	-	494
	2001	-	-	1,544	0	221	0	1,765
	2002	302	924	-	-	-	-	1,227
	2003	-	-	1,081	52	78	0	1,211
	2004	184	1,332	-	-	-	-	1,516
	2005	-	-	2,219	28	235	0	2,482
	2006	224	4,077	-	-	-	-	4,301
	2007	-	-	749	0	278	-	1,027
	2008	267	1,133	-	-	-	-	1,400
	2009	-	-	-	36	160	0	197
	2010	603	266	-	-	-	-	869
	2011	-	-	1,943	0	107	0	2,050
	2012	337	2,368	-	-	-	-	2,706
	2013	-	-	399	0	0	0	399
	2014	892	2,613	-	-	-	-	3,505
	201-300	1996	NA	7,327	-	-	-	-
1997		-	-	994	0	2	0	996
1998		4,657	4,445	-	-	-	-	9,102
1999		-	-	5,036	58	171	43	5,308
2000		721	10,580	-	-	-	-	11,301
2001		-	-	9,997	0	28	0	10,026
2002		2,834	5,326	-	-	-	-	8,160
2003		-	-	18,365	75	137	0	18,577
2004		1,817	9,930	-	-	-	-	11,748
2005		-	-	5,118	285	109	61	5,573
2006		1,276	16,193	-	-	-	-	17,469
2007		-	-	3,612	191	218	0	4,020
2008		491	10,174	-	-	-	-	10,665
2009	-	-	-	0	162	0	162	
2010	1,186	4,581	-	-	-	-	5,767	
2011	-	-	3,585	119	12	0	3,716	

Table 34. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
201-300	2012	205	6,668	-	-	-	-	6,873
	2013	-	-	14,419	93	32	0	14,544
	2014	1,628	5,551	-	-	-	-	7,179
301-400	1996	NA	14,344	-	-	-	-	14,344
	1997	-	-	2,282	272	195	77	2,826
	1998	8,439	13,906	-	-	-	-	22,346
	1999	-	-	9,502	1,020	18	53	10,594
	2000	5,588	20,386	-	-	-	-	25,974
	2001	-	-	4,007	215	176	154	4,552
	2002	5,387	12,578	-	-	-	-	17,965
	2003	-	-	8,201	602	299	0	9,102
	2004	4,669	15,298	-	-	-	-	19,967
	2005	-	-	2,865	338	302	169	3,675
	2006	4,100	18,751	-	-	-	-	22,850
	2007	-	-	2,273	1,038	339	407	4,056
	2008	1,522	9,382	-	-	-	-	10,904
	2009	-	-	-	927	567	64	1,558
	2010	2,665	9,180	-	-	-	-	11,845
	2011	-	-	2,586	956	645	166	4,352
	2012	2,722	6,220	-	-	-	-	8,942
2013	-	-	2,600	1,179	37	265	4,081	
401-600	2014	2,460	14,383	-	-	-	-	16,843
	1996	NA	2,310	-	-	-	-	2,310
	1997	-	-	62	0	56	70	189
	1998	1,676	3,548	-	-	-	-	5,224
	1999	-	-	69	200	16	61	346
	2000	4,399	2,918	-	-	-	-	7,316
	2001	-	-	12	48	124	0	184
	2002	861	1,789	-	-	-	-	2,650
	2003	-	-	1,172	284	36	0	1,492
	2004	766	1,731	-	-	-	-	2,497
	2005	-	-	0	18	21	83	122
	2006	1,081	3,993	-	-	-	-	5,074
	2007	-	-	72	143	84	-	299
2008	337	1,834	-	-	-	-	2,170	
2009	-	-	-	167	137	36	339	
2010	816	1,968	-	-	-	-	2,784	

Table 34. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
401-600	2011	-	-	298	45	51	0	395
	2012	519	1,744	-	-	-	-	2,263
	2013	-	-	52	0	593	0	644
	2014	741	5,059	-	-	-	-	5,799
601-800	1996	NA	25	-	-	-	-	25
	1997	-	-	11	0	0	0	11
	1998	18	46	-	-	-	-	64
	1999	-	-	0	0	0	0	0
	2000	0	7	-	-	-	-	7
	2001	-	-	0	0	0	0	0
	2002	0	0	-	-	-	-	0
	2003	-	-	0	0	0	0	0
	2004	4	0	-	-	-	-	4
	2005	-	-	0	0	0	0	0
	2006	0	0	-	-	-	-	0
	2007	-	-	0	0	0	-	0
	2008	0	0	-	-	-	-	0
	2009	-	-	0	0	0	0	0
	2010	0	0	-	-	-	-	0
	2011	-	-	0	0	48	0	48
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	0	0
	2014	0	0	-	-	-	-	0
	801-1000	1996	NA	0	-	-	-	-
1997		-	-	0	0	0	0	0
1998		0	0	-	-	-	-	0
1999		-	-	0	0	0	0	0
2000		0	0	-	-	-	-	0
2001		-	-	0	0	-	-	0
2002		0	0	-	-	-	-	0
2003		-	-	0	-	0	0	0
2004		0	0	-	-	-	-	0
2005		-	-	0	0	0	0	0
2006		0	0	-	-	-	-	0
2007		-	-	-	0	0	-	0
2008		0	0	-	-	-	-	0
2009		-	-	0	-	-	0	0

Table 34. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
801-1000	2010	0	0	-	-	-	-	0
	2011	-	-	-	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	-	0
	2014	0	0	-	-	-	-	0
151-1000	1996	NA	24,593	-	-	-	-	24,593
	1997	-	-	5,691	303	253	148	6,394
	1998	14,815	22,226	-	-	-	-	37,041
	1999	-	-	15,738	1,278	251	157	17,425
	2000	10,852	34,240	-	-	-	-	45,093
	2001	-	-	15,560	263	550	154	16,527
	2002	9,384	20,617	-	-	-	-	30,001
	2003	-	-	28,819	1,014	550	0	30,382
	2004	7,440	28,291	-	-	-	-	35,731
	2005	-	-	10,202	669	667	314	11,852
	2006	6,681	43,013	-	-	-	-	49,695
	2007	-	-	6,705	1,372	919	407	9,403
	2008	2,617	22,523	-	-	-	-	25,140
	2009	-	-	0	1,130	1,026	100	2,256
	2010	5,270	15,995	-	-	-	-	21,265
2011	-	-	8,412	1,120	864	166	10,561	
2012	3,783	17,000	-	-	-	-	20,783	
2013	-	-	17,470	1,272	662	265	19,669	
2014	5,721	27,606	-	-	-	-	33,327	

Table 35. -- Relative population weight (RPW) of shortraker rockfish by depth interval in the Aleutian Islands (AI) and Bering Sea North Pacific Fishery Management Council regulatory areas from National Marine Fisheries Service longline surveys, 1996-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
151-200	1996	NA	13	-	-	-	-	13
	1997	-	-	124	0	0	0	124
	1998	0	0	-	-	-	-	0
	1999	-	-	0	0	0	0	0
	2000	0	79	-	-	-	-	79
	2001	-	-	525	0	0	0	525
	2002	0	137	-	-	-	-	137
	2003	-	-	0	0	0	0	0
	2004	0	142	-	-	-	-	142
	2005	-	-	0	0	0	0	0
	2006	0	222	-	-	-	-	222
	2007	-	-	74	0	0	-	74
	2008	0	37	-	-	-	-	37
	2009	-	-	-	0	0	0	0
2010	617	0	-	-	-	-	617	
2011	-	-	0	0	298	0	298	
2012	0	159	-	-	-	-	159	
2013	-	-	0	0	0	0	0	
2014	0	126	-	-	-	-	126	
201-300	1996	NA	702	-	-	-	-	702
	1997	-	-	313	0	165	0	478
	1998	3,142	1,179	-	-	-	-	4,321
	1999	-	-	982	0	58	0	1,040
	2000	184	1,121	-	-	-	-	1,305
	2001	-	-	3,379	0	98	0	3,477
	2002	652	759	-	-	-	-	1,411
	2003	-	-	2,828	0	808	0	3,636
	2004	336	2,384	-	-	-	-	2,720
	2005	-	-	396	587	222	58	1,262
	2006	3,339	4,762	-	-	-	-	8,101
	2007	-	-	191	75	459	0	725
	2008	86	2,598	-	-	-	-	2,684
	2009	-	-	-	0	263	0	263
2010	2,612	1,188	-	-	-	-	3,800	
2011	-	-	2,220	0	420	0	2,639	

Table 35. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
201-300	2012	2,194	763	-	-	-	-	2,956
	2013	-	-	2,751	0	287	85	3,123
	2014	753	2,482	-	-	-	-	3,235
301-400	1996	NA	3,903	-	-	-	-	3,903
	1997	-	-	810	1,544	1,693	204	4,252
	1998	2,303	3,078	-	-	-	-	5,381
	1999	-	-	6,103	5,681	867	137	12,787
	2000	1,374	5,831	-	-	-	-	7,205
	2001	-	-	2,669	5,938	722	498	9,827
	2002	2,522	2,830	-	-	-	-	5,352
	2003	-	-	1,346	11,896	12,729	101	26,072
	2004	1,449	5,225	-	-	-	-	6,674
	2005	-	-	335	1,679	1,019	1,346	4,378
	2006	2,306	4,047	-	-	-	-	6,352
	2007	-	-	440	3,293	2,369	39	6,142
	2008	636	2,387	-	-	-	-	3,022
	2009	-	-	-	246	1,137	229	1,612
	2010	1,845	3,749	-	-	-	-	5,594
	2011	-	-	1,493	23	5,729	3,516	10,761
	2012	2,245	3,087	-	-	-	-	5,332
2013	-	-	1,954	76	1,024	374	3,429	
401-600	2014	2,105	5,436	-	-	-	-	7,541
	1996	NA	2,584	-	-	-	-	2,584
	1997	-	-	496	871	1,613	731	3,711
	1998	1,464	1,871	-	-	-	-	3,335
	1999	-	-	2,491	7,098	1,022	180	10,791
	2000	3,411	2,666	-	-	-	-	6,077
	2001	-	-	348	1,690	1,580	273	3,891
	2002	1,157	1,922	-	-	-	-	3,079
	2003	-	-	1,568	10,868	1,423	544	14,403
	2004	1,087	1,331	-	-	-	-	2,417
	2005	-	-	76	2,643	1,059	298	4,077
	2006	1,351	3,356	-	-	-	-	4,708
	2007	-	-	219	2,640	951	-	3,811
2008	942	1,874	-	-	-	-	2,815	
2009	-	-	-	0	1,343	1,198	2,541	
2010	1,870	1,810	-	-	-	-	3,680	

Table 35. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
401-600	2011	-	-	1,548	473	1,004	762	3,786
	2012	1,634	3,021	-	-	-	-	4,655
	2013	-	-	783	80	1,367	646	2,876
	2014	1,077	3,524	-	-	-	-	4,601
601-800	1996	NA	170	-	-	-	-	170
	1997	-	-	28	0	0	0	28
	1998	574	249	-	-	-	-	822
	1999	-	-	20	0	161	0	181
	2000	33	235	-	-	-	-	268
	2001	-	-	54	489	121	0	664
	2002	24	315	-	-	-	-	339
	2003	-	-	59	2,237	742	31	3,069
	2004	48	15	-	-	-	-	64
	2005	-	-	10	1,972	157	0	2,140
	2006	371	198	-	-	-	-	569
	2007	-	-	30	1,226	414	-	1,670
	2008	62	98	-	-	-	-	160
	2009	-	-	0	0	469	0	469
	2010	40	211	-	-	-	-	251
	2011	-	-	0	57	88	0	145
2012	11	172	-	-	-	-	183	
2013	-	-	0	0	188	10	198	
2014	135	0	-	-	-	-	135	
801-1000	1996	NA	0	-	-	-	-	0
	1997	-	-	0	0	0	0	0
	1998	0	0	-	-	-	-	0
	1999	-	-	0	0	0	0	0
	2000	0	0	-	-	-	-	0
	2001	-	-	0	0	-	-	0
	2002	0	0	-	-	-	-	0
	2003	-	-	0	-	0	0	0
	2004	0	0	-	-	-	-	0
	2005	-	-	0	0	0	0	0
	2006	0	0	-	-	-	-	0
	2007	-	-	-	0	1,495	-	1,495
2008	0	0	-	-	-	-	0	
2009	-	-	0	-	-	0	0	

Table 35. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
801-1000	2010	0	74	-	-	-	-	74
	2011	-	-	-	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	-	0
	2014	0	0	-	-	-	-	0
151-1000	1996	NA	7,372	-	-	-	-	7,372
	1997	-	-	1,772	2,415	3,472	935	8,594
	1998	7,483	6,377	-	-	-	-	13,859
	1999	-	-	9,596	12,779	2,108	316	24,799
	2000	5,002	9,931	-	-	-	-	14,933
	2001	-	-	6,975	8,117	2,521	770	18,384
	2002	4,355	5,963	-	-	-	-	10,318
	2003	-	-	5,801	25,001	15,702	676	47,179
	2004	2,920	9,097	-	-	-	-	12,017
	2005	-	-	817	6,881	2,457	1,702	11,856
	2006	7,367	12,585	-	-	-	-	19,951
	2007	-	-	955	7,234	5,688	39	13,916
	2008	1,725	6,993	-	-	-	-	8,719
	2009	-	-	0	246	3,213	1,427	4,886
	2010	6,984	7,032	-	-	-	-	14,016
2011	-	-	5,260	553	7,538	4,278	17,629	
2012	6,084	7,200	-	-	-	-	13,284	
2013	-	-	5,489	156	2,866	1,116	9,627	
2014	4,070	11,568	-	-	-	-	15,638	

Table 36. -- Relative population weight (RPW) of Pacific cod by depth interval in the Aleutian Islands (AI) and Bering Sea North Pacific Fishery Management Council regulatory areas from National Marine Fisheries Service longline surveys, 1996-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
151-200	1996	NA	85,619	-	-	-	-	85,619
	1997	-	-	31,644	151,800	69,399	75,269	328,112
	1998	82,326	39,977	-	-	-	-	122,303
	1999	-	-	7,386	85,042	46,292	73,849	212,569
	2000	76,204	67,905	-	-	-	-	144,109
	2001	-	-	17,534	104,741	49,572	65,164	237,011
	2002	66,364	32,481	-	-	-	-	98,845
	2003	-	-	21,922	104,856	57,879	15,121	199,778
	2004	34,846	31,524	-	-	-	-	66,370
	2005	-	-	23,917	52,348	51,097	55,939	183,302
	2006	67,521	40,953	-	-	-	-	108,473
	2007	-	-	34,054	99,698	77,117	-	210,869
	2008	50,902	35,315	-	-	-	-	86,217
	2009	-	-	-	62,191	57,670	14,041	133,902
2010	48,928	29,772	-	-	-	-	78,700	
2011	-	-	37,846	47,326	42,108	49,164	176,444	
2012	66,019	27,042	-	-	-	-	93,061	
2013	-	-	38,493	96,090	76,876	26,352	237,810	
2014	85,827	38,004	-	-	-	-	123,830	
201-300	1996	NA	53,879	-	-	-	-	53,879
	1997	-	-	23,014	146,693	27,537	35,973	233,218
	1998	96,434	43,556	-	-	-	-	139,989
	1999	-	-	26,920	57,594	13,238	23,228	120,980
	2000	79,145	52,234	-	-	-	-	131,379
	2001	-	-	15,674	109,148	21,765	25,299	171,886
	2002	42,054	16,855	-	-	-	-	58,909
	2003	-	-	0	97,702	22,448	15,547	135,698
	2004	29,316	25,658	-	-	-	-	54,974
	2005	-	-	13,205	48,169	19,727	16,237	97,339
	2006	60,583	29,997	-	-	-	-	90,580
	2007	-	-	31,817	76,765	14,216	19,649	142,447
	2008	37,396	25,772	-	-	-	-	63,168
	2009	-	-	-	43,615	11,718	18,636	73,969
2010	29,055	26,122	-	-	-	-	55,176	
2011	-	-	28,877	68,972	14,137	16,297	128,284	

Table 36. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
201-300	2012	52,103	23,886	-	-	-	-	75,989
	2013	-	-	21,923	110,836	11,098	8,523	152,380
	2014	62,342	23,054	-	-	-	-	85,396
301-400	1996	NA	12,484	-	-	-	-	12,484
	1997	-	-	8,477	45,513	7,342	11,941	73,274
	1998	39,756	9,932	-	-	-	-	49,688
	1999	-	-	4,429	27,532	1,232	4,564	37,757
	2000	25,950	20,361	-	-	-	-	46,311
	2001	-	-	5,735	52,243	6,951	5,637	70,565
	2002	6,877	4,904	-	-	-	-	11,782
	2003	-	-	1,224	76,129	1,372	2,610	81,334
	2004	7,130	3,445	-	-	-	-	10,575
	2005	-	-	1,467	17,796	2,375	2,410	24,048
	2006	20,382	12,459	-	-	-	-	32,842
	2007	-	-	5,277	13,308	1,946	2,055	22,587
	2008	8,279	8,943	-	-	-	-	17,222
	2009	-	-	-	8,008	1,360	6,396	15,764
	2010	5,883	11,986	-	-	-	-	17,869
	2011	-	-	11,243	26,100	4,430	1,785	43,558
	2012	9,237	2,791	-	-	-	-	12,028
2013	-	-	4,629	36,191	785	4,183	45,787	
2014	26,475	7,016	-	-	-	-	33,491	
401-600	1996	NA	323	-	-	-	-	323
	1997	-	-	203	93	21	198	515
	1998	1,186	512	-	-	-	-	1,698
	1999	-	-	144	0	0	0	144
	2000	3,701	243	-	-	-	-	3,944
	2001	-	-	141	239	81	0	462
	2002	370	0	-	-	-	-	370
	2003	-	-	1,515	4,023	0	0	5,537
	2004	0	104	-	-	-	-	104
	2005	-	-	0	39	0	0	39
	2006	877	719	-	-	-	-	1,596
2007	-	-	460	0	0	-	460	
2008	532	26	-	-	-	-	558	
2009	-	-	-	0	0	0	0	
2010	0	1,046	-	-	-	-	1,046	

Table 36. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
401-600	2011	-	-	593	621	70	0	1,283
	2012	231	0	-	-	-	-	231
	2013	-	-	80	0	96	0	176
	2014	555	127	-	-	-	-	682
601-800	1996	NA	0	-	-	-	-	0
	1997	-	-	0	0	0	0	0
	1998	0	0	-	-	-	-	0
	1999	-	-	0	0	0	0	0
	2000	0	0	-	-	-	-	0
	2001	-	-	0	0	0	0	0
	2002	0	0	-	-	-	-	0
	2003	-	-	0	0	0	0	0
	2004	0	0	-	-	-	-	0
	2005	-	-	0	0	0	0	0
	2006	0	0	-	-	-	-	0
	2007	-	-	0	0	0	-	0
	2008	0	0	-	-	-	-	0
	2009	-	-	0	0	0	0	0
	2010	0	0	-	-	-	-	0
	2011	-	-	0	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	0	0
	2014	0	0	-	-	-	-	0
	801-1000	1996	NA	0	-	-	-	-
1997		-	-	0	0	0	0	0
1998		0	0	-	-	-	-	0
1999		-	-	0	0	0	0	0
2000		0	0	-	-	-	-	0
2001		-	-	0	0	-	-	0
2002		0	0	-	-	-	-	0
2003		-	-	0	-	0	0	0
2004		0	0	-	-	-	-	0
2005		-	-	0	0	0	0	0
2006		0	0	-	-	-	-	0
2007		-	-	-	0	0	-	0
2008		0	0	-	-	-	-	0
2009		-	-	0	-	-	0	0

Table 36. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
801-1000	2010	0	0	-	-	-	-	0
	2011	-	-	-	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	-	0
	2014	0	0	-	-	-	-	0
151-1000	1996	NA	152,305	-	-	-	-	152,305
	1997	-	-	63,338	344,099	104,299	123,382	635,118
	1998	219,702	93,977	-	-	-	-	313,679
	1999	-	-	38,880	170,167	60,762	101,641	371,450
	2000	185,000	140,743	-	-	-	-	325,744
	2001	-	-	39,085	266,372	78,369	96,099	479,925
	2002	115,667	54,240	-	-	-	-	169,906
	2003	-	-	24,661	282,709	81,698	33,279	422,348
	2004	71,292	60,731	-	-	-	-	132,023
	2005	-	-	38,590	118,352	73,199	74,586	304,727
	2006	149,363	84,128	-	-	-	-	233,491
	2007	-	-	71,608	189,772	93,279	21,705	376,364
	2008	97,109	70,056	-	-	-	-	167,166
	2009	-	-	0	113,814	70,748	39,073	223,635
	2010	83,866	68,925	-	-	-	-	152,791
2011	-	-	78,559	143,019	60,746	67,246	349,570	
2012	127,590	53,719	-	-	-	-	181,310	
2013	-	-	65,124	243,117	88,854	39,058	436,153	
2014	175,198	68,200	-	-	-	-	243,399	

Table 37. -- Relative population weight (RPW) of arrowtooth flounder by depth interval in the Aleutian Islands (AI) and Bering Sea North Pacific Fishery Management Council regulatory areas from National Marine Fisheries Service longline surveys, 1996-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
151-200	1996	NA	4,246	-	-	-	-	4,246
	1997	-	-	2,581	5,870	10,535	3,393	22,379
	1998	4,802	8,174	-	-	-	-	12,975
	1999	-	-	0	4,686	8,990	1,084	14,760
	2000	3,337	5,043	-	-	-	-	8,379
	2001	-	-	421	5,124	2,913	415	8,872
	2002	4,861	2,547	-	-	-	-	7,408
	2003	-	-	1,053	10,608	3,313	1,030	16,004
	2004	4,494	2,238	-	-	-	-	6,732
	2005	-	-	1,057	6,419	3,900	828	12,204
	2006	5,252	6,162	-	-	-	-	11,414
	2007	-	-	1,855	6,123	3,005	-	10,983
	2008	4,934	5,651	-	-	-	-	10,585
	2009	-	-	-	6,528	2,853	1,774	11,155
2010	2,280	7,925	-	-	-	-	10,205	
2011	-	-	787	14,007	1,882	806	17,482	
2012	1,389	1,113	-	-	-	-	2,501	
2013	-	-	781	6,135	1,062	2,813	10,791	
2014	3,040	1,901	-	-	-	-	4,942	
201-300	1996	NA	6,988	-	-	-	-	6,988
	1997	-	-	10,871	10,357	5,815	6,329	33,372
	1998	6,810	6,597	-	-	-	-	13,407
	1999	-	-	524	8,296	1,973	1,887	12,681
	2000	8,527	5,943	-	-	-	-	14,469
	2001	-	-	0	6,870	717	378	7,965
	2002	5,826	4,324	-	-	-	-	10,150
	2003	-	-	0	11,131	2,168	914	14,214
	2004	12,219	7,117	-	-	-	-	19,336
	2005	-	-	5,537	11,033	1,579	1,114	19,263
	2006	13,408	5,096	-	-	-	-	18,505
	2007	-	-	2,333	9,590	2,078	2,116	16,117
	2008	4,939	4,616	-	-	-	-	9,555
	2009	-	-	-	9,879	624	1,395	11,898
2010	6,222	4,529	-	-	-	-	10,751	
2011	-	-	2,283	5,392	868	1,911	10,454	

Table 37. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
201-300	2012	3,431	1,313	-	-	-	-	4,744
	2013	-	-	2,095	7,268	729	2,598	12,690
	2014	5,926	1,775	-	-	-	-	7,701
301-400	1996	NA	3,790	-	-	-	-	3,790
	1997	-	-	19,928	44,170	7,803	20,825	92,726
	1998	10,865	2,396	-	-	-	-	13,262
	1999	-	-	10,742	28,811	2,991	11,962	54,506
	2000	7,720	3,598	-	-	-	-	11,318
	2001	-	-	4,100	12,226	3,936	1,796	22,058
	2002	2,042	1,745	-	-	-	-	3,787
	2003	-	-	3,683	13,356	1,578	984	19,602
	2004	7,743	3,507	-	-	-	-	11,250
	2005	-	-	6,250	21,151	2,626	3,639	33,666
	2006	12,092	3,740	-	-	-	-	15,832
	2007	-	-	10,062	23,689	2,775	5,643	42,170
	2008	3,342	4,584	-	-	-	-	7,926
	2009	-	-	-	35,904	590	3,382	39,876
	2010	7,173	4,945	-	-	-	-	12,118
401-600	2011	-	-	6,333	15,938	887	2,685	25,843
	2012	2,361	3,407	-	-	-	-	5,769
	2013	-	-	3,079	23,021	2,350	5,549	33,999
	2014	5,369	1,601	-	-	-	-	6,970
	1996	NA	3,427	-	-	-	-	3,427
	1997	-	-	18,802	68,313	6,758	8,758	102,631
	1998	28,134	3,365	-	-	-	-	31,499
	1999	-	-	25,829	73,355	3,506	10,694	113,384
	2000	21,605	6,630	-	-	-	-	28,234
	2001	-	-	17,536	30,668	7,233	5,186	60,623
	2002	14,722	1,844	-	-	-	-	16,565
	2003	-	-	18,271	39,907	4,961	10,038	73,177
	2004	7,884	2,297	-	-	-	-	10,181
	2005	-	-	8,399	30,450	5,406	6,039	50,295
	2006	13,672	8,493	-	-	-	-	22,164
2007	-	-	16,164	40,345	10,954	-	67,463	
2008	7,980	8,809	-	-	-	-	16,789	
2009	-	-	-	57,821	5,919	8,305	72,045	
2010	4,817	8,318	-	-	-	-	13,135	

Table 37. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
401-600	2011	-	-	14,815	39,566	5,450	4,414	64,245
	2012	6,340	3,584	-	-	-	-	9,924
	2013	-	-	7,564	51,302	5,868	5,082	69,815
	2014	8,976	6,852	-	-	-	-	15,828
601-800	1996	NA	800	-	-	-	-	800
	1997	-	-	3,750	26,257	3,570	1,527	35,105
	1998	7,162	506	-	-	-	-	7,668
	1999	-	-	5,526	18,480	1,883	661	26,550
	2000	3,793	1,047	-	-	-	-	4,840
	2001	-	-	7,517	12,227	1,262	1,657	22,663
	2002	38,251	269	-	-	-	-	38,521
	2003	-	-	5,741	15,254	812	3,451	25,258
	2004	7,428	376	-	-	-	-	7,803
	2005	-	-	5,034	9,719	2,232	1,003	17,989
	2006	4,619	304	-	-	-	-	4,923
	2007	-	-	3,609	19,201	3,804	-	26,613
	2008	4,033	637	-	-	-	-	4,671
	2009	-	-	7,021	45,753	3,816	2,109	58,698
	2010	2,033	130	-	-	-	-	2,163
	2011	-	-	3,696	30,953	2,455	1,219	38,323
2012	5,587	4,051	-	-	-	-	9,638	
2013	-	-	3,106	26,111	1,678	759	31,654	
2014	7,032	517	-	-	-	-	7,549	
801-1000	1996	NA	0	-	-	-	-	0
	1997	-	-	5,211	4,189	79	0	9,479
	1998	0	0	-	-	-	-	0
	1999	-	-	320	2,731	0	0	3,052
	2000	0	369	-	-	-	-	369
	2001	-	-	4,329	5,720	-	-	10,049
	2002	2,775	208	-	-	-	-	2,983
	2003	-	-	2,384	-	125	0	2,508
	2004	0	0	-	-	-	-	0
	2005	-	-	4,437	2,604	0	0	7,041
2006	0	0	-	-	-	-	0	
2007	-	-	-	4,581	0	-	4,581	
2008	0	0	-	-	-	-	0	
2009	-	-	3,545	-	-	0	3,545	

Table 37. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
801-1000	2010	1,450	0	-	-	-	-	1,450
	2011	-	-	-	5,922	0	0	5,922
	2012	1,867	0	-	-	-	-	1,867
	2013	-	-	1,205	3,068	173	-	4,447
	2014	1,934	0	-	-	-	-	1,934
151-1000	1996	NA	19,250	-	-	-	-	19,250
	1997	-	-	61,143	159,155	34,560	40,833	295,691
	1998	57,773	21,038	-	-	-	-	78,811
	1999	-	-	42,942	136,359	19,344	26,288	224,934
	2000	44,981	22,629	-	-	-	-	67,611
	2001	-	-	33,903	72,835	16,061	9,432	132,231
	2002	68,478	10,936	-	-	-	-	79,413
	2003	-	-	31,132	90,256	12,958	16,417	150,763
	2004	39,768	15,534	-	-	-	-	55,302
	2005	-	-	30,713	81,377	15,743	12,624	140,458
	2006	49,043	23,795	-	-	-	-	72,837
	2007	-	-	34,024	103,529	22,616	7,759	167,927
	2008	25,228	24,298	-	-	-	-	49,526
	2009	-	-	10,566	155,884	13,802	16,965	197,216
	2010	23,975	25,847	-	-	-	-	49,822
	2011	-	-	27,914	111,778	11,542	11,035	162,268
2012	20,975	13,468	-	-	-	-	34,443	
2013	-	-	17,830	116,905	11,860	16,800	163,396	
2014	32,277	12,646	-	-	-	-	44,923	

Table 38. -- Relative population weight (RPW) of giant grenadier by depth interval in the Aleutian Islands (AI) and Bering Sea North Pacific Fishery Management Council regulatory areas from National Marine Fisheries Service longline surveys, 1996-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
151-200	1996	0	0	-	-	-	-	0
	1997	-	-	0	0	0	0	0
	1998	0	0	-	-	-	-	0
	1999	-	-	0	0	0	0	0
	2000	0	0	-	-	-	-	0
	2001	-	-	0	0	0	0	0
	2002	0	0	-	-	-	-	0
	2003	-	-	0	0	0	0	0
	2004	0	0	-	-	-	-	0
	2005	-	-	0	0	0	0	0
	2006	0	0	-	-	-	-	0
	2007	-	-	0	0	0	-	0
	2008	0	0	-	-	-	-	0
	2009	-	-	-	0	636	0	636
2010	942	0	-	-	-	-	942	
2011	-	-	0	0	1,010	0	1,010	
2012	0	1,340	-	-	-	-	1,340	
2013	-	-	0	0	0	0	0	
2014	157	0	-	-	-	-	157	
201-300	1996	0	0	-	-	-	-	0
	1997	-	-	63	0	0	0	63
	1998	556	1,977	-	-	-	-	2,533
	1999	-	-	0	0	4,929	2,486	7,415
	2000	0	145	-	-	-	-	145
	2001	-	-	0	895	1,422	2,756	5,073
	2002	4,458	118	-	-	-	-	4,576
	2003	-	-	0	0	2,115	0	2,115
	2004	3,893	406	-	-	-	-	4,300
	2005	-	-	0	365	1,103	12,902	14,371
	2006	0	0	-	-	-	-	0
	2007	-	-	0	0	10,271	89	10,360
	2008	437	5,409	-	-	-	-	5,847
	2009	-	-	-	0	9,211	523	9,734
2010	34,504	969	-	-	-	-	35,474	
2011	-	-	0	0	12,560	1,117	13,677	

Table 38. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
201-300	2012	8,400	11,269	-	-	-	-	19,669
	2013	-	-	0	0	5,364	0	5,364
	2014	9,649	1,793	-	-	-	-	11,441
301-400	1996	0	10,414	-	-	-	-	10,414
	1997	-	-	106	0	5,238	5,724	11,068
	1998	10,016	17,842	-	-	-	-	27,857
	1999	-	-	0	0	11,761	15,468	27,229
	2000	33,552	6,022	-	-	-	-	39,573
	2001	-	-	0	16,650	7,931	16,145	40,726
	2002	35,537	17,551	-	-	-	-	53,088
	2003	-	-	0	24,921	21,188	0	46,109
	2004	79,816	11,488	-	-	-	-	91,304
	2005	-	-	841	19,728	9,824	16,217	46,610
	2006	58,089	5,137	-	-	-	-	63,226
	2007	-	-	0	15,945	22,005	7,102	45,052
	2008	29,631	13,449	-	-	-	-	43,079
	2009	-	-	-	1,544	32,617	19,656	53,817
	2010	108,518	44,839	-	-	-	-	153,357
	2011	-	-	1,284	2,351	9,263	5,532	18,429
	2012	93,764	22,503	-	-	-	-	116,267
2013	-	-	80	0	15,576	10,639	26,295	
2014	88,145	11,762	-	-	-	-	99,907	
401-600	1996	0	137,873	-	-	-	-	137,873
	1997	-	-	3,800	8,334	36,936	63,526	112,597
	1998	130,354	153,039	-	-	-	-	283,393
	1999	-	-	0	10,338	48,731	49,956	109,025
	2000	231,643	181,867	-	-	-	-	413,509
	2001	-	-	10,144	18,916	25,822	38,952	93,835
	2002	225,509	165,007	-	-	-	-	390,516
	2003	-	-	2,713	48,480	37,535	26,212	114,939
	2004	200,945	133,181	-	-	-	-	334,126
	2005	-	-	2,454	46,302	37,275	44,438	130,469
	2006	234,235	121,525	-	-	-	-	355,760
2007	-	-	5,260	26,758	45,656	-	77,674	
2008	142,874	77,768	-	-	-	-	220,642	
2009	-	-	-	23,280	54,397	48,876	126,553	
2010	265,595	95,341	-	-	-	-	360,936	

Table 38. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
401-600	2011	-	-	5,729	28,790	35,728	26,382	96,629
	2012	181,487	77,425	-	-	-	-	258,912
	2013	-	-	11,749	40,705	48,006	86,024	186,484
	2014	309,876	125,436	-	-	-	-	435,312
601-800	1996	0	167,958	-	-	-	-	167,958
	1997	-	-	5,297	93,503	99,280	89,375	287,454
	1998	148,452	173,098	-	-	-	-	321,550
	1999	-	-	1,674	38,733	79,533	86,017	205,956
	2000	164,128	246,016	-	-	-	-	410,144
	2001	-	-	4,713	104,914	68,490	30,302	208,419
	2002	167,922	206,054	-	-	-	-	373,975
	2003	-	-	9,654	98,263	90,615	45,139	243,671
	2004	183,616	200,166	-	-	-	-	383,782
	2005	-	-	5,359	95,619	69,527	78,271	248,775
	2006	210,480	228,237	-	-	-	-	438,717
	2007	-	-	8,942	71,369	94,184	-	174,495
	2008	158,967	156,469	-	-	-	-	315,436
	2009	-	-	1,986	66,702	87,870	86,931	243,489
	2010	240,153	177,982	-	-	-	-	418,135
	2011	-	-	31,441	61,127	72,535	91,029	256,133
2012	175,149	101,457	-	-	-	-	276,606	
2013	-	-	11,797	33,112	103,444	99,620	247,972	
2014	237,119	165,472	-	-	-	-	402,590	
801-1000	1996	0	143,521	-	-	-	-	143,521
	1997	-	-	10,291	137,634	94,984	108,547	351,456
	1998	44,152	167,310	-	-	-	-	211,463
	1999	-	-	908	71,289	56,870	93,158	222,226
	2000	83,297	148,814	-	-	-	-	232,111
	2001	-	-	13,937	36,960	-	-	50,896
	2002	102,724	181,754	-	-	-	-	284,478
	2003	-	-	4,694	-	85,044	41,618	131,356
	2004	151,070	105,733	-	-	-	-	256,803
	2005	-	-	11,316	74,847	88,430	79,638	254,231
	2006	334,048	114,787	-	-	-	-	448,835
	2007	-	-	-	57,951	71,735	-	129,686
2008	0	132,343	-	-	-	-	132,343	
2009	-	-	9,131	-	-	78,456	87,587	

Table 38. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
801-1000	2010	144,516	136,794	-	-	-	-	281,310
	2011	-	-	-	42,474	73,624	73,383	189,481
	2012	155,732	5,286	-	-	-	-	161,018
	2013	-	-	0	70,592	69,020	-	139,612
	2014	240,969	116,476	-	-	-	-	357,444
151-1000	1996	0	459,765	-	-	-	-	459,765
	1997	-	-	19,557	239,471	236,439	267,173	762,639
	1998	333,530	513,266	-	-	-	-	846,796
	1999	-	-	2,582	120,360	201,825	247,085	571,852
	2000	512,619	582,864	-	-	-	-	1,095,483
	2001	-	-	28,794	178,335	103,666	88,155	398,950
	2002	536,150	570,484	-	-	-	-	1,106,633
	2003	-	-	17,060	171,664	236,498	112,968	538,190
	2004	619,340	450,975	-	-	-	-	1,070,315
	2005	-	-	19,971	236,860	206,159	231,467	694,456
	2006	836,852	469,687	-	-	-	-	1,306,539
	2007	-	-	14,202	172,023	243,852	7,191	437,268
	2008	331,909	385,438	-	-	-	-	717,348
	2009	-	-	11,117	91,525	184,732	234,441	521,815
	2010	794,229	455,926	-	-	-	-	1,250,155
2011	-	-	38,453	134,742	204,720	197,442	575,358	
2012	614,531	219,281	-	-	-	-	833,812	
2013	-	-	23,626	144,409	241,409	196,283	605,727	
2014	885,913	420,939	-	-	-	-	1,306,852	

Table 39. -- Relative population weight (RPW) of Greenland turbot by depth interval in the Aleutian Islands (AI) and Bering Sea North Pacific Fishery Management Council regulatory areas from National Marine Fisheries Service longline surveys, 1996-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
151-200	1996	NA	402	-	-	-	-	402
	1997	-	-	682	349	652	451	2,133
	1998	0	220	-	-	-	-	220
	1999	-	-	0	503	573	1,613	2,688
	2000	0	0	-	-	-	-	0
	2001	-	-	0	483	68	1,086	1,637
	2002	0	0	-	-	-	-	0
	2003	-	-	0	0	0	2,968	2,968
	2004	0	0	-	-	-	-	0
	2005	-	-	0	0	239	414	653
	2006	0	0	-	-	-	-	0
	2007	-	-	0	0	1,953	-	1,953
	2008	0	0	-	-	-	-	0
	2009	-	-	-	0	0	246	246
2010	75	0	-	-	-	-	75	
2011	-	-	0	0	72	332	404	
2012	0	0	-	-	-	-	0	
2013	-	-	0	0	0	53	53	
2014	0	0	-	-	-	-	0	
201-300	1996	NA	655	-	-	-	-	655
	1997	-	-	760	1,707	106	4,320	6,894
	1998	4,191	330	-	-	-	-	4,521
	1999	-	-	0	4,930	631	4,146	9,707
	2000	3,525	0	-	-	-	-	3,525
	2001	-	-	0	4,446	0	1,362	5,808
	2002	2,042	1,037	-	-	-	-	3,079
	2003	-	-	0	3,374	183	1,367	4,924
	2004	457	919	-	-	-	-	1,376
	2005	-	-	0	1,453	441	931	2,825
	2006	415	0	-	-	-	-	415
	2007	-	-	0	81	190	1,921	2,192
	2008	307	522	-	-	-	-	829
	2009	-	-	-	5,359	0	1,065	6,424
2010	0	0	-	-	-	-	0	
2011	-	-	0	49	105	319	473	

Table 39. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
201-300	2012	0	0	-	-	-	-	0
	2013	-	-	0	474	287	421	1,182
	2014	0	0	-	-	-	-	0
301-400	1996	NA	1,430	-	-	-	-	1,430
	1997	-	-	380	10,935	2,239	9,932	23,486
	1998	10,146	924	-	-	-	-	11,070
	1999	-	-	0	12,194	536	7,260	19,990
	2000	9,765	171	-	-	-	-	9,936
	2001	-	-	0	16,966	2,356	6,342	25,664
	2002	5,032	3,583	-	-	-	-	8,615
	2003	-	-	404	12,989	954	12,757	27,104
	2004	6,012	1,389	-	-	-	-	7,400
	2005	-	-	156	6,034	623	2,120	8,933
	2006	0	102	-	-	-	-	102
	2007	-	-	0	3,959	74	2,226	6,258
	2008	1,768	650	-	-	-	-	2,418
	2009	-	-	-	5,263	0	1,690	6,953
	2010	417	270	-	-	-	-	687
	2011	-	-	327	1,574	66	73	2,040
	2012	0	0	-	-	-	-	0
2013	-	-	103	2,764	147	335	3,349	
2014	0	0	-	-	-	-	0	
401-600	1996	NA	5,045	-	-	-	-	5,045
	1997	-	-	22,476	39,603	11,544	30,882	104,505
	1998	54,909	5,618	-	-	-	-	60,527
	1999	-	-	10,667	30,907	11,372	15,722	68,668
	2000	21,885	3,430	-	-	-	-	25,315
	2001	-	-	5,510	35,640	9,454	27,257	77,861
	2002	17,617	2,729	-	-	-	-	20,346
	2003	-	-	2,539	31,043	4,280	11,686	49,548
	2004	10,543	2,925	-	-	-	-	13,469
	2005	-	-	3,778	17,595	3,418	6,402	31,193
	2006	7,159	2,974	-	-	-	-	10,133
2007	-	-	1,886	7,965	2,088	-	11,939	
2008	9,639	768	-	-	-	-	10,407	
2009	-	-	-	16,609	752	598	17,959	
2010	3,622	671	-	-	-	-	4,293	

Table 39. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
401-600	2011	-	-	1,700	8,581	626	2,630	13,537
	2012	3,085	432	-	-	-	-	3,516
	2013	-	-	710	4,701	2,646	2,099	10,157
	2014	2,423	544	-	-	-	-	2,967
601-800	1996	NA	4,148	-	-	-	-	4,148
	1997	-	-	38,059	72,480	16,543	17,860	144,942
	1998	37,659	2,667	-	-	-	-	40,327
	1999	-	-	27,638	88,231	15,708	23,096	154,674
	2000	19,778	1,866	-	-	-	-	21,643
	2001	-	-	18,699	33,719	12,273	46,442	111,134
	2002	13,642	1,352	-	-	-	-	14,994
	2003	-	-	19,993	43,460	10,051	28,885	102,389
	2004	13,233	1,850	-	-	-	-	15,083
	2005	-	-	6,020	29,595	5,758	9,235	50,607
	2006	5,252	120	-	-	-	-	5,373
	2007	-	-	4,304	31,827	7,167	-	43,298
	2008	3,532	0	-	-	-	-	3,532
	2009	-	-	5,518	54,199	2,442	7,899	70,057
	2010	2,927	0	-	-	-	-	2,927
	2011	-	-	8,035	26,289	1,936	1,473	37,733
2012	6,618	995	-	-	-	-	7,613	
2013	-	-	5,752	22,791	11,170	4,150	43,862	
2014	7,544	98	-	-	-	-	7,642	
801-1000	1996	NA	624	-	-	-	-	624
	1997	-	-	19,874	9,354	3,600	990	33,817
	1998	11,531	265	-	-	-	-	11,796
	1999	-	-	14,749	14,028	4,705	14,188	47,670
	2000	7,338	1,386	-	-	-	-	8,724
	2001	-	-	5,158	5,647	-	-	10,805
	2002	17,145	509	-	-	-	-	17,654
	2003	-	-	13,020	-	3,759	5,054	21,832
	2004	5,064	0	-	-	-	-	5,064
	2005	-	-	4,113	6,300	0	203	10,616
2006	0	0	-	-	-	-	0	
2007	-	-	-	16,572	1,424	-	17,996	
2008	0	0	-	-	-	-	0	
2009	-	-	6,151	-	-	4,658	10,809	

Table 39. -- Cont.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
801-1000	2010	5,727	0	-	-	-	-	5,727
	2011	-	-	-	1,721	0	727	2,448
	2012	9,936	0	-	-	-	-	9,936
	2013	-	-	4,581	14,252	1,459	-	20,291
	2014	6,131	0	-	-	-	-	6,131
151-1000	1996	NA	12,305	-	-	-	-	12,305
	1997	-	-	82,231	134,428	34,683	64,435	315,778
	1998	118,436	10,024	-	-	-	-	128,460
	1999	-	-	53,054	150,793	33,525	66,025	303,397
	2000	62,291	6,853	-	-	-	-	69,144
	2001	-	-	29,367	96,900	24,150	82,489	232,907
	2002	55,478	9,210	-	-	-	-	64,688
	2003	-	-	35,955	90,866	19,226	62,718	208,765
	2004	35,309	7,083	-	-	-	-	42,392
	2005	-	-	14,067	60,977	10,479	19,305	104,828
	2006	12,826	3,197	-	-	-	-	16,023
	2007	-	-	6,189	60,405	12,897	4,147	83,637
	2008	15,246	1,940	-	-	-	-	17,186
	2009	-	-	11,669	81,429	3,194	16,157	112,448
	2010	12,768	940	-	-	-	-	13,708
	2011	-	-	10,063	38,214	2,805	5,555	56,636
2012	19,639	1,427	-	-	-	-	21,066	
2013	-	-	11,146	44,982	15,709	7,058	78,895	
2014	16,099	642	-	-	-	-	16,740	

Table 40. -- Relative population weight (RPW) of spiny dogfish by depth interval in the Aleutian Islands (AI) and Bering Sea North Pacific Fishery Management Council regulatory areas from National Marine Fisheries Service longline surveys, 2010-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	NE AI Slope	SE AI Slope	Bering Sea 1	Bering Sea 2	Bering Sea 3	Bering Sea 4	Total
151-200	2010	0	0	-	-	-	-	0
	2011	-	-	0	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	0	0
	2014	0	0	-	-	-	-	0
201-300	2010	0	0	-	-	-	-	0
	2011	-	-	0	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	0	0
	2014	0	16	-	-	-	-	16
301-400	2010	0	0	-	-	-	-	0
	2011	-	-	0	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	0	0
	2014	0	0	-	-	-	-	0
401-600	2010	0	0	-	-	-	-	0
	2011	-	-	0	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	0	0
	2014	0	0	-	-	-	-	0
601-800	2010	0	0	-	-	-	-	0
	2011	-	-	0	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	0	0
	2014	0	0	-	-	-	-	0
801-1000	2010	0	0	-	-	-	-	0
	2011	-	-	-	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	-	0
	2014	0	0	-	-	-	-	0
151-1000	2010	0	0	-	-	-	-	0
	2011	-	-	0	0	0	0	0
	2012	0	0	-	-	-	-	0
	2013	-	-	0	0	0	0	0
	2014	0	16	-	-	-	-	16

Table 41. -- Relative population number (RPN) of sablefish by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska (GOA), 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-200	1990	12,674	48,570	174	-	-	-	0	61,418
	1991	4,874	92,111	459	-	0	-	23	97,466
	1992	6,873	101,102	755	-	-	-	0	108,730
	1993	4,412	26,442	610	-	-	-	0	31,464
	1994	1,104	14,155	259	-	-	-	106	15,625
	1995	1,095	35,266	648	-	0	-	191	37,199
	1996	17,267	41,062	33	-	-	-	454	58,815
	1997	0	49,538	252	-	-	-	76	49,867
	1998	4,505	68,284	102	-	-	0	19	72,910
	1999	36,227	54,637	81	-	-	339	20	91,304
	2000	26,397	15,610	143	-	-	-	54	42,204
	2001	45,029	17,427	272	-	-	0	0	62,729
	2002	37,807	47,527	94	-	-	71	192	85,691
	2003	39,157	60,870	60	0	-	-	19	100,105
2004	14,185	35,503	62	-	-	-	23	49,772	
2005	10,501	45,323	207	-	-	-	136	56,168	
2006	10,386	37,854	57	-	-	0	191	48,487	
2007	30,109	30,080	18	-	-	-	232	60,439	
2008	10,325	38,457	53	-	-	-	30	48,865	
2009	2,609	39,312	95	-	-	-	16	42,033	
2010	8,476	50,423	219	-	-	-	139	59,258	
2011	10,708	54,746	324	6,838	-	-	0	72,616	
2012	5,753	36,304	124	-	-	-	278	42,460	
2013	3,466	40,031	48	0	-	-	43	43,588	
2014	615	25,752	0	-	-	-	93	26,460	
201-300	1990	108,253	89,837	15,151	11,424	2,156	2,359	10,181	239,361
	1991	90,958	114,766	9,955	15,774	2,199	2,571	9,305	245,528
	1992	106,727	80,019	11,822	9,098	1,502	1,683	3,201	214,052
	1993	100,714	67,629	13,816	7,945	2,606	1,694	9,913	204,317
	1994	42,147	72,256	4,187	5,500	1,399	352	5,917	131,756
	1995	59,575	53,747	7,111	13,375	1,449	1,048	9,038	145,343
1996	90,743	68,317	5,842	1,200	1,574	1,386	13,680	182,743	
1997	89,645	59,165	6,689	14,543	1,685	1,546	6,868	180,141	
1998	45,687	63,071	6,836	8,437	2,552	1,415	2,389	130,387	
1999	152,288	61,354	5,443	8,791	2,934	3,698	5,942	240,449	

Table 41. -- Cont.

Depth (m)	Central GOA			West Yakutat		East Yakutat/Southeast			Total
	Year	Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
201-300	2000	85,081	45,961	4,430	8,260	1,412	1,216	4,530	150,890
	2001	250,308	54,901	6,515	12,696	2,239	963	4,768	332,391
	2002	139,430	81,217	10,786	5,180	483	1,160	10,217	248,472
	2003	94,108	84,078	4,904	5,224	1,149	803	7,310	197,577
	2004	85,940	68,663	3,018	5,260	1,062	523	9,684	174,150
	2005	52,686	74,512	5,293	8,069	3,862	695	12,695	157,812
	2006	61,009	71,785	4,188	3,717	884	1,779	5,022	148,386
	2007	122,580	55,317	9,036	5,104	1,687	654	8,970	203,349
	2008	101,224	80,123	6,814	6,712	945	1,542	1,145	198,507
	2009	68,528	57,699	6,623	12,245	639	427	3,213	149,373
	2010	58,658	55,474	9,567	8,000	4,914	1,468	8,472	146,554
	2011	73,322	89,465	7,168	10,408	2,384	1,554	1,614	185,915
	2012	60,010	56,953	7,809	4,569	2,142	854	11,977	144,315
	2013	19,287	56,591	6,770	1,270	2,353	866	6,847	93,983
2014	10,636	39,328	4,295	203	2,682	972	6,501	64,618	
301-400	1990	-	-	4,793	8,371	3,901	7,866	9,959	34,889
	1991	-	0	2,351	13,948	4,955	9,869	11,240	42,363
	1992	-	-	2,713	14,579	5,074	8,160	11,563	42,089
	1993	-	-	3,135	12,095	4,242	6,412	10,332	36,216
	1994	-	0	1,061	6,183	4,157	7,148	5,826	24,375
	1995	-	0	2,209	11,429	2,837	8,744	14,154	39,373
	1996	-	0	1,489	2,635	2,473	4,694	9,914	21,205
	1997	-	0	787	9,933	3,280	4,618	9,133	27,752
	1998	-	0	2,833	11,914	3,139	5,169	11,863	34,917
	1999	-	0	1,167	12,710	3,255	6,896	7,994	32,021
	2000	-	0	1,601	6,897	3,478	5,417	12,302	29,695
	2001	-	0	1,352	14,891	3,151	3,617	10,473	33,484
	2002	-	0	2,104	9,506	2,169	5,335	11,027	30,141
	2003	-	0	743	5,940	2,339	8,012	9,446	26,479
	2004	-	0	1,809	9,479	3,195	5,283	12,974	32,739
	2005	-	0	745	6,443	2,963	5,218	13,603	28,972
2006	-	0	505	9,807	2,906	7,278	9,088	29,584	
2007	-	0	4,068	13,691	3,308	5,733	8,637	35,437	
2008	-	0	2,121	8,682	2,928	3,818	8,121	25,670	
2009	-	0	2,358	14,249	3,243	5,118	4,449	29,417	
2010	-	0	2,771	12,526	3,933	6,537	7,089	32,856	

Table 41. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
301-400	2011	-	0	1,033	11,089	4,284	6,608	7,969	30,982
	2012	-	0	1,355	4,116	2,393	3,125	8,330	19,319
	2013	-	0	1,446	2,978	2,529	3,302	6,007	16,262
	2014	-	0	1,877	3,509	3,066	3,526	11,789	23,767
401-600	1990	-	-	-	-	7,038	1,573	791	9,403
	1991	-	0	-	-	8,099	1,974	850	10,922
	1992	-	-	-	-	7,575	1,632	656	9,863
	1993	-	-	-	-	5,273	1,282	725	7,280
	1994	-	-	-	-	5,773	1,430	560	7,762
	1995	-	-	-	-	3,453	1,749	680	5,882
	1996	-	-	-	-	4,074	939	784	5,796
	1997	-	-	-	-	3,876	924	871	5,671
	1998	-	-	-	-	3,647	1,034	872	5,552
	1999	-	-	-	-	4,252	1,379	967	6,598
	2000	-	-	-	-	4,011	1,083	704	5,798
	2001	-	-	-	-	4,938	723	697	6,358
	2002	-	-	-	-	2,690	1,067	759	4,515
	2003	-	-	-	-	4,215	1,602	678	6,495
	2004	-	-	-	-	3,935	1,057	940	5,932
	2005	-	-	-	-	4,873	1,044	851	6,769
	2006	-	-	-	-	3,546	1,456	597	5,599
	2007	-	-	0	-	5,067	1,147	480	6,694
	2008	-	-	-	-	4,476	764	571	5,811
	2009	-	-	-	-	5,451	1,024	514	6,989
2010	-	-	-	-	5,710	1,307	659	7,676	
2011	-	-	-	-	6,134	1,322	596	8,052	
2012	-	-	-	-	4,104	625	770	5,499	
2013	-	-	-	-	3,334	660	705	4,700	
2014	-	-	-	-	4,039	705	786	5,531	
601-800	1990	-	-	-	-	1,169	-	-	1,169
	1991	-	-	-	-	1,345	-	-	1,345
	1992	-	-	-	-	1,258	-	-	1,258
	1993	-	-	-	-	876	-	-	876
	1994	-	-	-	-	959	-	-	959
	1995	-	-	-	-	574	-	-	574
	1996	-	-	-	-	677	-	-	677

Table 41. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
601-800	1997	-	-	-	-	644	-	-	644
	1998	-	-	-	-	606	-	-	606
	1999	-	-	-	-	706	-	-	706
	2000	-	-	-	-	666	-	-	666
	2001	-	-	-	-	820	-	-	820
	2002	-	-	-	-	447	-	-	447
	2003	-	-	-	-	700	-	-	700
	2004	-	-	-	-	654	-	-	654
	2005	-	-	-	-	810	-	-	810
	2006	-	-	-	-	589	-	-	589
	2007	-	-	0	-	842	-	-	842
	2008	-	-	-	-	744	-	-	744
	2009	-	-	-	-	906	-	-	906
	2010	-	-	-	-	949	-	-	949
	2011	-	-	-	-	1,019	-	-	1,019
	2012	-	-	-	-	682	-	-	682
	2013	-	-	-	-	554	-	-	554
	2014	-	-	-	-	671	-	-	671
151-800	1990	120,927	138,407	20,118	19,794	14,264	11,798	20,932	346,240
	1991	95,832	206,877	12,766	29,721	16,598	14,414	21,418	397,626
	1992	113,600	181,120	15,290	23,677	15,409	11,475	15,420	375,993
	1993	105,126	94,071	17,561	20,040	12,997	9,389	20,970	280,154
	1994	43,251	86,411	5,507	11,683	12,287	8,929	12,409	180,477
	1995	60,670	89,013	9,968	24,804	8,312	11,541	24,063	228,371
	1996	108,010	109,379	7,364	3,835	8,797	7,019	24,832	269,236
	1997	89,645	108,704	7,728	24,476	9,485	7,088	16,948	264,074
	1998	50,192	131,355	9,770	20,351	9,943	7,618	15,142	244,372
	1999	188,515	115,991	6,690	21,500	11,147	12,312	14,923	371,078
	2000	111,479	61,571	6,173	15,157	9,567	7,717	17,590	229,254
	2001	295,338	72,328	8,139	27,587	11,149	5,304	15,938	435,783
	2002	177,237	128,744	12,984	14,686	5,789	7,633	22,194	369,267
	2003	133,264	144,948	5,706	11,164	8,404	10,417	17,453	331,356
	2004	100,125	104,165	4,889	14,739	8,846	6,862	23,620	263,247
	2005	63,187	119,835	6,245	14,512	12,508	6,957	27,286	250,530
	2006	71,395	109,639	4,750	13,525	7,925	10,513	14,898	232,644
	2007	152,689	85,397	13,122	18,796	10,903	7,533	18,319	306,760

Table 41. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-800	2008	111,549	118,580	8,988	15,394	9,092	6,124	9,868	279,595
	2009	71,137	97,010	9,076	26,494	10,239	6,569	8,193	228,718
	2010	67,134	105,897	12,558	20,526	15,505	9,312	16,360	247,292
	2011	84,030	144,211	8,525	28,335	13,821	9,483	10,180	298,585
	2012	65,764	93,258	9,288	8,686	9,320	4,604	21,354	212,274
	2013	22,753	96,622	8,264	4,248	8,770	4,828	13,602	159,087
	2014	11,251	65,080	6,172	3,712	10,458	5,203	19,169	121,045

Table 42. -- Relative population number (RPN) of shortspine thornyhead by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska (GOA), 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-200	1990	0	176	0	-	-	-	52	228
	1991	0	306	35	-	0	-	91	432
	1992	0	1,422	0	-	-	-	0	1,422
	1993	0	176	35	-	-	-	0	212
	1994	0	269	7	-	-	-	151	427
	1995	0	652	59	-	0	-	305	1,016
	1996	0	740	5	-	-	-	249	994
	1997	0	440	11	-	-	-	171	623
	1998	0	167	15	-	-	0	0	182
	1999	0	1,182	6	-	-	0	62	1,250
	2000	0	189	18	-	-	-	0	207
	2001	0	383	20	-	-	0	0	403
	2002	0	519	5	-	-	107	19	651
	2003	0	908	0	0	-	-	38	946
	2004	0	313	21	-	-	-	68	402
	2005	0	428	28	-	-	-	45	501
	2006	0	1,358	0	-	-	167	116	1,641
	2007	0	1,465	0	-	-	-	175	1,640
	2008	0	772	0	-	-	-	215	986
	2009	0	2,485	6	-	-	-	132	2,623
2010	0	1,973	0	-	-	-	224	2,198	
2011	160	3,128	0	0	-	-	48	3,336	
2012	0	1,131	0	-	-	-	278	1,409	
2013	0	4,133	0	0	-	-	150	4,283	
2014	0	2,010	0	-	-	-	109	2,119	
201-300	1990	0	2,932	617	1,324	24	601	2,547	8,045
	1991	0	3,438	634	1,888	0	1,879	699	8,539
	1992	0	5,582	741	1,732	107	1,044	1,164	10,369
	1993	0	5,002	593	2,298	74	2,644	1,130	11,741
	1994	0	3,489	653	1,095	76	491	778	6,582
	1995	0	2,874	894	1,228	100	2,158	565	7,819
1996	0	3,858	745	1,142	0	1,980	2,834	10,558	
1997	0	2,203	1,894	1,022	11	1,186	2,612	8,928	
1998	64	2,649	536	863	113	316	1,130	5,671	
1999	22	2,704	854	1,804	58	1,030	1,343	7,815	

Table 42. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
201-300	2000	62	1,489	586	1,388	69	1,271	1,306	6,171
	2001	21	2,874	636	797	25	898	2,616	7,867
	2002	74	2,386	411	1,631	21	631	1,513	6,666
	2003	22	3,090	1,602	1,291	20	504	1,184	7,713
	2004	42	2,514	1,171	1,531	44	939	480	6,719
	2005	319	2,881	1,789	2,172	34	1,022	567	8,785
	2006	246	3,350	1,552	810	47	765	753	7,523
	2007	502	6,627	1,432	1,846	70	1,148	516	12,141
	2008	778	6,871	988	2,303	756	1,430	760	13,884
	2009	843	10,544	1,487	1,945	21	505	1,132	16,477
	2010	1,108	10,278	1,155	2,196	0	1,144	872	16,752
	2011	921	8,414	1,525	1,548	270	876	848	14,402
	2012	483	6,349	1,333	1,550	16	968	613	11,310
	2013	1,096	14,020	1,906	3,324	193	1,477	619	22,634
2014	637	5,822	1,619	2,956	29	1,596	577	13,235	
301-400	1990	-	-	101	544	78	1,467	330	2,519
	1991	-	0	124	384	4	2,264	1,069	3,845
	1992	-	-	118	606	36	1,379	334	2,473
	1993	-	-	109	753	73	2,972	884	4,791
	1994	-	0	209	311	43	1,125	945	2,633
	1995	-	0	214	409	196	2,418	1,457	4,694
	1996	-	0	204	308	238	2,274	1,757	4,781
	1997	-	0	355	698	471	2,723	1,806	6,054
	1998	-	0	57	474	139	1,220	3,226	5,115
	1999	-	0	247	321	441	1,581	1,646	4,236
	2000	-	0	128	773	273	1,763	2,735	5,672
	2001	-	0	202	296	222	2,258	3,193	6,172
	2002	-	0	139	339	67	1,835	2,080	4,461
	2003	-	0	532	380	137	1,335	2,136	4,521
	2004	-	0	406	419	108	1,259	2,219	4,411
	2005	-	0	711	523	195	1,994	1,260	4,682
2006	-	0	479	289	265	1,844	2,088	4,966	
2007	-	0	130	238	190	2,026	2,017	4,601	
2008	-	0	515	659	187	1,957	2,786	6,104	
2009	-	0	237	457	142	2,605	2,422	5,863	
2010	-	0	727	1,002	502	2,017	4,612	8,860	

Table 42. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
301-400	2011	-	0	653	697	168	2,181	1,847	5,546
	2012	-	0	460	666	164	2,574	2,345	6,208
	2013	-	0	745	952	478	3,558	2,169	7,903
	2014	-	0	737	554	196	2,433	2,562	6,481
401-600	1990	-	-	-	-	154	293	22	470
	1991	-	0	-	-	48	453	118	618
	1992	-	-	-	-	408	276	126	811
	1993	-	-	-	-	633	594	40	1,267
	1994	-	-	-	-	301	225	24	550
	1995	-	-	-	-	974	484	106	1,563
	1996	-	-	-	-	1,162	455	63	1,679
	1997	-	-	-	-	1,175	545	66	1,786
	1998	-	-	-	-	836	244	214	1,294
	1999	-	-	-	-	1,047	316	144	1,507
	2000	-	-	-	-	785	353	223	1,361
	2001	-	-	-	-	642	452	102	1,195
	2002	-	-	-	-	451	367	202	1,020
	2003	-	-	-	-	684	267	188	1,139
	2004	-	-	-	-	576	252	118	946
	2005	-	-	-	-	562	399	68	1,028
	2006	-	-	-	-	895	369	141	1,405
	2007	-	-	0	-	739	405	226	1,369
	2008	-	-	-	-	890	391	198	1,479
	2009	-	-	-	-	464	521	176	1,161
2010	-	-	-	-	1,002	403	259	1,665	
2011	-	-	-	-	928	436	95	1,459	
2012	-	-	-	-	469	515	88	1,072	
2013	-	-	-	-	1,516	712	94	2,322	
2014	-	-	-	-	678	487	151	1,316	
601-800	1990	-	-	-	-	26	-	-	26
	1991	-	-	-	-	8	-	-	8
	1992	-	-	-	-	68	-	-	68
	1993	-	-	-	-	105	-	-	105
	1994	-	-	-	-	50	-	-	50
	1995	-	-	-	-	162	-	-	162
	1996	-	-	-	-	193	-	-	193

Table 42. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
601-800	1997	-	-	-	-	195	-	-	195
	1998	-	-	-	-	139	-	-	139
	1999	-	-	-	-	174	-	-	174
	2000	-	-	-	-	130	-	-	130
	2001	-	-	-	-	107	-	-	107
	2002	-	-	-	-	75	-	-	75
	2003	-	-	-	-	114	-	-	114
	2004	-	-	-	-	96	-	-	96
	2005	-	-	-	-	93	-	-	93
	2006	-	-	-	-	149	-	-	149
	2007	-	-	0	-	123	-	-	123
	2008	-	-	-	-	148	-	-	148
	2009	-	-	-	-	77	-	-	77
	2010	-	-	-	-	167	-	-	167
	2011	-	-	-	-	154	-	-	154
2012	-	-	-	-	78	-	-	78	
2013	-	-	-	-	252	-	-	252	
2014	-	-	-	-	113	-	-	113	
151-800	1990	0	3,108	718	1,868	281	2,361	2,951	11,287
	1991	0	3,744	793	2,272	59	4,597	1,976	13,442
	1992	0	7,004	859	2,337	619	2,698	1,625	15,143
	1993	0	5,178	738	3,050	886	6,210	2,054	18,116
	1994	0	3,758	868	1,407	469	1,840	1,899	10,242
	1995	0	3,526	1,167	1,638	1,431	5,059	2,432	15,253
	1996	0	4,597	955	1,450	1,593	4,708	4,903	18,205
	1997	0	2,643	2,259	1,721	1,852	4,454	4,656	17,586
	1998	64	2,815	608	1,336	1,227	1,780	4,570	12,401
	1999	22	3,885	1,107	2,125	1,720	2,927	3,196	14,982
	2000	62	1,678	732	2,161	1,257	3,387	4,263	13,541
	2001	21	3,257	858	1,094	996	3,607	5,910	15,744
	2002	74	2,905	555	1,970	614	2,940	3,814	12,873
	2003	22	3,999	2,134	1,671	954	2,106	3,547	14,433
2004	42	2,828	1,597	1,950	824	2,449	2,885	12,574	
2005	319	3,309	2,529	2,695	884	3,415	1,940	15,090	
2006	246	4,709	2,031	1,099	1,356	3,144	3,099	15,684	
2007	502	8,092	1,562	2,084	1,121	3,579	2,934	19,874	

Table 42. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-800	2008	778	7,642	1,503	2,962	1,980	3,778	3,958	22,602
	2009	843	13,030	1,730	2,402	703	3,631	3,862	26,201
	2010	1,108	12,251	1,882	3,197	1,671	3,565	5,968	29,642
	2011	1,081	11,542	2,178	2,245	1,521	3,493	2,837	24,898
	2012	483	7,480	1,793	2,216	726	4,056	3,324	20,077
	2013	1,096	18,153	2,651	4,276	2,439	5,748	3,032	37,394
	2014	637	7,832	2,356	3,509	1,016	4,516	3,398	23,264

Table 43. -- Relative population number (RPN) of roughey and blackspotted rockfish by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska (GOA), 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Yakutat Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-200	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	36	-	NA	NA	0	36
	1992	1,865	285	23	-	-	-	0	2,173
	1993	1,251	57	47	-	-	-	0	1,356
	1994	0	65	13	-	-	-	0	78
	1995	214	0	11	-	0	-	0	225
	1996	0	157	0	-	-	-	0	157
	1997	0	172	5	-	-	-	0	178
	1998	0	0	0	-	-	0	0	0
	1999	88	38	0	-	-	0	0	127
	2000	194	45	24	-	-	-	0	263
	2001	145	0	0	-	-	0	0	145
	2002	0	108	0	-	-	0	0	108
	2003	181	37	6	0	-	-	0	224
	2004	0	0	0	-	-	-	0	0
	2005	0	0	0	-	-	-	0	0
	2006	92	47	0	-	-	0	0	139
	2007	81	0	0	-	-	-	19	100
	2008	0	0	0	-	-	-	0	0
	2009	0	231	0	-	-	-	0	231
2010	0	98	0	-	-	-	52	150	
2011	0	37	0	0	-	-	0	37	
2012	366	47	0	-	-	-	0	412	
2013	0	0	0	0	-	-	0	0	
2014	410	0	0	-	-	-	0	410	
201-300	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	798	0	258	NA	NA	0	1,055
	1992	190	841	25	1,108	0	0	0	2,164
	1993	1,211	457	0	401	15	26	848	2,957
	1994	365	720	0	332	680	0	424	2,521
	1995	233	2,565	37	446	0	0	0	3,281
	1996	1,072	1,640	29	832	0	295	81	3,949
	1997	680	2,007	39	1,518	274	39	587	5,144
	1998	0	643	15	1,082	57	149	0	1,946
	1999	42	997	0	451	0	0	151	1,641

Table 43. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
201-300	2000	114	905	0	832	0	291	0	2,143
	2001	36	831	0	337	13	186	288	1,691
	2002	193	1,414	0	728	0	0	0	2,336
	2003	0	1,697	0	310	0	542	560	3,109
	2004	41	950	0	1,362	0	109	94	2,556
	2005	81	471	31	334	0	90	0	1,006
	2006	41	606	0	1,307	0	149	0	2,103
	2007	21	555	21	895	14	21	258	1,784
	2008	105	421	0	1,479	0	504	94	2,603
	2009	146	1,227	0	159	0	39	313	1,884
	2010	213	1,483	0	243	0	241	764	2,944
	2011	163	1,866	11	100	0	410	381	2,931
	2012	472	969	0	394	0	90	350	2,274
	2013	0	1,064	0	620	0	67	318	2,069
2014	118	363	0	587	15	575	0	1,658	
301-400	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	0	26	NA	NA	0	26
	1992	-	-	0	29	11	326	58	424
	1993	-	-	0	269	7	1,045	86	1,407
	1994	-	0	0	509	161	421	157	1,248
	1995	-	0	0	714	25	436	111	1,286
	1996	-	0	25	561	17	526	44	1,174
	1997	-	0	5	1,092	138	530	278	2,043
	1998	-	0	0	353	16	219	178	766
	1999	-	0	0	36	4	808	134	981
	2000	-	0	0	1,341	16	1,662	76	3,094
	2001	-	0	0	422	11	552	105	1,090
	2002	-	0	0	617	32	717	43	1,409
	2003	-	0	0	116	7	742	224	1,090
	2004	-	0	0	279	49	508	239	1,075
	2005	-	0	11	574	0	440	261	1,287
	2006	-	0	0	366	63	828	166	1,423
2007	-	0	0	290	22	1,384	503	2,200	
2008	-	0	0	435	106	1,705	394	2,640	
2009	-	0	0	62	63	932	369	1,426	
2010	-	0	0	119	32	1,128	517	1,796	

Table 43. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
301-400	2011	-	0	5	72	22	2,588	240	2,928
	2012	-	0	0	335	4	1,330	182	1,852
	2013	-	0	0	85	9	576	348	1,019
	2014	-	0	0	201	50	1,076	294	1,622
401-600	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	-	-	NA	NA	0	0
	1992	-	-	-	-	0	65	7	72
	1993	-	-	-	-	0	209	0	209
	1994	-	-	-	-	2	84	18	104
	1995	-	-	-	-	0	87	7	95
	1996	-	-	-	-	0	105	4	110
	1997	-	-	-	-	80	106	21	207
	1998	-	-	-	-	13	44	30	87
	1999	-	-	-	-	22	162	6	190
	2000	-	-	-	-	65	332	16	414
	2001	-	-	-	-	4	110	11	126
	2002	-	-	-	-	35	143	5	183
	2003	-	-	-	-	12	148	4	164
	2004	-	-	-	-	4	102	10	116
	2005	-	-	-	-	6	88	4	99
	2006	-	-	-	-	51	166	10	226
	2007	-	-	0	-	4	277	17	298
	2008	-	-	-	-	33	341	27	401
	2009	-	-	-	-	2	186	15	203
2010	-	-	-	-	11	226	9	245	
2011	-	-	-	-	4	518	14	536	
2012	-	-	-	-	13	266	5	284	
2013	-	-	-	-	12	115	0	127	
2014	-	-	-	-	20	215	18	253	
601-800	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	-	-	-	NA	NA	-	0
	1992	-	-	-	-	0	-	-	0
	1993	-	-	-	-	0	-	-	0
	1994	-	-	-	-	0	-	-	0
	1995	-	-	-	-	0	-	-	0
	1996	-	-	-	-	0	-	-	0

Table 43. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
601-800	1997	-	-	-	-	13	-	-	13
	1998	-	-	-	-	2	-	-	2
	1999	-	-	-	-	4	-	-	4
	2000	-	-	-	-	11	-	-	11
	2001	-	-	-	-	1	-	-	1
	2002	-	-	-	-	6	-	-	6
	2003	-	-	-	-	2	-	-	2
	2004	-	-	-	-	1	-	-	1
	2005	-	-	-	-	1	-	-	1
	2006	-	-	-	-	8	-	-	8
	2007	-	-	0	-	1	-	-	1
	2008	-	-	-	-	5	-	-	5
	2009	-	-	-	-	0	-	-	0
	2010	-	-	-	-	2	-	-	2
	2011	-	-	-	-	1	-	-	1
2012	-	-	-	-	2	-	-	2	
2013	-	-	-	-	2	-	-	2	
2014	-	-	-	-	3	-	-	3	
151-800	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	798	36	283	NA	NA	0	1,117
	1992	2,055	1,126	48	1,137	11	391	65	4,832
	1993	2,462	515	47	669	22	1,280	933	5,929
	1994	365	784	13	841	844	505	598	3,951
	1995	447	2,565	48	1,160	25	523	118	4,886
	1996	1,072	1,797	54	1,393	17	927	129	5,389
	1997	680	2,179	50	2,610	505	675	886	7,585
	1998	0	643	15	1,435	88	412	208	2,801
	1999	131	1,035	0	487	29	970	291	2,942
	2000	308	951	24	2,173	92	2,285	92	5,925
	2001	181	831	0	759	29	849	403	3,052
	2002	193	1,522	0	1,345	74	860	48	4,042
	2003	181	1,734	6	426	22	1,432	789	4,589
2004	41	950	0	1,642	54	718	343	3,747	
2005	81	471	41	908	8	619	266	2,393	
2006	133	653	0	1,673	122	1,142	176	3,899	
2007	102	555	21	1,185	41	1,682	797	4,383	

Table 43. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-800	2008	105	421	0	1,914	145	2,550	516	5,651
	2009	146	1,459	0	221	65	1,157	697	3,744
	2010	213	1,581	0	362	44	1,595	1,342	5,137
	2011	163	1,903	16	171	28	3,516	636	6,433
	2012	838	1,015	0	729	19	1,686	537	4,824
	2013	0	1,064	0	705	23	758	666	3,216
	2014	529	363	0	788	89	1,866	311	3,946

Table 44. -- Relative population number (RPN) of shortraker rockfish by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska (GOA), 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Yakutat Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-200	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	0	-	NA	NA	0	0
	1992	0	0	6	-	-	-	0	6
	1993	0	0	0	-	-	-	0	0
	1994	0	0	0	-	-	-	0	0
	1995	0	0	0	-	0	-	0	0
	1996	88	0	0	-	-	-	0	88
	1997	0	0	0	-	-	-	0	0
	1998	0	0	0	-	-	0	0	0
	1999	0	0	0	-	-	0	0	0
	2000	0	0	0	-	-	-	0	0
	2001	0	0	0	-	-	0	0	0
	2002	0	0	0	-	-	0	0	0
	2003	0	0	0	0	-	-	0	0
	2004	0	0	0	-	-	-	0	0
	2005	0	0	0	-	-	-	0	0
	2006	0	0	0	-	-	0	0	0
	2007	0	0	0	-	-	-	0	0
	2008	0	0	0	-	-	-	0	0
	2009	0	0	0	-	-	-	0	0
	2010	0	0	0	-	-	-	0	0
	2011	0	0	0	0	-	-	0	0
	2012	0	0	0	-	-	-	0	0
	2013	0	0	0	0	-	-	0	0
2014	103	0	0	-	-	-	0	103	
201-300	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	0	221	NA	NA	0	221
	1992	0	0	0	190	0	0	0	190
	1993	21	0	78	96	0	0	0	195
	1994	32	0	63	111	0	0	0	206
	1995	0	21	32	185	36	0	0	274
	1996	48	138	43	192	11	23	202	656
	1997	80	94	29	320	0	0	147	670
	1998	0	72	47	66	0	19	118	321
	1999	70	90	185	16	0	18	0	380

Table 44. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
201-300	2000	0	18	36	196	0	0	0	249
	2001	0	0	111	304	0	0	230	645
	2002	0	0	90	599	0	0	0	689
	2003	0	0	12	362	0	0	0	374
	2004	0	0	64	465	0	0	0	529
	2005	0	33	458	159	63	0	94	807
	2006	29	27	183	101	0	0	126	465
	2007	0	37	149	208	0	0	258	652
	2008	27	204	1,060	341	0	42	0	1,675
	2009	0	99	305	80	0	0	0	484
	2010	0	157	61	49	0	0	0	267
	2011	0	174	112	116	0	0	0	402
	2012	0	367	59	230	0	36	0	692
	2013	0	94	16	56	0	0	0	167
2014	33	153	36	503	44	24	0	793	
301-400	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	0	103	NA	NA	0	103
	1992	-	-	0	96	7	136	0	239
	1993	-	-	11	70	41	101	0	223
	1994	-	0	0	0	29	63	0	93
	1995	-	0	0	0	112	170	0	282
	1996	-	0	0	0	97	149	44	290
	1997	-	0	0	60	80	105	55	299
	1998	-	0	21	21	162	169	30	404
	1999	-	0	5	238	80	327	209	859
	2000	-	0	21	147	53	528	170	920
	2001	-	0	52	10	71	111	42	284
	2002	-	0	15	77	121	320	86	620
	2003	-	0	5	84	7	251	90	438
	2004	-	0	44	90	77	269	54	534
	2005	-	0	16	396	57	186	27	681
	2006	-	0	25	20	24	151	33	254
2007	-	0	58	0	39	383	84	565	
2008	-	0	668	135	31	299	216	1,349	
2009	-	0	111	10	44	256	65	487	
2010	-	0	70	50	4	176	21	321	

Table 44. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
301-400	2011	-	0	26	144	111	472	0	752
	2012	-	0	102	49	66	114	0	331
	2013	-	0	24	246	24	184	46	524
	2014	-	0	13	159	12	266	0	450
401-600	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	-	-	NA	NA	0	0
	1992	-	-	-	-	20	27	0	47
	1993	-	-	-	-	44	20	1	65
	1994	-	-	-	-	44	13	7	63
	1995	-	-	-	-	45	34	0	79
	1996	-	-	-	-	52	30	14	96
	1997	-	-	-	-	168	21	6	195
	1998	-	-	-	-	138	34	3	174
	1999	-	-	-	-	95	65	4	164
	2000	-	-	-	-	214	106	5	324
	2001	-	-	-	-	190	22	0	212
	2002	-	-	-	-	111	64	6	182
	2003	-	-	-	-	33	50	37	120
	2004	-	-	-	-	101	54	3	158
	2005	-	-	-	-	29	37	0	66
	2006	-	-	-	-	115	30	2	147
	2007	-	-	0	-	114	77	1	191
	2008	-	-	-	-	136	60	4	199
	2009	-	-	-	-	25	51	12	89
2010	-	-	-	-	185	35	1	221	
2011	-	-	-	-	114	94	1	209	
2012	-	-	-	-	121	23	0	143	
2013	-	-	-	-	59	37	0	96	
2014	-	-	-	-	79	53	0	132	
601-800	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	-	-	-	NA	NA	-	0
	1992	-	-	-	-	3	-	-	3
	1993	-	-	-	-	7	-	-	7
	1994	-	-	-	-	7	-	-	7
	1995	-	-	-	-	7	-	-	7
	1996	-	-	-	-	9	-	-	9

Table 44. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
601-800	1997	-	-	-	-	28	-	-	28
	1998	-	-	-	-	23	-	-	23
	1999	-	-	-	-	16	-	-	16
	2000	-	-	-	-	35	-	-	35
	2001	-	-	-	-	32	-	-	32
	2002	-	-	-	-	19	-	-	19
	2003	-	-	-	-	5	-	-	5
	2004	-	-	-	-	17	-	-	17
	2005	-	-	-	-	5	-	-	5
	2006	-	-	-	-	19	-	-	19
	2007	-	-	0	-	19	-	-	19
	2008	-	-	-	-	23	-	-	23
	2009	-	-	-	-	4	-	-	4
	2010	-	-	-	-	31	-	-	31
2011	-	-	-	-	19	-	-	19	
2012	-	-	-	-	20	-	-	20	
2013	-	-	-	-	10	-	-	10	
2014	-	-	-	-	13	-	-	13	
151-800	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	0	324	NA	NA	0	324
	1992	0	0	6	286	31	163	0	486
	1993	21	0	89	166	92	121	1	490
	1994	32	0	63	111	81	76	7	369
	1995	0	21	32	185	200	204	0	641
	1996	136	138	43	192	169	202	260	1,139
	1997	80	94	29	379	276	126	208	1,192
	1998	0	72	67	87	323	222	151	922
	1999	70	90	190	254	190	411	213	1,419
	2000	0	18	57	343	303	634	175	1,528
	2001	0	0	163	313	292	133	272	1,173
	2002	0	0	106	676	251	384	93	1,509
	2003	0	0	17	446	45	301	127	937
2004	0	0	108	555	195	322	58	1,237	
2005	0	33	474	555	153	223	121	1,558	
2006	29	27	208	121	158	181	161	886	
2007	0	37	207	208	172	460	343	1,427	

Table 44. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-800	2008	27	204	1,728	477	190	401	220	3,246
	2009	0	99	416	90	74	307	77	1,063
	2010	0	157	132	98	219	212	21	839
	2011	0	174	138	260	243	567	1	1,382
	2012	0	367	161	279	207	172	0	1,186
	2013	0	94	40	302	93	221	46	797
	2014	135	153	49	662	148	343	0	1,490

Table 45. -- Relative population number (RPN) of Pacific cod by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska (GOA), 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-200	1990	55,882	5,227	38	-	-	-	1,647	62,793
	1991	71,944	3,656	203	-	0	-	665	76,468
	1992	29,463	2,587	127	-	-	-	1,526	33,702
	1993	46,258	2,855	35	-	-	-	523	49,671
	1994	49,168	535	13	-	-	-	639	50,356
	1995	41,799	3,304	80	-	0	-	1,097	46,280
	1996	51,729	13,217	11	-	-	-	2,107	67,064
	1997	33,728	22,283	11	-	-	-	2,501	58,522
	1998	17,548	6,185	5	-	-	250	1,338	25,326
	1999	29,066	1,907	0	-	-	1,467	2,425	34,866
	2000	15,241	2,515	18	-	-	-	2,283	20,057
	2001	5,769	126	7	-	-	523	1,787	8,212
	2002	12,358	696	0	-	-	360	2,302	15,717
	2003	35,758	2,524	0	0	-	-	2,937	41,219
2004	26,215	1,338	0	-	-	-	2,199	29,751	
2005	55,013	581	6	-	-	-	1,434	57,034	
2006	38,648	370	0	-	-	2,000	1,947	42,964	
2007	27,281	2,377	6	-	-	-	1,805	31,470	
2008	63,482	4,028	15	-	-	-	1,826	69,352	
2009	71,009	1,512	0	-	-	-	3,217	75,738	
2010	27,912	948	0	-	-	-	2,609	31,469	
2011	32,287	3,637	8	0	-	-	3,865	39,797	
2012	41,132	822	0	-	-	-	2,525	44,479	
2013	18,143	885	0	0	-	-	1,898	20,926	
2014	68,403	2,823	25	-	-	-	3,365	74,617	
201-300	1990	115,820	1,513	0	65	0	1,145	435	118,978
	1991	123,940	1,185	91	211	22	587	1,659	127,696
	1992	114,356	3,079	259	217	0	961	2,571	121,442
	1993	136,762	880	74	349	15	1,021	1,130	140,230
	1994	64,915	507	0	66	0	1,005	355	66,848
	1995	117,682	2,428	44	15	0	736	852	121,756
1996	118,566	4,612	11	30	22	231	852	124,324	
1997	88,420	25,363	28	0	11	764	2,796	117,381	
1998	61,424	8,460	76	0	0	373	1,593	71,925	
1999	42,096	2,382	11	16	0	994	1,550	47,049	

Table 45. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
201-300	2000	15,397	1,405	0	0	14	616	697	18,130
	2001	18,724	141	0	0	0	275	1,663	20,803
	2002	43,588	142	0	17	0	458	1,381	45,586
	2003	62,397	1,600	0	0	0	728	3,568	68,293
	2004	51,888	5,065	0	0	0	611	3,145	60,709
	2005	14,802	496	87	0	0	663	1,796	17,843
	2006	10,949	592	0	0	0	913	251	12,705
	2007	30,790	768	13	0	0	927	1,543	34,041
	2008	28,711	637	51	0	0	159	471	30,030
	2009	93,651	1,217	0	0	0	1,258	1,135	97,261
	2010	96,710	238	20	0	32	416	1,658	99,072
	2011	62,111	1,699	23	17	0	815	2,551	67,217
	2012	61,287	961	19	0	0	757	1,482	64,506
	2013	55,608	660	52	0	0	519	1,181	58,020
2014	61,424	3,989	18	54	0	428	3,824	69,737	
301-400	1990	-	-	0	0	0	127	8	135
	1991	-	0	0	0	0	87	48	134
	1992	-	-	0	0	0	253	60	313
	1993	-	-	0	0	0	197	228	424
	1994	-	0	0	0	0	110	19	129
	1995	-	0	0	0	0	35	0	35
	1996	-	0	0	0	0	18	15	32
	1997	-	0	0	0	0	128	8	137
	1998	-	0	0	0	0	110	52	163
	1999	-	0	0	0	0	257	198	455
	2000	-	0	0	0	0	21	10	31
	2001	-	0	0	0	0	0	9	9
	2002	-	0	0	0	0	11	32	43
	2003	-	0	0	0	0	0	23	23
	2004	-	0	0	0	0	6	0	6
	2005	-	0	0	0	0	0	0	0
	2006	-	0	0	0	0	0	0	0
2007	-	0	0	0	0	6	21	27	
2008	-	0	0	0	0	0	0	0	
2009	-	0	0	0	0	12	55	67	
2010	-	0	0	0	0	11	0	11	

Table 45. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
301-400	2011	-	0	0	0	0	40	0	40
	2012	-	0	0	0	0	67	40	107
	2013	-	0	0	0	0	66	40	106
	2014	-	0	0	0	0	44	42	86
401-600	1990	-	-	-	-	0	25	0	25
	1991	-	0	-	-	0	17	0	17
	1992	-	-	-	-	0	51	3	54
	1993	-	-	-	-	0	39	13	53
	1994	-	-	-	-	0	22	1	23
	1995	-	-	-	-	0	7	0	7
	1996	-	-	-	-	0	4	0	4
	1997	-	-	-	-	0	26	3	29
	1998	-	-	-	-	0	22	1	23
	1999	-	-	-	-	0	51	0	51
	2000	-	-	-	-	0	4	0	4
	2001	-	-	-	-	0	0	0	0
	2002	-	-	-	-	0	2	0	2
	2003	-	-	-	-	0	0	0	0
	2004	-	-	-	-	0	1	1	2
	2005	-	-	-	-	0	0	1	1
	2006	-	-	-	-	0	0	1	1
	2007	-	-	0	-	0	1	0	1
	2008	-	-	-	-	0	0	0	0
	2009	-	-	-	-	0	2	1	3
2010	-	-	-	-	0	2	0	2	
2011	-	-	-	-	0	8	1	9	
2012	-	-	-	-	0	13	2	15	
2013	-	-	-	-	0	13	0	13	
2014	-	-	-	-	0	9	1	10	
601-800	1990	-	-	-	-	0	-	-	0
	1991	-	-	-	-	0	-	-	0
	1992	-	-	-	-	0	-	-	0
	1993	-	-	-	-	0	-	-	0
	1994	-	-	-	-	0	-	-	0
	1995	-	-	-	-	0	-	-	0
	1996	-	-	-	-	0	-	-	0

Table 45. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
601-800	1997	-	-	-	-	0	-	-	0
	1998	-	-	-	-	0	-	-	0
	1999	-	-	-	-	0	-	-	0
	2000	-	-	-	-	0	-	-	0
	2001	-	-	-	-	0	-	-	0
	2002	-	-	-	-	0	-	-	0
	2003	-	-	-	-	0	-	-	0
	2004	-	-	-	-	0	-	-	0
	2005	-	-	-	-	0	-	-	0
	2006	-	-	-	-	0	-	-	0
	2007	-	-	0	-	0	-	-	0
	2008	-	-	-	-	0	-	-	0
	2009	-	-	-	-	0	-	-	0
	2010	-	-	-	-	0	-	-	0
	2011	-	-	-	-	0	-	-	0
	2012	-	-	-	-	0	-	-	0
	2013	-	-	-	-	0	-	-	0
	2014	-	-	-	-	0	-	-	0
151-800	1990	171,701	6,740	38	65	0	1,297	2,089	181,930
	1991	195,884	4,841	294	211	22	691	2,372	204,315
	1992	143,819	5,666	386	217	0	1,264	4,159	155,511
	1993	183,019	3,734	109	349	15	1,257	1,894	190,378
	1994	114,084	1,042	13	66	0	1,137	1,014	117,356
	1995	159,481	5,732	124	15	0	778	1,949	168,078
	1996	170,294	17,829	23	30	22	252	2,974	191,424
	1997	122,147	47,646	39	0	11	918	5,308	176,069
	1998	78,972	14,645	81	0	0	755	2,984	97,436
	1999	71,162	4,289	11	16	0	2,769	4,174	82,422
	2000	30,638	3,920	18	0	14	642	2,990	38,222
	2001	24,493	267	7	0	0	798	3,458	29,024
	2002	55,945	838	0	17	0	832	3,716	61,348
	2003	98,155	4,124	0	0	0	728	6,528	109,535
	2004	78,102	6,403	0	0	0	618	5,345	90,468
	2005	69,815	1,078	92	0	0	663	3,231	74,878
	2006	49,596	961	0	0	0	2,913	2,199	55,669
	2007	58,071	3,145	19	0	0	935	3,370	65,539

Table 45. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-800	2008	92,193	4,666	66	0	0	159	2,297	99,381
	2009	164,660	2,728	0	0	0	1,272	4,407	173,068
	2010	124,621	1,185	20	0	32	429	4,267	130,554
	2011	94,398	5,336	31	17	0	862	6,417	107,062
	2012	102,418	1,784	19	0	0	838	4,048	109,108
	2013	73,752	1,545	52	0	0	597	3,119	79,065
	2014	129,827	6,813	43	54	0	480	7,232	144,449

Table 46. -- Relative population number (RPN) of arrowtooth flounder by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska (GOA), 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Yakutat Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-200	1990	16,306	4,748	340	-	-	-	778	22,173
	1991	22,498	1,911	293	-	0	-	114	24,815
	1992	28,101	4,745	732	-	-	-	179	33,756
	1993	45,779	1,634	239	-	-	-	52	47,703
	1994	20,421	296	20	-	-	-	1,453	22,190
	1995	24,644	1,755	48	-	0	-	2,582	29,030
	1996	13,496	2,970	50	-	-	-	478	16,994
	1997	12,930	2,894	48	-	-	-	481	16,353
	1998	10,119	7,112	5	-	-	250	76	17,562
	1999	27,504	1,832	56	-	-	131	124	29,647
	2000	19,362	1,415	77	-	-	-	240	21,094
	2001	4,705	692	41	-	-	0	337	5,774
	2002	4,325	3,972	0	-	-	37	458	8,792
	2003	11,287	3,643	12	0	-	-	78	15,020
	2004	20,849	973	21	-	-	-	136	21,978
	2005	9,872	897	41	-	-	-	45	10,855
	2006	26,984	2,436	0	-	-	167	118	29,704
	2007	25,508	7,024	0	-	-	-	293	32,825
	2008	8,693	2,866	0	-	-	-	272	11,830
	2009	14,199	13,792	13	-	-	-	166	28,170
2010	36,175	7,304	16	-	-	-	328	43,823	
2011	17,159	2,194	171	760	-	-	610	20,894	
2012	12,224	2,648	28	-	-	-	234	15,134	
2013	21,863	3,365	0	0	-	-	87	25,315	
2014	9,131	5,145	13	-	-	-	163	14,453	
201-300	1990	62,346	12,167	523	1,848	47	1,383	1,581	79,895
	1991	52,226	5,605	1,050	2,046	0	1,967	524	63,417
	1992	34,402	10,259	1,413	3,383	260	594	659	50,969
	1993	61,186	5,891	831	2,015	499	1,149	1,130	72,700
	1994	29,878	5,886	298	639	113	284	1,565	38,664
	1995	72,426	5,300	1,570	2,612	163	620	2,947	85,638
1996	36,746	9,345	163	1,016	168	2,505	1,802	51,747	
1997	32,586	9,891	877	1,390	63	332	2,818	47,957	
1998	34,748	15,018	797	2,282	302	484	2,260	55,892	
1999	65,108	11,266	774	1,964	1,021	901	2,023	83,057	

Table 46. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
201-300	2000	39,671	9,288	266	1,225	41	1,701	1,829	54,020
	2001	42,043	5,354	877	656	178	864	3,834	53,804
	2002	18,696	9,592	440	1,294	0	456	2,529	33,005
	2003	24,803	4,504	147	675	38	1,175	1,020	32,362
	2004	47,051	5,324	78	797	44	437	957	54,686
	2005	36,841	2,892	298	577	32	511	473	41,622
	2006	53,517	6,519	75	463	97	1,260	628	62,559
	2007	52,444	8,701	334	1,170	122	2,358	927	66,056
	2008	49,371	5,192	255	1,382	662	1,294	960	59,115
	2009	36,265	7,597	270	1,151	87	1,133	2,902	49,405
	2010	41,935	6,514	178	1,226	147	2,744	3,704	56,448
	2011	42,102	8,054	339	433	322	1,108	4,349	56,706
	2012	13,297	2,937	780	643	110	108	1,148	19,023
	2013	33,887	3,332	171	494	276	917	1,269	40,347
2014	20,081	10,686	266	1,294	29	1,229	2,167	35,752	
301-400	1990	-	-	123	469	21	834	142	1,588
	1991	-	0	82	422	5	782	285	1,577
	1992	-	-	98	1,523	107	430	415	2,572
	1993	-	-	45	723	148	1,087	798	2,800
	1994	-	0	139	615	236	476	862	2,329
	1995	-	0	234	493	174	571	101	1,573
	1996	-	0	15	153	61	803	177	1,210
	1997	-	0	119	1,209	90	709	231	2,358
	1998	-	0	73	1,749	55	1,236	364	3,477
	1999	-	0	173	577	358	1,160	753	3,021
	2000	-	0	50	1,614	173	1,365	947	4,149
	2001	-	0	11	249	116	1,141	917	2,434
	2002	-	0	26	562	146	878	668	2,280
	2003	-	0	20	151	77	1,967	524	2,739
	2004	-	0	3	60	7	329	151	550
	2005	-	0	36	155	11	220	74	496
	2006	-	0	5	268	35	726	397	1,431
2007	-	0	77	331	73	1,548	624	2,653	
2008	-	0	17	263	262	855	220	1,615	
2009	-	0	16	169	260	1,433	784	2,662	
2010	-	0	39	701	206	1,098	601	2,644	

Table 46. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
301-400	2011	-	0	26	155	275	619	752	1,827
	2012	-	0	57	415	165	218	342	1,197
	2013	-	0	18	458	149	442	380	1,448
	2014	-	0	5	206	61	794	579	1,645
401-600	1990	-	-	-	-	45	167	3	214
	1991	-	0	-	-	13	156	18	188
	1992	-	-	-	-	162	86	15	263
	1993	-	-	-	-	159	217	50	427
	1994	-	-	-	-	37	95	21	153
	1995	-	-	-	-	133	114	3	250
	1996	-	-	-	-	62	161	3	225
	1997	-	-	-	-	132	142	2	276
	1998	-	-	-	-	105	247	17	369
	1999	-	-	-	-	241	232	50	523
	2000	-	-	-	-	155	273	61	489
	2001	-	-	-	-	96	228	28	352
	2002	-	-	-	-	29	176	29	234
	2003	-	-	-	-	76	393	17	486
	2004	-	-	-	-	2	66	13	81
	2005	-	-	-	-	4	44	2	50
	2006	-	-	-	-	31	145	8	184
	2007	-	-	0	-	154	310	25	488
	2008	-	-	-	-	116	171	13	300
	2009	-	-	-	-	79	287	20	386
2010	-	-	-	-	94	220	46	360	
2011	-	-	-	-	110	124	91	325	
2012	-	-	-	-	74	44	11	129	
2013	-	-	-	-	50	88	0	139	
2014	-	-	-	-	73	159	16	248	
601-800	1990	-	-	-	-	7	-	-	7
	1991	-	-	-	-	2	-	-	2
	1992	-	-	-	-	27	-	-	27
	1993	-	-	-	-	26	-	-	26
	1994	-	-	-	-	6	-	-	6
	1995	-	-	-	-	22	-	-	22
	1996	-	-	-	-	10	-	-	10

Table 46. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
601-800	1997	-	-	-	-	22	-	-	22
	1998	-	-	-	-	17	-	-	17
	1999	-	-	-	-	40	-	-	40
	2000	-	-	-	-	26	-	-	26
	2001	-	-	-	-	16	-	-	16
	2002	-	-	-	-	5	-	-	5
	2003	-	-	-	-	13	-	-	13
	2004	-	-	-	-	0	-	-	0
	2005	-	-	-	-	1	-	-	1
	2006	-	-	-	-	5	-	-	5
	2007	-	-	0	-	26	-	-	26
	2008	-	-	-	-	19	-	-	19
	2009	-	-	-	-	13	-	-	13
	2010	-	-	-	-	16	-	-	16
2011	-	-	-	-	18	-	-	18	
2012	-	-	-	-	12	-	-	12	
2013	-	-	-	-	8	-	-	8	
2014	-	-	-	-	12	-	-	12	
151-800	1990	78,652	16,915	987	2,317	120	2,383	2,504	103,877
	1991	74,724	7,515	1,425	2,469	21	2,905	941	90,000
	1992	62,502	15,004	2,244	4,906	555	1,109	1,267	87,587
	1993	106,964	7,525	1,115	2,738	833	2,453	2,029	123,657
	1994	50,298	6,183	457	1,255	393	856	3,902	63,342
	1995	97,070	7,055	1,851	3,105	493	1,305	5,634	116,513
	1996	50,243	12,315	228	1,169	301	3,470	2,461	70,186
	1997	45,516	12,785	1,044	2,598	307	1,183	3,532	66,966
	1998	44,867	22,130	875	4,032	479	2,217	2,717	77,317
	1999	92,612	13,098	1,003	2,542	1,660	2,425	2,949	116,289
	2000	59,033	10,703	393	2,838	395	3,338	3,078	79,778
	2001	46,748	6,045	929	905	406	2,233	5,115	62,381
	2002	23,021	13,563	465	1,856	179	1,547	3,684	44,315
	2003	36,089	8,147	179	826	203	3,535	1,639	50,619
2004	67,900	6,296	101	857	53	831	1,257	77,296	
2005	46,713	3,788	375	732	47	775	594	53,024	
2006	80,501	8,955	80	731	168	2,298	1,151	93,883	
2007	77,952	15,725	411	1,501	375	4,215	1,869	102,048	

Table 46. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-800	2008	58,063	8,058	271	1,645	1,059	2,319	1,464	72,880
	2009	50,464	21,389	299	1,320	439	2,853	3,872	80,637
	2010	78,110	13,818	233	1,926	463	4,061	4,678	103,290
	2011	59,261	10,247	536	1,348	725	1,851	5,802	79,769
	2012	25,521	5,585	865	1,059	362	370	1,735	35,496
	2013	55,751	6,697	189	952	484	1,448	1,736	67,257
	2014	29,212	15,832	285	1,500	175	2,182	2,926	52,110

Table 47. -- Relative population number (RPN) of Pacific halibut by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska (GOA), 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Yakutat Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-200	1990	7,387	4,904	522	-	-	-	956	13,770
	1991	12,086	5,668	269	-	0	-	1,304	19,328
	1992	5,553	3,831	1,076	-	-	-	470	10,930
	1993	6,423	5,574	400	-	-	-	421	12,818
	1994	12,942	1,781	159	-	-	-	1,393	16,276
	1995	12,740	3,837	529	-	0	-	822	17,927
	1996	10,893	8,671	488	-	-	-	658	20,711
	1997	23,169	5,169	205	-	-	-	289	28,832
	1998	6,160	5,465	174	-	-	0	248	12,046
	1999	10,635	2,460	238	-	-	429	414	14,176
	2000	4,931	3,712	434	-	-	-	607	9,685
	2001	3,405	4,958	141	-	-	785	804	10,093
	2002	5,286	9,116	115	-	-	794	673	15,984
	2003	3,371	5,592	312	4,084	-	-	326	13,684
	2004	9,388	3,711	63	-	-	-	500	13,662
	2005	900	4,581	197	-	-	-	385	6,064
	2006	10,074	2,825	114	-	-	333	653	14,000
	2007	17,011	4,146	190	-	-	-	310	21,658
	2008	6,382	2,828	273	-	-	-	302	9,784
	2009	4,573	2,909	88	-	-	-	364	7,934
2010	3,331	4,828	133	-	-	-	259	8,551	
2011	4,311	7,517	607	760	-	-	982	14,177	
2012	5,901	8,112	231	-	-	-	2,137	16,381	
2013	8,359	3,691	320	1,176	-	-	851	14,399	
2014	10,152	5,869	236	-	-	-	531	16,787	
201-300	1990	20,855	5,601	872	1,514	95	623	2,351	31,911
	1991	32,294	6,463	1,940	1,312	173	1,445	2,005	45,632
	1992	26,333	4,197	1,193	2,555	238	1,197	3,839	39,551
	1993	18,597	4,746	1,196	2,602	586	1,177	6,536	35,439
	1994	22,205	3,427	717	624	265	674	10,472	38,384
	1995	30,337	8,379	464	1,095	307	1,146	1,618	43,347
	1996	36,684	5,585	365	685	170	742	565	44,796
	1997	45,122	6,931	667	820	242	920	2,385	57,087
	1998	25,723	5,831	161	882	76	74	791	33,539
1999	33,597	6,769	185	805	177	236	1,697	43,466	

Table 47. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
201-300	2000	27,837	4,143	618	1,468	95	427	1,047	35,634
	2001	20,174	9,583	465	883	227	225	1,859	33,415
	2002	21,475	6,050	565	1,243	567	952	885	31,738
	2003	25,546	3,903	324	1,161	249	2,093	3,493	36,770
	2004	21,939	4,398	165	1,103	685	784	1,793	30,867
	2005	19,767	2,123	245	544	95	1,334	1,136	25,245
	2006	12,637	4,023	175	643	359	1,048	3,139	22,024
	2007	25,546	4,538	640	713	243	1,057	4,959	37,697
	2008	22,412	2,767	739	800	284	454	983	28,439
	2009	10,371	2,872	379	956	1,090	1,941	1,961	19,570
	2010	6,536	6,394	99	562	84	652	1,350	15,677
	2011	9,557	5,400	140	658	603	1,396	2,085	19,840
	2012	13,133	3,023	312	790	756	1,847	4,227	24,087
	2013	23,062	3,863	179	656	76	3,374	1,381	32,592
2014	33,335	6,047	321	809	571	1,007	2,237	44,328	
301-400	1990	-	-	225	509	23	315	292	1,364
	1991	-	0	592	292	20	825	529	2,258
	1992	-	-	279	261	46	971	1,353	2,911
	1993	-	-	394	748	32	533	1,271	2,977
	1994	-	0	193	414	108	404	2,389	3,508
	1995	-	0	172	324	63	431	619	1,610
	1996	-	0	69	172	42	513	325	1,122
	1997	-	0	165	399	80	371	635	1,650
	1998	-	0	156	276	80	250	234	996
	1999	-	0	37	213	39	211	399	899
	2000	-	0	28	492	9	188	642	1,360
	2001	-	0	23	201	31	139	567	961
	2002	-	0	52	647	68	364	425	1,557
	2003	-	0	35	151	39	308	455	988
	2004	-	0	8	413	99	172	264	956
	2005	-	0	22	339	7	31	305	705
	2006	-	0	0	379	16	153	878	1,427
2007	-	0	151	496	39	290	1,370	2,346	
2008	-	0	163	592	104	360	351	1,571	
2009	-	0	69	338	59	314	382	1,162	
2010	-	0	67	240	0	122	382	811	

Table 47. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
301-400	2011	-	0	15	196	123	321	489	1,144
	2012	-	0	40	351	212	588	805	1,996
	2013	-	0	46	179	22	731	498	1,476
	2014	-	0	103	448	104	259	319	1,232
401-600	1990	-	-	-	-	20	63	9	92
	1991	-	0	-	-	30	165	41	236
	1992	-	-	-	-	21	194	46	261
	1993	-	-	-	-	20	107	52	179
	1994	-	-	-	-	51	81	62	194
	1995	-	-	-	-	19	86	38	143
	1996	-	-	-	-	24	103	21	147
	1997	-	-	-	-	35	74	17	126
	1998	-	-	-	-	15	50	20	85
	1999	-	-	-	-	18	42	33	93
	2000	-	-	-	-	11	38	39	88
	2001	-	-	-	-	9	28	29	66
	2002	-	-	-	-	23	73	36	132
	2003	-	-	-	-	19	62	29	109
	2004	-	-	-	-	25	34	22	82
	2005	-	-	-	-	6	6	13	25
	2006	-	-	-	-	34	31	98	163
	2007	-	-	0	-	20	58	81	159
	2008	-	-	-	-	44	72	36	152
	2009	-	-	-	-	18	63	21	101
2010	-	-	-	-	0	24	23	47	
2011	-	-	-	-	109	64	26	198	
2012	-	-	-	-	158	118	55	330	
2013	-	-	-	-	35	146	44	225	
2014	-	-	-	-	138	52	44	234	
601-800	1990	-	-	-	-	3	-	-	3
	1991	-	-	-	-	5	-	-	5
	1992	-	-	-	-	4	-	-	4
	1993	-	-	-	-	3	-	-	3
	1994	-	-	-	-	8	-	-	8
	1995	-	-	-	-	3	-	-	3
	1996	-	-	-	-	4	-	-	4

Table 47. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
601-800	1997	-	-	-	-	6	-	-	6
	1998	-	-	-	-	3	-	-	3
	1999	-	-	-	-	3	-	-	3
	2000	-	-	-	-	2	-	-	2
	2001	-	-	-	-	1	-	-	1
	2002	-	-	-	-	4	-	-	4
	2003	-	-	-	-	3	-	-	3
	2004	-	-	-	-	4	-	-	4
	2005	-	-	-	-	1	-	-	1
	2006	-	-	-	-	6	-	-	6
	2007	-	-	0	-	3	-	-	3
	2008	-	-	-	-	7	-	-	7
	2009	-	-	-	-	3	-	-	3
	2010	-	-	-	-	0	-	-	0
	2011	-	-	-	-	18	-	-	18
2012	-	-	-	-	26	-	-	26	
2013	-	-	-	-	6	-	-	6	
2014	-	-	-	-	23	-	-	23	
151-800	1990	28,243	10,505	1,619	2,023	141	1,000	3,607	47,139
	1991	44,380	12,131	2,801	1,604	227	2,435	3,879	67,457
	1992	31,886	8,028	2,548	2,816	308	2,362	5,708	53,657
	1993	25,020	10,320	1,990	3,350	641	1,816	8,280	51,416
	1994	35,147	5,209	1,069	1,038	432	1,159	14,316	58,370
	1995	43,077	12,216	1,165	1,420	392	1,663	3,097	63,030
	1996	47,577	14,257	922	857	240	1,357	1,570	66,779
	1997	68,290	12,100	1,037	1,219	362	1,365	3,326	87,700
	1998	31,883	11,296	492	1,159	174	374	1,292	46,669
	1999	44,232	9,230	460	1,018	237	918	2,543	58,637
	2000	32,768	7,855	1,080	1,959	118	653	2,336	46,769
	2001	23,579	14,541	628	1,084	268	1,177	3,259	44,536
	2002	26,761	15,167	733	1,891	662	2,182	2,020	49,414
	2003	28,917	9,495	672	5,396	310	2,462	4,302	51,554
2004	31,327	8,109	237	1,516	813	991	2,579	45,571	
2005	20,668	6,705	465	883	109	1,371	1,840	32,040	
2006	22,711	6,849	290	1,022	415	1,565	4,768	37,619	
2007	42,557	8,685	981	1,209	305	1,405	6,720	61,863	

Table 47. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-800	2008	28,794	5,595	1,175	1,392	439	886	1,672	39,953
	2009	14,944	5,781	536	1,294	1,169	2,318	2,728	28,770
	2010	9,867	11,222	299	802	84	798	2,013	25,085
	2011	13,869	12,918	763	1,614	853	1,781	3,582	35,379
	2012	19,034	11,135	583	1,141	1,152	2,553	7,224	42,821
	2013	31,422	7,554	546	2,012	139	4,252	2,774	48,698
	2014	43,487	11,916	660	1,257	836	1,318	3,130	62,604

Table 48. -- Relative population number (RPN) of giant grenadier by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska (GOA), 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Yakutat Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-200	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	0	-	NA	NA	0	0
	1992	0	0	0	-	-	-	0	0
	1993	0	0	0	-	-	-	0	0
	1994	0	0	0	-	-	-	0	0
	1995	0	0	0	-	0	-	0	0
	1996	0	0	0	-	-	-	0	0
	1997	0	0	0	-	-	-	0	0
	1998	0	0	0	-	-	0	0	0
	1999	0	0	0	-	-	0	0	0
	2000	0	0	0	-	-	-	0	0
	2001	0	0	0	-	-	0	0	0
	2002	0	0	0	-	-	0	0	0
	2003	0	0	0	0	-	-	0	0
	2004	0	0	0	-	-	-	0	0
	2005	0	0	0	-	-	-	0	0
	2006	0	0	0	-	-	0	0	0
	2007	0	0	0	-	-	-	0	0
	2008	0	0	0	-	-	-	0	0
	2009	0	0	0	-	-	-	0	0
2010	0	0	0	-	-	-	0	0	
2011	0	0	0	0	-	-	0	0	
2012	0	0	0	-	-	-	0	0	
2013	0	0	0	0	-	-	0	0	
2014	0	0	0	-	-	-	0	0	
201-300	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	0	0	NA	NA	0	0
	1992	45	56	0	0	0	0	0	101
	1993	0	0	0	0	0	0	0	0
	1994	137	0	0	0	0	0	0	137
	1995	39	0	0	0	9	0	0	48
	1996	0	18	0	0	0	0	0	18
	1997	0	0	0	0	0	0	0	0
	1998	0	0	0	0	0	0	0	0
	1999	0	0	0	0	0	0	0	0

Table 48. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
201-300	2000	21	0	0	0	0	0	0	21
	2001	0	0	0	0	0	0	0	0
	2002	0	0	0	0	0	0	0	0
	2003	0	0	0	0	0	0	0	0
	2004	0	0	0	0	0	0	0	0
	2005	21	0	0	0	0	0	0	21
	2006	0	0	0	0	0	0	0	0
	2007	0	0	0	0	0	0	0	0
	2008	22	0	0	0	0	0	0	22
	2009	20	0	0	0	0	0	0	20
	2010	0	0	0	0	0	0	0	0
	2011	21	0	0	0	0	0	0	21
	2012	0	0	0	0	0	0	0	0
	2013	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	
301-400	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	0	0	NA	NA	0	0
	1992	-	-	0	0	69	0	0	69
	1993	-	-	0	0	121	0	0	121
	1994	-	0	0	0	14	0	0	14
	1995	-	0	0	0	221	0	0	221
	1996	-	0	0	0	10	12	0	22
	1997	-	0	0	0	31	8	0	39
	1998	-	0	0	0	107	4	0	111
	1999	-	0	0	0	195	8	0	202
	2000	-	0	0	0	146	10	0	155
	2001	-	0	0	0	131	20	0	152
	2002	-	0	0	0	367	20	0	387
	2003	-	0	0	0	2	12	0	14
	2004	-	0	0	0	14	0	0	14
	2005	-	0	0	0	25	0	0	25
2006	-	0	5	0	123	0	0	128	
2007	-	0	0	0	477	0	0	477	
2008	-	0	0	0	105	0	0	105	
2009	-	0	0	0	41	4	0	45	
2010	-	0	0	0	21	4	0	25	

Table 48. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
301-400	2011	-	0	0	0	11	4	0	16
	2012	-	0	0	0	197	0	0	197
	2013	-	0	0	0	213	0	0	213
	2014	-	0	0	0	68	0	0	68
401-600	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	-	-	NA	NA	0	0
	1992	-	-	-	-	181	0	0	181
	1993	-	-	-	-	543	0	4	548
	1994	-	-	-	-	57	0	0	57
	1995	-	-	-	-	150	0	0	150
	1996	-	-	-	-	152	2	0	154
	1997	-	-	-	-	141	2	0	142
	1998	-	-	-	-	166	1	0	166
	1999	-	-	-	-	654	2	0	656
	2000	-	-	-	-	667	2	0	669
	2001	-	-	-	-	393	4	0	397
	2002	-	-	-	-	751	4	0	755
	2003	-	-	-	-	235	2	0	238
	2004	-	-	-	-	161	0	0	161
	2005	-	-	-	-	106	0	0	106
	2006	-	-	-	-	308	0	0	308
	2007	-	-	0	-	1,161	0	0	1,161
	2008	-	-	-	-	791	0	0	791
	2009	-	-	-	-	525	1	0	526
2010	-	-	-	-	440	1	0	440	
2011	-	-	-	-	273	1	0	274	
2012	-	-	-	-	377	0	0	377	
2013	-	-	-	-	600	0	0	600	
2014	-	-	-	-	250	0	0	250	
601-800	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	-	-	-	NA	NA	-	0
	1992	-	-	-	-	30	-	-	30
	1993	-	-	-	-	90	-	-	90
	1994	-	-	-	-	9	-	-	9
	1995	-	-	-	-	25	-	-	25
	1996	-	-	-	-	25	-	-	25

Table 48. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
601-800	1997	-	-	-	-	23	-	-	23
	1998	-	-	-	-	28	-	-	28
	1999	-	-	-	-	109	-	-	109
	2000	-	-	-	-	111	-	-	111
	2001	-	-	-	-	65	-	-	65
	2002	-	-	-	-	125	-	-	125
	2003	-	-	-	-	39	-	-	39
	2004	-	-	-	-	27	-	-	27
	2005	-	-	-	-	18	-	-	18
	2006	-	-	-	-	51	-	-	51
	2007	-	-	0	-	193	-	-	193
	2008	-	-	-	-	131	-	-	131
	2009	-	-	-	-	87	-	-	87
	2010	-	-	-	-	73	-	-	73
2011	-	-	-	-	45	-	-	45	
2012	-	-	-	-	63	-	-	63	
2013	-	-	-	-	100	-	-	100	
2014	-	-	-	-	42	-	-	42	
151-800	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	0	0	NA	NA	0	0
	1992	45	56	0	0	281	0	0	381
	1993	0	0	0	0	755	0	4	759
	1994	137	0	0	0	81	0	0	218
	1995	39	0	0	0	406	0	0	445
	1996	0	18	0	0	187	14	0	219
	1997	0	0	0	0	195	9	0	204
	1998	0	0	0	0	300	5	0	305
	1999	0	0	0	0	957	9	0	967
	2000	21	0	0	0	924	12	0	956
	2001	0	0	0	0	589	24	0	614
	2002	0	0	0	0	1,243	24	0	1,267
	2003	0	0	0	0	276	14	0	290
2004	0	0	0	0	202	0	0	202	
2005	21	0	0	0	149	0	0	170	
2006	0	0	5	0	481	0	0	486	
2007	0	0	0	0	1,831	0	0	1,831	

Table 48. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-800	2008	22	0	0	0	1,027	0	0	1,049
	2009	20	0	0	0	653	5	0	678
	2010	0	0	0	0	534	5	0	538
	2011	21	0	0	0	330	5	0	356
	2012	0	0	0	0	636	0	0	636
	2013	0	0	0	0	913	0	0	913
	2014	0	0	0	0	360	0	0	360

Table 49. -- Relative population number (RPN) of Greenland turbot by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska (GOA), 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Yakutat Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-200	1990	0	0	0	-	-	-	0	0
	1991	0	0	0	-	0	-	0	0
	1992	0	0	0	-	-	-	0	0
	1993	0	0	0	-	-	-	0	0
	1994	0	0	0	-	-	-	0	0
	1995	0	0	0	-	0	-	0	0
	1996	0	0	0	-	-	-	0	0
	1997	0	0	0	-	-	-	0	0
	1998	0	0	0	-	-	0	0	0
	1999	0	0	0	-	-	0	0	0
	2000	0	0	0	-	-	-	0	0
	2001	0	0	0	-	-	0	0	0
	2002	0	0	0	-	-	0	0	0
	2003	0	0	0	0	-	-	0	0
	2004	0	0	0	-	-	-	0	0
	2005	0	0	0	-	-	-	0	0
	2006	0	0	0	-	-	0	0	0
	2007	0	0	0	-	-	-	0	0
	2008	0	0	0	-	-	-	0	0
	2009	0	0	0	-	-	-	0	0
2010	0	0	0	-	-	-	0	0	
2011	0	0	0	0	-	-	0	0	
2012	0	0	0	-	-	-	0	0	
2013	0	0	0	0	-	-	0	0	
2014	0	0	0	-	-	-	0	0	
201-300	1990	0	0	0	0	0	0	0	0
	1991	0	0	0	0	0	0	0	0
	1992	0	0	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0	0
	1994	0	0	20	0	0	0	0	20
	1995	0	0	0	0	0	0	0	0
	1996	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	
1998	0	0	0	0	0	0	0	0	
1999	0	0	0	0	0	0	0	0	

Table 49. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
201-300	2000	0	0	0	0	0	0	0	0
	2001	0	0	0	0	0	0	0	0
	2002	0	0	0	0	0	0	0	0
	2003	0	0	0	0	0	0	0	0
	2004	0	0	0	0	0	0	0	0
	2005	0	0	0	0	0	0	0	0
	2006	0	0	0	0	0	0	0	0
	2007	0	0	0	0	0	0	0	0
	2008	0	0	0	0	0	0	0	0
	2009	0	0	0	0	0	0	0	0
	2010	0	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0	0
	2013	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	
301-400	1990	-	-	0	0	0	0	0	0
	1991	-	0	0	0	0	0	0	0
	1992	-	-	0	0	0	0	0	0
	1993	-	-	0	0	0	0	0	0
	1994	-	0	0	0	0	0	0	0
	1995	-	0	0	0	0	0	0	0
	1996	-	0	0	0	0	0	0	0
	1997	-	0	0	0	0	0	0	0
	1998	-	0	0	0	0	0	0	0
	1999	-	0	0	0	0	0	0	0
	2000	-	0	0	0	0	0	0	0
	2001	-	0	0	0	0	0	0	0
	2002	-	0	0	0	0	0	0	0
	2003	-	0	0	0	0	0	0	0
	2004	-	0	0	0	0	0	0	0
	2005	-	0	0	0	0	0	0	0
	2006	-	0	0	0	0	0	0	0
2007	-	0	0	0	0	0	0	0	
2008	-	0	0	0	0	0	0	0	
2009	-	0	0	0	0	0	0	0	
2010	-	0	0	0	0	0	0	0	

Table 49. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
301-400	2011	-	0	0	0	0	0	0	0
	2012	-	0	0	0	0	0	0	0
	2013	-	0	0	0	0	0	0	0
	2014	-	0	0	0	0	0	0	0
401-600	1990	-	-	-	-	0	0	0	0
	1991	-	0	-	-	0	0	0	0
	1992	-	-	-	-	0	0	0	0
	1993	-	-	-	-	0	0	0	0
	1994	-	-	-	-	0	0	0	0
	1995	-	-	-	-	0	0	0	0
	1996	-	-	-	-	0	0	0	0
	1997	-	-	-	-	0	0	0	0
	1998	-	-	-	-	0	0	0	0
	1999	-	-	-	-	0	0	0	0
	2000	-	-	-	-	0	0	0	0
	2001	-	-	-	-	0	0	0	0
	2002	-	-	-	-	0	0	0	0
	2003	-	-	-	-	0	0	0	0
	2004	-	-	-	-	0	0	0	0
	2005	-	-	-	-	0	0	0	0
	2006	-	-	-	-	0	0	0	0
	2007	-	-	0	-	0	0	0	0
	2008	-	-	-	-	0	0	0	0
	2009	-	-	-	-	0	0	0	0
2010	-	-	-	-	0	0	0	0	
2011	-	-	-	-	0	0	0	0	
2012	-	-	-	-	0	0	0	0	
2013	-	-	-	-	0	0	0	0	
2014	-	-	-	-	0	0	0	0	
601-800	1990	-	-	-	-	0	-	-	0
	1991	-	-	-	-	0	-	-	0
	1992	-	-	-	-	0	-	-	0
	1993	-	-	-	-	0	-	-	0
	1994	-	-	-	-	0	-	-	0
	1995	-	-	-	-	0	-	-	0
	1996	-	-	-	-	0	-	-	0

Table 49. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
601-800	1997	-	-	-	-	0	-	-	0
	1998	-	-	-	-	0	-	-	0
	1999	-	-	-	-	0	-	-	0
	2000	-	-	-	-	0	-	-	0
	2001	-	-	-	-	0	-	-	0
	2002	-	-	-	-	0	-	-	0
	2003	-	-	-	-	0	-	-	0
	2004	-	-	-	-	0	-	-	0
	2005	-	-	-	-	0	-	-	0
	2006	-	-	-	-	0	-	-	0
	2007	-	-	0	-	0	-	-	0
	2008	-	-	-	-	0	-	-	0
	2009	-	-	-	-	0	-	-	0
	2010	-	-	-	-	0	-	-	0
2011	-	-	-	-	0	-	-	0	
2012	-	-	-	-	0	-	-	0	
2013	-	-	-	-	0	-	-	0	
2014	-	-	-	-	0	-	-	0	
151-800	1990	0	0	0	0	0	0	0	0
	1991	0	0	0	0	0	0	0	0
	1992	0	0	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0	0
	1994	0	0	20	0	0	0	0	20
	1995	0	0	0	0	0	0	0	0
	1996	0	0	0	0	0	0	0	0
	1997	0	0	0	0	0	0	0	0
	1998	0	0	0	0	0	0	0	0
	1999	0	0	0	0	0	0	0	0
	2000	0	0	0	0	0	0	0	0
	2001	0	0	0	0	0	0	0	0
	2002	0	0	0	0	0	0	0	0
	2003	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0	
2005	0	0	0	0	0	0	0	0	
2006	0	0	0	0	0	0	0	0	
2007	0	0	0	0	0	0	0	0	

Table 49. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-800	2008	0	0	0	0	0	0	0	0
	2009	0	0	0	0	0	0	0	0
	2010	0	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0	0
	2013	0	0	0	0	0	0	0	0
	2014	0	0	0	0	0	0	0	0

Table 50. -- Relative population number (RPN) of spiny dogfish by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska (GOA), 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-200	1990	0	398	15	-	-	-	1,996	2,410
	1991	0	13,861	143	-	0	-	5,019	19,022
	1992	0	11,795	34	-	-	-	6,444	18,273
	1993	0	36,449	126	-	-	-	2,497	39,072
	1994	0	4,577	119	-	-	-	3,296	7,992
	1995	0	568	183	-	0	-	2,080	2,831
	1996	0	6,440	0	-	-	-	521	6,962
	1997	0	1,667	11	-	-	-	2,252	3,929
	1998	0	8,425	2,359	-	-	2,750	4,970	18,504
	1999	0	1,054	6	-	-	461	1,981	3,502
	2000	0	1,210	167	-	-	-	948	2,325
	2001	0	743	752	-	-	0	1,427	2,922
	2002	0	433	99	-	-	288	1,490	2,310
	2003	0	268	277	0	-	-	1,535	2,080
	2004	0	610	115	-	-	-	735	1,460
	2005	0	5,596	248	-	-	-	891	6,736
	2006	92	1,858	294	-	-	1,000	3,426	6,670
	2007	0	3,095	921	-	-	-	2,268	6,284
	2008	0	2,212	961	-	-	-	4,297	7,471
	2009	1,667	3,793	201	-	-	-	2,498	8,160
2010	615	2,297	71	-	-	-	974	3,956	
2011	0	1,192	1,048	0	-	-	2,381	4,621	
2012	0	2,031	76	-	-	-	385	2,492	
2013	0	1,419	0	0	-	-	755	2,173	
2014	102	11,481	430	-	-	-	309	12,322	
201-300	1990	63	263	39	0	47	382	1,512	2,306
	1991	62	10,585	39	17	302	447	9,753	21,206
	1992	0	31,964	12	99	60	3,099	14,649	49,882
	1993	123	22,336	36	16	250	318	3,692	26,770
	1994	43	4,772	32	0	76	1,144	3,496	9,563
	1995	39	4,117	76	92	45	498	1,428	6,295
1996	132	2,806	35	15	250	508	475	4,222	
1997	0	15,116	28	80	21	138	3,845	19,228	
1998	66	19,897	4,558	1,194	321	7,195	10,998	44,230	
1999	0	1,475	0	64	161	758	6,021	8,478	

Table 50. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
201-300	2000	0	1,515	243	181	150	359	2,347	4,794
	2001	20	5,983	193	256	88	219	2,917	9,676
	2002	0	2,746	90	119	63	456	508	3,982
	2003	0	4,080	180	338	20	466	1,642	6,725
	2004	107	8,341	510	222	15	219	1,814	11,226
	2005	1,156	24,934	121	16	34	732	3,788	30,781
	2006	313	33,933	340	644	261	1,103	11,677	48,271
	2007	131	12,908	839	541	451	1,575	4,331	20,776
	2008	234	12,491	514	277	0	204	15,203	28,923
	2009	7,923	5,905	354	1,327	213	1,016	5,667	22,403
	2010	2,111	12,386	40	274	21	1,576	2,289	18,696
	2011	372	4,133	254	0	95	937	8,348	14,138
	2012	399	3,191	57	275	457	396	1,055	5,830
	2013	22	2,053	0	44	118	1,047	1,034	4,317
2014	728	15,345	451	19	44	598	1,070	18,254	
301-400	1990	-	-	0	0	4	149	195	349
	1991	-	0	0	10	10	103	3,791	3,914
	1992	-	-	5	10	5	1,646	4,556	6,222
	1993	-	-	12	0	5	59	797	873
	1994	-	0	0	0	0	250	4,654	4,904
	1995	-	0	9	9	2	89	55	164
	1996	-	0	0	10	15	21	163	208
	1997	-	0	0	30	2	29	698	759
	1998	-	0	901	624	186	1,212	977	3,901
	1999	-	0	0	10	7	245	377	639
	2000	-	0	205	19	16	54	395	691
	2001	-	0	6	29	19	4	78	136
	2002	-	0	15	0	31	27	180	253
	2003	-	0	0	1,918	2	102	183	2,205
	2004	-	0	242	30	19	43	35	370
	2005	-	0	0	10	2	41	377	431
2006	-	0	5	20	266	356	2,137	2,785	
2007	-	0	84	434	31	515	778	1,842	
2008	-	0	84	77	345	36	2,107	2,649	
2009	-	0	53	791	114	310	1,799	3,067	
2010	-	0	4	120	2	58	480	664	

Table 50. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
301-400	2011	-	0	0	10	30	133	2,553	2,726
	2012	-	0	15	201	279	143	220	859
	2013	-	0	0	9	5	455	179	649
	2014	-	0	0	12	4	128	84	228
401-600	1990	-	-	-	-	2	30	9	41
	1991	-	0	-	-	0	21	61	82
	1992	-	-	-	-	2	329	110	441
	1993	-	-	-	-	0	12	11	23
	1994	-	-	-	-	0	50	69	119
	1995	-	-	-	-	0	18	0	18
	1996	-	-	-	-	2	4	6	12
	1997	-	-	-	-	2	6	22	30
	1998	-	-	-	-	27	242	27	296
	1999	-	-	-	-	0	49	15	64
	2000	-	-	-	-	23	11	12	46
	2001	-	-	-	-	146	1	4	151
	2002	-	-	-	-	45	5	4	54
	2003	-	-	-	-	0	20	10	30
	2004	-	-	-	-	0	9	2	11
	2005	-	-	-	-	0	8	3	11
	2006	-	-	-	-	76	71	3	150
	2007	-	-	0	-	8	103	9	121
	2008	-	-	-	-	978	7	25	1,010
	2009	-	-	-	-	247	62	45	354
2010	-	-	-	-	0	12	11	22	
2011	-	-	-	-	4	27	63	94	
2012	-	-	-	-	372	29	4	405	
2013	-	-	-	-	6	91	12	109	
2014	-	-	-	-	0	26	3	29	
601-800	1990	-	-	-	-	0	-	-	0
	1991	-	-	-	-	0	-	-	0
	1992	-	-	-	-	0	-	-	0
	1993	-	-	-	-	0	-	-	0
	1994	-	-	-	-	0	-	-	0
	1995	-	-	-	-	0	-	-	0
	1996	-	-	-	-	0	-	-	0

Table 50. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
601-800	1997	-	-	-	-	0	-	-	0
	1998	-	-	-	-	4	-	-	4
	1999	-	-	-	-	0	-	-	0
	2000	-	-	-	-	4	-	-	4
	2001	-	-	-	-	24	-	-	24
	2002	-	-	-	-	8	-	-	8
	2003	-	-	-	-	0	-	-	0
	2004	-	-	-	-	0	-	-	0
	2005	-	-	-	-	0	-	-	0
	2006	-	-	-	-	13	-	-	13
	2007	-	-	0	-	1	-	-	1
	2008	-	-	-	-	162	-	-	162
	2009	-	-	-	-	41	-	-	41
	2010	-	-	-	-	0	-	-	0
	2011	-	-	-	-	1	-	-	1
2012	-	-	-	-	62	-	-	62	
2013	-	-	-	-	1	-	-	1	
2014	-	-	-	-	0	-	-	0	
151-800	1990	63	661	54	0	54	561	3,712	5,105
	1991	62	24,446	182	27	313	571	18,624	44,224
	1992	0	43,758	52	108	67	5,074	25,758	74,818
	1993	123	58,785	174	16	255	388	6,997	66,738
	1994	43	9,349	151	0	76	1,445	11,515	22,578
	1995	39	4,685	267	102	47	605	3,563	9,307
	1996	132	9,246	35	25	267	533	1,165	11,405
	1997	0	16,782	39	111	25	173	6,817	23,947
	1998	66	28,322	7,818	1,819	539	11,400	16,971	66,935
	1999	0	2,528	6	74	168	1,512	8,393	12,683
	2000	0	2,724	615	200	193	424	3,702	7,859
	2001	20	6,726	950	285	278	224	4,426	12,909
	2002	0	3,179	204	119	146	777	2,182	6,607
	2003	0	4,347	457	2,255	22	589	3,371	11,041
2004	107	8,951	867	252	34	271	2,586	13,068	
2005	1,156	30,531	370	26	36	781	5,059	37,959	
2006	406	35,791	639	664	616	2,530	17,244	57,889	
2007	131	16,003	1,844	975	491	2,193	7,386	29,024	

Table 50. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-800	2008	234	14,703	1,560	354	1,486	247	21,632	40,216
	2009	9,590	9,698	608	2,118	615	1,388	10,009	34,025
	2010	2,725	14,682	114	395	23	1,645	3,754	23,338
	2011	372	5,325	1,302	10	130	1,097	13,345	21,579
	2012	399	5,222	148	476	1,170	568	1,664	9,647
	2013	22	3,471	0	53	130	1,593	1,980	7,250
	2014	829	26,827	880	31	47	751	1,467	30,832

Table 51. -- Relative population number (RPN) of Pacific sleeper shark by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska (GOA), 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Yakutat Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-200	1990	0	33	0	-	-	-	0	33
	1991	0	0	0	-	0	-	0	0
	1992	0	35	0	-	-	-	0	35
	1993	316	0	0	-	-	-	0	316
	1994	160	66	0	-	-	-	0	226
	1995	856	0	0	-	0	-	0	856
	1996	0	0	0	-	-	-	0	0
	1997	378	0	0	-	-	-	0	378
	1998	727	37	0	-	-	0	0	765
	1999	177	0	0	-	-	0	0	177
	2000	590	45	0	-	-	-	0	635
	2001	0	0	0	-	-	0	0	0
	2002	161	0	0	-	-	0	0	161
	2003	278	0	0	0	-	-	0	278
	2004	232	0	0	-	-	-	0	232
	2005	0	0	0	-	-	-	0	0
	2006	0	0	0	-	-	0	0	0
	2007	0	0	0	-	-	-	0	0
	2008	0	0	0	-	-	-	0	0
	2009	0	0	0	-	-	-	0	0
2010	1,165	0	0	-	-	-	0	1,165	
2011	172	0	0	0	0	-	-	172	
2012	0	0	0	-	-	-	0	0	
2013	0	0	0	0	0	-	-	0	
2014	0	0	0	-	-	-	0	0	
201-300	1990	102	159	0	132	0	0	0	392
	1991	231	83	0	70	0	0	0	384
	1992	376	53	13	16	0	0	0	458
	1993	1,188	126	12	32	0	0	0	1,358
	1994	984	544	0	0	0	0	0	1,528
	1995	817	70	0	16	0	0	0	903
	1996	1,344	0	0	245	0	0	0	1,589
	1997	395	38	0	32	0	0	0	464
	1998	1,224	107	0	33	0	0	0	1,364
	1999	1,357	43	0	0	0	0	0	1,400

Table 51. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
201-300	2000	1,687	16	0	65	0	0	0	1,768
	2001	2,964	0	0	121	0	0	0	3,084
	2002	2,593	0	0	135	0	0	131	2,859
	2003	1,445	0	0	170	0	37	0	1,652
	2004	874	38	0	63	0	0	0	976
	2005	411	0	0	64	0	0	0	474
	2006	0	0	0	66	0	0	0	66
	2007	131	19	0	0	0	0	0	150
	2008	183	9	0	98	0	0	0	289
	2009	0	10	0	0	0	0	0	10
	2010	0	9	0	0	0	0	0	9
	2011	66	0	0	0	0	0	0	66
	2012	114	0	0	0	0	0	0	114
	2013	85	0	0	0	0	0	0	85
2014	20	0	0	18	0	0	0	39	
301-400	1990	-	-	0	0	0	0	0	0
	1991	-	0	0	0	0	0	0	0
	1992	-	-	0	0	0	0	0	0
	1993	-	-	0	0	0	0	0	0
	1994	-	0	0	0	0	6	0	6
	1995	-	0	0	9	2	0	8	19
	1996	-	0	0	0	0	0	0	0
	1997	-	0	0	101	0	0	0	101
	1998	-	0	0	40	0	12	44	96
	1999	-	0	0	10	0	8	0	18
	2000	-	0	7	29	0	26	0	62
	2001	-	0	0	0	0	4	0	4
	2002	-	0	0	19	0	14	0	33
	2003	-	0	0	44	0	25	0	69
	2004	-	0	0	30	0	4	0	34
	2005	-	0	0	85	0	7	0	91
	2006	-	0	0	10	0	0	0	10
2007	-	0	0	10	0	0	0	10	
2008	-	0	0	10	0	0	0	10	
2009	-	0	0	0	0	0	0	0	
2010	-	0	0	0	0	0	0	0	

Table 51. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
301-400	2011	-	0	0	0	0	0	0	0
	2012	-	0	0	0	0	0	0	0
	2013	-	0	0	0	0	0	0	0
	2014	-	0	0	0	0	0	0	0
401-600	1990	-	-	-	-	0	0	0	0
	1991	-	0	-	-	0	0	0	0
	1992	-	-	-	-	0	0	0	0
	1993	-	-	-	-	0	0	0	0
	1994	-	-	-	-	0	1	0	1
	1995	-	-	-	-	0	0	0	0
	1996	-	-	-	-	0	0	1	1
	1997	-	-	-	-	0	0	1	1
	1998	-	-	-	-	0	2	0	2
	1999	-	-	-	-	0	2	0	2
	2000	-	-	-	-	0	5	1	6
	2001	-	-	-	-	0	1	0	1
	2002	-	-	-	-	0	3	0	3
	2003	-	-	-	-	0	5	1	6
	2004	-	-	-	-	0	1	0	1
	2005	-	-	-	-	0	1	0	1
	2006	-	-	-	-	0	0	1	1
	2007	-	-	0	-	0	0	0	0
	2008	-	-	-	-	0	0	0	0
	2009	-	-	-	-	0	0	0	0
2010	-	-	-	-	0	0	0	0	
2011	-	-	-	-	0	0	0	0	
2012	-	-	-	-	0	0	0	0	
2013	-	-	-	-	0	0	0	0	
2014	-	-	-	-	0	0	0	0	
601-800	1990	-	-	-	-	0	-	-	0
	1991	-	-	-	-	0	-	-	0
	1992	-	-	-	-	0	-	-	0
	1993	-	-	-	-	0	-	-	0
	1994	-	-	-	-	0	-	-	0
	1995	-	-	-	-	0	-	-	0
	1996	-	-	-	-	0	-	-	0

Table 51. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
601-800	1997	-	-	-	-	0	-	-	0
	1998	-	-	-	-	0	-	-	0
	1999	-	-	-	-	0	-	-	0
	2000	-	-	-	-	0	-	-	0
	2001	-	-	-	-	0	-	-	0
	2002	-	-	-	-	0	-	-	0
	2003	-	-	-	-	0	-	-	0
	2004	-	-	-	-	0	-	-	0
	2005	-	-	-	-	0	-	-	0
	2006	-	-	-	-	0	-	-	0
	2007	-	-	0	-	0	-	-	0
	2008	-	-	-	-	0	-	-	0
	2009	-	-	-	-	0	-	-	0
	2010	-	-	-	-	0	-	-	0
2011	-	-	-	-	0	-	-	0	
2012	-	-	-	-	0	-	-	0	
2013	-	-	-	-	0	-	-	0	
2014	-	-	-	-	0	-	-	0	
151-800	1990	102	192	0	132	0	0	0	426
	1991	231	83	0	70	0	0	0	384
	1992	376	88	13	16	0	0	0	493
	1993	1,505	126	12	32	0	0	0	1,674
	1994	1,144	610	0	0	0	8	0	1,762
	1995	1,673	70	0	26	2	0	8	1,778
	1996	1,344	0	0	245	0	0	1	1,589
	1997	773	38	0	133	0	0	1	944
	1998	1,951	145	0	73	0	15	44	2,227
	1999	1,533	43	0	10	0	9	0	1,596
	2000	2,277	61	7	94	0	31	1	2,471
	2001	2,964	0	0	121	0	5	0	3,089
	2002	2,754	0	0	154	0	17	131	3,056
	2003	1,723	0	0	213	0	67	1	2,004
2004	1,106	38	0	93	0	5	0	1,243	
2005	411	0	0	148	0	8	0	567	
2006	0	0	0	76	0	0	1	77	
2007	131	19	0	10	0	0	0	160	

Table 51. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-800	2008	183	9	0	108	0	0	0	299
	2009	0	10	0	0	0	0	0	10
	2010	1,165	9	0	0	0	0	0	1,174
	2011	238	0	0	0	0	0	0	238
	2012	114	0	0	0	0	0	0	114
	2013	85	0	0	0	0	0	0	85
	2014	20	0	0	18	0	0	0	39

Table 52. -- Relative population weight (RPW) of sablefish by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska (GOA), 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Yakutat Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-200	1990	31,153	146,706	399	-	-	-	0	178,258
	1991	13,193	332,510	1,521	-	0	-	116	347,340
	1992	15,199	316,642	1,670	-	-	-	0	333,511
	1993	13,215	85,167	1,356	-	-	-	0	99,737
	1994	2,825	41,126	1,025	-	-	-	347	45,323
	1995	3,609	119,306	1,799	-	0	-	809	125,522
	1996	51,436	145,540	79	-	-	-	1,463	198,518
	1997	0	151,431	389	-	-	-	84	151,904
	1998	15,502	204,911	97	-	-	0	96	220,606
	1999	73,033	160,597	152	-	-	643	65	234,491
	2000	52,521	37,626	301	-	-	-	141	90,589
	2001	111,591	56,669	291	-	-	0	0	168,551
	2002	94,698	136,633	91	-	-	256	1,240	232,917
	2003	91,061	151,544	97	0	-	-	87	242,788
	2004	28,600	102,840	76	-	-	-	47	131,564
	2005	28,072	136,751	300	-	-	-	344	165,467
	2006	25,144	108,410	233	-	-	0	862	134,650
	2007	57,596	92,242	67	-	-	-	939	150,844
	2008	22,712	119,576	59	-	-	-	26	142,373
	2009	7,139	109,187	137	-	-	-	21	116,484
2010	24,152	125,554	192	-	-	-	668	150,566	
2011	20,078	80,021	472	10,983	-	-	0	111,555	
2012	13,401	83,947	221	-	-	-	1,336	98,906	
2013	10,341	88,738	70	0	-	-	164	99,314	
2014	1,630	62,090	0	-	-	-	396	64,116	
201-300	1990	338,789	312,604	34,661	25,904	NA	7,666	29,704	749,329
	1991	287,853	390,719	26,172	42,414	8,082	8,428	31,654	795,322
	1992	312,961	271,678	27,439	18,291	4,331	3,450	8,799	646,949
	1993	285,021	261,742	38,508	18,104	8,945	3,615	23,562	639,497
	1994	126,673	284,868	13,300	11,235	6,916	780	14,281	458,053
	1995	152,952	183,960	22,213	30,884	5,217	3,508	29,702	428,437
	1996	290,202	235,183	18,770	3,785	5,206	3,533	64,667	621,346
	1997	305,211	194,755	16,030	23,286	4,846	4,104	25,677	573,909
	1998	123,952	202,186	18,616	15,272	7,888	4,732	13,068	385,714
	1999	342,173	178,018	14,375	21,849	5,886	10,937	20,321	593,560

Table 52. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
201-300	2000	225,452	174,974	12,751	15,760	4,203	4,375	17,643	455,157
	2001	639,720	182,618	18,788	29,524	4,186	1,956	12,908	889,700
	2002	384,858	226,094	29,015	14,152	1,207	4,842	26,149	686,319
	2003	267,444	229,368	10,823	14,935	1,680	2,164	20,473	546,886
	2004	214,867	199,890	7,713	14,848	2,159	1,450	28,559	469,486
	2005	149,190	219,522	16,054	22,520	11,534	1,953	42,934	463,706
	2006	154,526	217,094	12,187	8,023	1,980	5,338	19,879	419,028
	2007	292,208	182,667	25,939	10,031	5,134	1,996	29,496	547,469
	2008	260,354	228,543	21,680	19,393	3,302	6,049	3,911	543,232
	2009	170,928	166,223	21,489	34,211	2,111	1,257	12,748	408,967
	2010	137,587	146,714	26,217	21,789	11,385	4,622	28,613	376,927
	2011	133,206	208,023	16,427	22,707	4,708	5,259	5,542	395,872
	2012	123,587	131,657	21,182	11,027	6,523	3,294	35,926	333,196
	2013	42,296	141,084	16,182	2,654	4,150	3,424	23,954	233,744
	2014	26,193	100,472	10,146	728	5,960	3,477	17,754	164,730
301-400	1990	-	-	12,069	33,768	12,624	25,000	27,979	111,440
	1991	-	0	5,374	42,951	17,938	32,482	35,320	134,065
	1992	-	-	7,564	36,668	18,377	28,119	38,342	129,071
	1993	-	-	9,020	38,936	14,172	20,972	25,485	108,585
	1994	-	0	3,537	16,013	19,348	27,507	15,462	81,867
	1995	-	0	5,330	28,739	9,859	35,874	36,240	116,043
	1996	-	0	4,822	8,625	9,121	16,162	32,464	71,194
	1997	-	0	1,777	24,773	11,858	16,930	26,903	82,241
	1998	-	0	8,179	37,120	11,462	14,897	31,795	103,453
	1999	-	0	3,222	35,918	11,792	24,426	20,348	95,706
	2000	-	0	4,025	17,517	12,851	21,014	31,267	86,675
	2001	-	0	3,601	38,654	10,273	12,991	25,275	90,794
	2002	-	0	5,886	23,378	6,760	21,717	27,521	85,263
	2003	-	0	1,738	18,239	6,665	24,306	24,905	75,852
	2004	-	0	4,707	28,053	9,175	16,178	32,906	91,019
	2005	-	0	1,751	21,731	8,763	14,613	36,139	82,998
	2006	-	0	1,409	31,835	9,311	24,471	29,410	96,435
	2007	-	0	11,124	31,155	10,554	19,041	24,145	96,019
	2008	-	0	7,287	31,868	9,119	12,566	20,989	81,829
	2009	-	0	6,926	45,821	9,809	19,402	12,621	94,579
	2010	-	0	7,616	44,270	10,730	24,967	17,761	105,345

Table 52. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
301-400	2011	-	0	2,658	28,811	12,092	20,480	15,766	79,808
	2012	-	0	4,158	13,455	7,172	14,122	20,958	59,866
	2013	-	0	3,951	6,438	7,568	15,545	16,976	50,478
	2014	-	0	5,247	8,661	9,516	14,094	30,010	67,528
401-600	1990	-	-	-	-	25,427	5,000	2,191	32,619
	1991	-	0	-	-	31,404	6,496	2,587	40,488
	1992	-	-	-	-	28,455	5,624	1,837	35,916
	1993	-	-	-	-	19,743	4,194	1,763	25,701
	1994	-	-	-	-	24,610	5,501	1,376	31,487
	1995	-	-	-	-	11,696	7,175	1,803	20,674
	1996	-	-	-	-	17,010	3,232	2,054	22,297
	1997	-	-	-	-	14,671	3,386	2,084	20,141
	1998	-	-	-	-	12,763	2,979	2,340	18,082
	1999	-	-	-	-	15,004	4,885	2,318	22,207
	2000	-	-	-	-	15,919	4,203	1,756	21,878
	2001	-	-	-	-	17,891	2,598	1,569	22,058
	2002	-	-	-	-	9,945	4,343	1,943	16,231
	2003	-	-	-	-	12,263	4,861	1,551	18,676
	2004	-	-	-	-	11,425	3,236	2,277	16,938
	2005	-	-	-	-	14,391	2,923	2,116	19,429
	2006	-	-	-	-	11,022	4,894	1,652	17,569
	2007	-	-	0	-	15,455	3,808	1,291	20,553
	2008	-	-	-	-	14,151	2,513	1,513	18,178
	2009	-	-	-	-	16,884	3,880	1,342	22,106
2010	-	-	-	-	16,575	4,993	1,450	23,018	
2011	-	-	-	-	16,965	4,096	1,195	22,256	
2012	-	-	-	-	11,496	2,824	1,746	16,067	
2013	-	-	-	-	10,048	3,109	1,684	14,842	
2014	-	-	-	-	12,901	2,819	1,958	17,678	
601-800	1990	-	-	-	-	4,224	-	-	4,224
	1991	-	-	-	-	5,217	-	-	5,217
	1992	-	-	-	-	4,727	-	-	4,727
	1993	-	-	-	-	3,280	-	-	3,280
	1994	-	-	-	-	4,088	-	-	4,088
	1995	-	-	-	-	1,943	-	-	1,943
	1996	-	-	-	-	2,826	-	-	2,826

Table 52. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
601- 800	1997	-	-	-	-	2,437	-	-	2,437
	1998	-	-	-	-	2,120	-	-	2,120
	1999	-	-	-	-	2,492	-	-	2,492
	2000	-	-	-	-	2,644	-	-	2,644
	2001	-	-	-	-	2,972	-	-	2,972
	2002	-	-	-	-	1,652	-	-	1,652
	2003	-	-	-	-	2,037	-	-	2,037
	2004	-	-	-	-	1,898	-	-	1,898
	2005	-	-	-	-	2,391	-	-	2,391
	2006	-	-	-	-	1,831	-	-	1,831
	2007	-	-	0	-	2,567	-	-	2,567
	2008	-	-	-	-	2,351	-	-	2,351
	2009	-	-	-	-	2,805	-	-	2,805
	2010	-	-	-	-	2,753	-	-	2,753
	2011	-	-	-	-	2,818	-	-	2,818
2012	-	-	-	-	1,910	-	-	1,910	
2013	-	-	-	-	1,669	-	-	1,669	
2014	-	-	-	-	2,143	-	-	2,143	
151- 800	1990	369,942	459,311	47,129	59,671	42,275	37,667	59,874	1,075,868
	1991	301,046	723,229	33,067	85,365	62,640	47,407	69,677	1,322,431
	1992	328,160	588,320	36,674	54,960	55,890	37,193	48,977	1,150,173
	1993	298,236	346,908	48,884	57,040	46,141	28,781	50,810	876,800
	1994	129,498	325,994	17,862	27,248	54,962	33,789	31,465	620,818
	1995	156,560	303,266	29,342	59,623	28,715	46,557	68,554	692,618
	1996	341,638	380,723	23,671	12,410	34,163	22,927	100,648	916,180
	1997	305,211	346,186	18,195	48,059	33,813	24,420	54,748	830,632
	1998	139,454	407,097	26,892	52,391	34,233	22,609	47,299	729,975
	1999	415,207	338,615	17,749	57,768	35,174	40,891	43,053	948,456
	2000	277,972	212,600	17,077	33,278	35,617	29,591	50,807	656,942
	2001	751,311	239,287	22,680	68,178	35,322	17,546	39,751	1,174,074
	2002	479,556	362,727	34,992	37,531	19,564	31,159	56,852	1,022,382
2003	358,505	380,911	12,658	33,174	22,644	31,331	47,017	886,239	
2004	243,467	302,730	12,496	42,901	24,657	20,864	63,789	710,905	
2005	177,262	356,273	18,104	44,251	37,078	19,489	81,532	733,990	
2006	179,670	325,505	13,829	39,858	24,145	34,703	51,803	669,512	
2007	349,803	274,909	37,130	41,186	33,709	24,845	55,870	817,452	

Table 52. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-800	2008	283,066	348,119	29,026	51,261	28,922	21,128	26,439	787,961
	2009	178,067	275,410	28,552	80,032	31,609	24,539	26,732	644,941
	2010	161,739	272,267	34,026	66,059	41,443	34,583	48,492	658,609
	2011	153,285	288,044	19,557	62,501	36,583	29,835	22,503	612,308
	2012	136,988	215,604	25,562	24,482	27,101	20,241	59,967	509,945
	2013	52,637	229,823	20,203	9,092	23,435	22,078	42,779	400,047
	2014	27,823	162,562	15,393	9,389	30,520	20,390	50,118	316,194

Table 53. -- Relative population weight (RPW) of shortspine thornyhead by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska (GOA), 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Yakutat Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-200	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	202	37	-	NA	NA	0	239
	1992	0	1,586	0	-	-	-	0	1,586
	1993	0	121	15	-	-	-	0	136
	1994	0	132	5	-	-	-	146	283
	1995	0	317	33	-	0	-	239	588
	1996	0	428	0	-	-	-	136	564
	1997	0	240	0	-	-	-	91	332
	1998	0	87	6	-	-	0	0	92
	1999	0	572	0	-	-	0	51	622
	2000	0	122	8	-	-	-	0	130
	2001	0	190	4	-	-	0	0	194
	2002	0	193	3	-	-	41	21	258
	2003	0	542	0	0	-	-	18	560
	2004	0	195	6	-	-	-	36	237
	2005	0	174	8	-	-	-	0	182
	2006	0	653	0	-	-	58	69	780
	2007	0	806	0	-	-	-	98	904
	2008	0	409	0	-	-	-	129	539
	2009	0	1,124	3	-	-	-	58	1,185
2010	0	794	0	-	-	-	154	949	
2011	0	1,047	0	0	-	-	17	1,064	
2012	0	457	0	-	-	-	240	697	
2013	0	1,658	0	0	-	-	119	1,777	
2014	0	1,014	0	-	-	-	80	1,093	
201-300	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	2,151	429	1,124	NA	NA	683	4,386
	1992	0	3,263	491	844	44	398	1,294	6,334
	1993	0	2,982	501	1,333	39	1,266	1,316	7,437
	1994	0	1,831	522	631	34	229	950	4,195
	1995	0	1,841	620	643	55	980	678	4,817
	1996	0	2,457	508	525	0	892	2,366	6,749
	1997	0	1,283	1,264	594	4	533	2,814	6,492
1998	71	1,629	394	442	58	141	1,299	4,036	
1999	25	1,528	559	883	31	439	1,314	4,779	

Table 53. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
201-300	2000	79	910	500	698	26	547	736	3,496
	2001	19	1,606	502	470	10	353	1,938	4,897
	2002	98	1,408	260	874	5	310	1,744	4,698
	2003	0	1,679	1,015	808	0	226	936	4,663
	2004	80	1,431	683	872	23	351	526	3,966
	2005	442	1,599	1,164	1,106	0	490	561	5,363
	2006	262	1,844	1,044	498	15	337	785	4,784
	2007	617	3,491	924	970	22	454	484	6,962
	2008	913	3,580	681	1,156	348	739	1,041	8,457
	2009	1,063	4,991	981	1,001	5	202	713	8,956
	2010	1,341	4,845	730	1,024	0	482	1,481	9,904
	2011	1,137	4,336	918	736	193	336	620	8,276
	2012	556	3,274	1,065	959	5	331	637	6,826
	2013	1,296	6,879	1,326	1,896	103	627	809	12,935
2014	703	3,339	1,374	1,525	15	669	683	8,309	
301-400	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	99	180	NA	NA	0	279
	1992	-	-	75	307	21	732	389	1,524
	1993	-	-	77	375	44	1,711	736	2,943
	1994	-	0	152	149	26	788	995	2,110
	1995	-	0	127	183	110	1,380	1,188	2,988
	1996	-	0	151	149	161	1,433	1,693	3,587
	1997	-	0	217	377	307	1,687	1,917	4,505
	1998	-	0	47	271	96	744	3,934	5,091
	1999	-	0	160	170	244	919	2,186	3,679
	2000	-	0	94	390	157	1,058	3,334	5,032
	2001	-	0	153	140	121	1,392	3,805	5,611
	2002	-	0	120	187	35	1,217	2,727	4,286
	2003	-	0	321	180	77	1,094	2,684	4,356
	2004	-	0	266	268	60	910	2,042	3,546
	2005	-	0	426	258	98	1,350	1,370	3,502
2006	-	0	243	145	164	1,051	2,334	3,937	
2007	-	0	78	116	138	1,167	2,781	4,280	
2008	-	0	328	319	107	1,279	2,928	4,961	
2009	-	0	153	220	65	1,514	2,709	4,661	
2010	-	0	434	443	288	1,266	5,034	7,466	

Table 53. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
301-400	2011	-	0	372	277	98	1,259	1,977	3,983
	2012	-	0	318	335	102	1,415	3,342	5,512
	2013	-	0	528	443	308	2,160	2,334	5,774
	2014	-	0	659	347	131	1,541	3,224	5,902
401-600	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	-	-	NA	NA	0	0
	1992	-	-	-	-	265	146	135	546
	1993	-	-	-	-	375	342	36	754
	1994	-	-	-	-	210	158	26	394
	1995	-	-	-	-	579	276	90	945
	1996	-	-	-	-	748	287	75	1,110
	1997	-	-	-	-	760	337	73	1,171
	1998	-	-	-	-	495	149	256	900
	1999	-	-	-	-	651	184	182	1,017
	2000	-	-	-	-	516	212	265	993
	2001	-	-	-	-	362	278	118	758
	2002	-	-	-	-	284	243	243	771
	2003	-	-	-	-	455	219	257	930
	2004	-	-	-	-	373	182	119	674
	2005	-	-	-	-	345	270	72	686
	2006	-	-	-	-	585	210	138	933
	2007	-	-	0	-	416	233	233	883
	2008	-	-	-	-	563	256	236	1,055
	2009	-	-	-	-	288	303	190	781
2010	-	-	-	-	644	253	276	1,173	
2011	-	-	-	-	502	252	109	862	
2012	-	-	-	-	316	283	117	717	
2013	-	-	-	-	961	432	104	1,496	
2014	-	-	-	-	432	308	159	899	
601-800	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	-	-	-	NA	NA	-	0
	1992	-	-	-	-	44	-	-	44
	1993	-	-	-	-	62	-	-	62
	1994	-	-	-	-	35	-	-	35
	1995	-	-	-	-	96	-	-	96
	1996	-	-	-	-	124	-	-	124

Table 53. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
601-800	1997	-	-	-	-	126	-	-	126
	1998	-	-	-	-	82	-	-	82
	1999	-	-	-	-	108	-	-	108
	2000	-	-	-	-	86	-	-	86
	2001	-	-	-	-	60	-	-	60
	2002	-	-	-	-	47	-	-	47
	2003	-	-	-	-	76	-	-	76
	2004	-	-	-	-	62	-	-	62
	2005	-	-	-	-	57	-	-	57
	2006	-	-	-	-	97	-	-	97
	2007	-	-	0	-	69	-	-	69
	2008	-	-	-	-	94	-	-	94
	2009	-	-	-	-	48	-	-	48
	2010	-	-	-	-	107	-	-	107
	2011	-	-	-	-	83	-	-	83
2012	-	-	-	-	53	-	-	53	
2013	-	-	-	-	160	-	-	160	
2014	-	-	-	-	72	-	-	72	
151-800	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	2,353	564	1,304	NA	NA	683	4,903
	1992	0	4,849	566	1,151	373	1,276	1,818	10,033
	1993	0	3,103	593	1,708	520	3,320	2,088	11,332
	1994	0	1,962	679	779	304	1,174	2,118	7,017
	1995	0	2,158	780	826	840	2,636	2,195	9,435
	1996	0	2,886	659	674	1,033	2,611	4,270	12,134
	1997	0	1,523	1,482	971	1,197	2,558	4,896	12,626
	1998	71	1,716	447	713	732	1,034	5,489	10,202
	1999	25	2,100	719	1,052	1,034	1,542	3,733	10,204
	2000	79	1,032	601	1,087	786	1,817	4,334	9,736
	2001	19	1,796	659	610	553	2,024	5,861	11,521
	2002	98	1,601	382	1,060	372	1,811	4,735	10,060
2003	0	2,221	1,336	988	607	1,538	3,894	10,584	
2004	80	1,625	956	1,141	517	1,443	2,723	8,484	
2005	442	1,773	1,599	1,365	500	2,110	2,002	9,791	
2006	262	2,497	1,287	643	861	1,656	3,325	10,530	
2007	617	4,297	1,002	1,086	645	1,855	3,597	13,098	

Table 53. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-800	2008	913	3,989	1,009	1,474	1,112	2,274	4,334	15,105
	2009	1,063	6,115	1,138	1,221	407	2,018	3,669	15,630
	2010	1,341	5,639	1,165	1,468	1,039	2,001	6,945	19,598
	2011	1,137	5,383	1,290	1,013	876	1,847	2,723	14,269
	2012	556	3,731	1,383	1,294	476	2,028	4,336	13,804
	2013	1,296	8,537	1,854	2,338	1,531	3,219	3,365	22,142
	2014	703	4,353	2,032	1,872	649	2,519	4,146	16,275

Table 54. -- Relative population weight (RPW) of roughey and blackspotted rockfish by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska (GOA), 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Yakutat Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-200	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	27	-	NA	NA	0	27
	1992	2,119	268	13	-	-	-	0	2,399
	1993	1,604	90	29	-	-	-	0	1,723
	1994	0	41	11	-	-	-	0	52
	1995	237	0	7	-	0	-	0	244
	1996	0	136	0	-	-	-	0	136
	1997	0	195	7	-	-	-	0	202
	1998	0	0	0	-	-	0	0	0
	1999	98	42	0	-	-	0	0	140
	2000	368	40	24	-	-	-	0	432
	2001	161	0	0	-	-	0	0	161
	2002	0	127	0	-	-	0	0	127
	2003	176	11	5	0	-	-	0	192
	2004	0	0	0	-	-	-	0	0
	2005	0	0	0	-	-	-	0	0
	2006	58	16	0	-	-	0	0	74
	2007	56	0	0	-	-	-	13	69
	2008	0	0	0	-	-	-	0	0
	2009	0	108	0	-	-	-	0	108
2010	0	38	0	-	-	-	158	196	
2011	0	30	0	0	-	-	0	30	
2012	684	322	0	-	-	-	0	1,006	
2013	0	0	0	0	-	-	0	0	
2014	474	0	0	-	-	-	0	474	
201-300	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	726	0	320	NA	NA	0	1,046
	1992	233	756	24	1,348	0	0	0	2,361
	1993	1,804	419	0	659	19	25	1,148	4,073
	1994	610	636	0	539	1,069	0	881	3,736
	1995	554	2,833	52	641	0	0	0	4,081
	1996	1,638	1,924	37	1,172	0	345	252	5,368
	1997	1,119	2,332	48	2,262	396	66	2,009	8,233
	1998	0	711	17	1,651	114	323	0	2,816
1999	63	1,088	0	654	0	0	635	2,440	

Table 54. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
201-300	2000	150	834	0	1,431	0	326	0	2,741
	2001	56	840	0	507	7	286	800	2,497
	2002	275	1,459	0	1,262	0	0	0	2,996
	2003	0	1,659	0	508	0	903	2,254	5,323
	2004	69	1,045	0	2,136	0	176	281	3,708
	2005	57	470	18	471	0	108	0	1,124
	2006	67	771	0	2,168	0	222	0	3,228
	2007	29	525	27	1,406	26	39	869	2,921
	2008	209	475	0	2,344	0	1,000	104	4,132
	2009	157	1,018	0	251	0	38	573	2,037
	2010	292	1,177	0	375	0	407	2,838	5,089
	2011	230	1,821	11	190	0	578	1,375	4,204
	2012	1,158	913	0	686	0	241	1,117	4,114
	2013	0	1,101	0	1,030	0	141	629	2,901
2014	166	364	0	1,169	49	1,075	0	2,822	
301-400	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	0	28	NA	NA	0	28
	1992	-	-	0	34	19	592	125	770
	1993	-	-	0	357	10	1,898	150	2,414
	1994	-	0	0	634	275	809	431	2,149
	1995	-	0	0	948	45	639	237	1,870
	1996	-	0	23	697	27	883	148	1,779
	1997	-	0	7	1,457	232	843	839	3,377
	1998	-	0	0	481	32	412	525	1,450
	1999	-	0	0	44	6	1,365	337	1,752
	2000	-	0	0	1,868	26	3,184	228	5,306
	2001	-	0	0	564	25	1,078	292	1,960
	2002	-	0	0	833	51	1,589	114	2,587
	2003	-	0	0	225	14	1,270	603	2,111
	2004	-	0	0	429	89	1,011	673	2,202
	2005	-	0	5	785	0	781	762	2,332
	2006	-	0	0	641	112	1,597	472	2,821
2007	-	0	0	361	38	2,476	1,320	4,195	
2008	-	0	0	690	177	3,436	950	5,253	
2009	-	0	0	89	102	1,429	831	2,452	
2010	-	0	0	136	68	2,035	1,519	3,759	

Table 54. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
301-400	2011	-	0	3	87	48	4,101	660	4,899
	2012	-	0	0	572	8	2,225	450	3,255
	2013	-	0	0	146	17	878	872	1,913
	2014	-	0	0	350	92	2,207	838	3,487
401-600	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	-	-	NA	NA	0	0
	1992	-	-	-	-	0	118	21	139
	1993	-	-	-	-	0	380	0	380
	1994	-	-	-	-	4	162	52	217
	1995	-	-	-	-	0	128	19	147
	1996	-	-	-	-	0	177	12	189
	1997	-	-	-	-	130	169	59	358
	1998	-	-	-	-	20	82	99	202
	1999	-	-	-	-	38	273	10	322
	2000	-	-	-	-	117	637	44	798
	2001	-	-	-	-	8	216	30	253
	2002	-	-	-	-	58	318	15	391
	2003	-	-	-	-	20	254	11	286
	2004	-	-	-	-	6	202	28	236
	2005	-	-	-	-	16	156	13	185
	2006	-	-	-	-	87	319	25	431
	2007	-	-	0	-	7	495	48	550
	2008	-	-	-	-	47	687	67	802
	2009	-	-	-	-	4	286	40	330
2010	-	-	-	-	20	407	20	447	
2011	-	-	-	-	9	820	34	864	
2012	-	-	-	-	20	445	16	481	
2013	-	-	-	-	23	176	0	199	
2014	-	-	-	-	44	441	44	529	
601-800	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	-	-	-	NA	NA	-	0
	1992	-	-	-	-	0	-	-	0
	1993	-	-	-	-	0	-	-	0
	1994	-	-	-	-	1	-	-	1
	1995	-	-	-	-	0	-	-	0
	1996	-	-	-	-	0	-	-	0

Table 54. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
601-800	1997	-	-	-	-	22	-	-	22
	1998	-	-	-	-	3	-	-	3
	1999	-	-	-	-	6	-	-	6
	2000	-	-	-	-	19	-	-	19
	2001	-	-	-	-	1	-	-	1
	2002	-	-	-	-	10	-	-	10
	2003	-	-	-	-	3	-	-	3
	2004	-	-	-	-	1	-	-	1
	2005	-	-	-	-	3	-	-	3
	2006	-	-	-	-	14	-	-	14
	2007	-	-	0	-	1	-	-	1
	2008	-	-	-	-	8	-	-	8
	2009	-	-	-	-	1	-	-	1
	2010	-	-	-	-	3	-	-	3
	2011	-	-	-	-	2	-	-	2
2012	-	-	-	-	3	-	-	3	
2013	-	-	-	-	4	-	-	4	
2014	-	-	-	-	7	-	-	7	
151-800	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	726	27	348	NA	NA	0	1,101
	1992	2,352	1,024	37	1,382	19	710	146	5,670
	1993	3,407	509	29	1,016	28	2,302	1,298	8,590
	1994	610	676	11	1,173	1,349	971	1,363	6,154
	1995	791	2,833	59	1,590	45	767	256	6,342
	1996	1,638	2,060	60	1,869	27	1,405	413	7,472
	1997	1,119	2,526	63	3,719	780	1,078	2,908	12,192
	1998	0	711	17	2,132	169	818	624	4,471
	1999	161	1,130	0	698	51	1,638	982	4,660
	2000	519	874	24	3,298	162	4,147	273	9,296
	2001	217	840	0	1,072	41	1,580	1,122	4,872
	2002	275	1,585	0	2,095	118	1,907	129	6,110
	2003	176	1,670	5	732	37	2,427	2,868	7,915
2004	69	1,045	0	2,565	96	1,389	982	6,147	
2005	57	470	23	1,256	18	1,045	775	3,644	
2006	125	788	0	2,809	214	2,138	497	6,569	
2007	85	525	27	1,768	71	3,010	2,249	7,736	

Table 54. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-800	2008	209	475	0	3,034	232	5,122	1,121	10,194
	2009	157	1,126	0	340	107	1,753	1,444	4,928
	2010	292	1,215	0	511	92	2,849	4,535	9,494
	2011	230	1,851	14	277	59	5,499	2,070	9,999
	2012	1,842	1,235	0	1,258	32	2,911	1,582	8,860
	2013	0	1,101	0	1,176	44	1,194	1,501	5,017
	2014	640	364	0	1,518	193	3,723	882	7,320

Table 55. -- Relative population weight (RPW) of shortraker rockfish by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska (GOA), 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Yakutat Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-200	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	0	-	NA	NA	0	0
	1992	0	0	15	-	-	-	0	15
	1993	0	0	0	-	-	-	0	0
	1994	0	0	0	-	-	-	0	0
	1995	0	0	0	-	0	-	0	0
	1996	260	0	0	-	-	-	0	260
	1997	0	0	0	-	-	-	0	0
	1998	0	0	0	-	-	0	0	0
	1999	0	0	0	-	-	0	0	0
	2000	0	0	0	-	-	-	0	0
	2001	0	0	0	-	-	0	0	0
	2002	0	0	0	-	-	0	0	0
	2003	0	0	0	0	-	-	0	0
	2004	0	0	0	-	-	-	0	0
	2005	0	0	0	-	-	-	0	0
	2006	0	0	0	-	-	0	0	0
	2007	0	0	0	-	-	-	0	0
	2008	0	0	0	-	-	-	0	0
	2009	0	0	0	-	-	-	0	0
2010	0	0	0	-	-	-	0	0	
2011	0	0	0	0	-	-	0	0	
2012	0	0	0	-	-	-	0	0	
2013	0	0	0	0	0	-	-	0	0
2014	52	0	0	-	-	-	-	0	52
201-300	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	0	500	NA	NA	0	500
	1992	0	0	0	340	0	0	0	340
	1993	89	0	143	206	0	0	0	438
	1994	130	0	209	339	0	0	0	678
	1995	0	77	48	389	66	0	0	580
	1996	112	267	108	495	18	113	228	1,341
1997	207	171	63	391	0	0	1,198	2,030	
1998	0	138	106	144	0	28	365	781	
1999	233	36	454	55	0	28	0	806	

Table 55. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
201-300	2000	0	51	113	506	0	0	0	670
	2001	0	0	335	812	0	0	279	1,426
	2002	0	0	322	1,485	0	0	0	1,807
	2003	0	0	28	673	0	0	0	702
	2004	0	0	168	1,054	0	0	0	1,222
	2005	0	85	1,266	396	96	0	595	2,438
	2006	49	55	447	163	0	0	187	900
	2007	0	84	282	467	0	0	1,200	2,033
	2008	51	427	2,630	957	0	136	0	4,201
	2009	0	251	839	193	0	0	0	1,284
	2010	0	289	131	138	0	0	0	559
	2011	0	373	294	411	0	0	0	1,078
	2012	0	740	115	627	0	66	0	1,548
	2013	0	200	39	259	0	0	0	499
2014	106	370	104	1,402	118	74	0	2,173	
301-400	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	0	261	NA	NA	0	261
	1992	-	-	0	68	14	266	0	348
	1993	-	-	48	132	78	243	0	500
	1994	-	0	0	0	67	197	0	264
	1995	-	0	0	0	156	410	0	565
	1996	-	0	0	0	194	412	54	660
	1997	-	0	0	169	131	236	223	759
	1998	-	0	47	39	343	367	27	823
	1999	-	0	15	212	200	512	263	1,201
	2000	-	0	44	387	90	973	400	1,893
	2001	-	0	145	21	160	238	56	620
	2002	-	0	31	249	256	753	378	1,668
	2003	-	0	12	188	21	446	388	1,054
	2004	-	0	148	222	151	557	290	1,369
	2005	-	0	34	894	121	326	31	1,406
	2006	-	0	65	81	46	315	25	532
2007	-	0	134	0	68	741	174	1,116	
2008	-	0	1,547	477	62	605	520	3,212	
2009	-	0	273	12	86	536	80	987	
2010	-	0	153	122	6	345	50	675	

Table 55. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
301-400	2011	-	0	44	296	172	964	0	1,477
	2012	-	0	218	80	130	248	0	677
	2013	-	0	61	588	39	380	288	1,356
	2014	-	0	29	436	29	531	0	1,025
401-600	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	-	-	NA	NA	0	0
	1992	-	-	-	-	38	53	0	91
	1993	-	-	-	-	102	49	1	152
	1994	-	-	-	-	112	39	10	162
	1995	-	-	-	-	104	82	0	186
	1996	-	-	-	-	88	82	19	189
	1997	-	-	-	-	339	47	9	395
	1998	-	-	-	-	262	73	11	347
	1999	-	-	-	-	172	102	6	280
	2000	-	-	-	-	384	195	7	586
	2001	-	-	-	-	292	48	0	339
	2002	-	-	-	-	178	151	17	346
	2003	-	-	-	-	66	89	55	210
	2004	-	-	-	-	199	111	5	316
	2005	-	-	-	-	48	65	0	113
	2006	-	-	-	-	190	63	5	258
	2007	-	-	0	-	196	148	2	347
	2008	-	-	-	-	202	121	5	329
	2009	-	-	-	-	34	107	21	162
2010	-	-	-	-	293	69	2	364	
2011	-	-	-	-	181	193	1	375	
2012	-	-	-	-	209	50	0	259	
2013	-	-	-	-	91	76	0	167	
2014	-	-	-	-	116	106	0	222	
601-800	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	-	-	-	NA	NA	-	0
	1992	-	-	-	-	6	-	-	6
	1993	-	-	-	-	17	-	-	17
	1994	-	-	-	-	19	-	-	19
	1995	-	-	-	-	17	-	-	17
	1996	-	-	-	-	15	-	-	15

Table 55. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
601-800	1997	-	-	-	-	56	-	-	56
	1998	-	-	-	-	44	-	-	44
	1999	-	-	-	-	29	-	-	29
	2000	-	-	-	-	64	-	-	64
	2001	-	-	-	-	48	-	-	48
	2002	-	-	-	-	30	-	-	30
	2003	-	-	-	-	11	-	-	11
	2004	-	-	-	-	33	-	-	33
	2005	-	-	-	-	8	-	-	8
	2006	-	-	-	-	31	-	-	31
	2007	-	-	0	-	33	-	-	33
	2008	-	-	-	-	34	-	-	34
	2009	-	-	-	-	6	-	-	6
	2010	-	-	-	-	49	-	-	49
	2011	-	-	-	-	30	-	-	30
2012	-	-	-	-	35	-	-	35	
2013	-	-	-	-	15	-	-	15	
2014	-	-	-	-	19	-	-	19	
151-800	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	0	761	NA	NA	0	761
	1992	0	0	15	407	59	320	0	801
	1993	89	0	191	338	196	291	1	1,107
	1994	130	0	209	339	198	237	10	1,123
	1995	0	77	48	389	343	491	0	1,348
	1996	372	267	108	495	314	608	301	2,465
	1997	207	171	63	560	526	283	1,430	3,240
	1998	0	138	153	184	649	468	403	1,994
	1999	233	36	469	266	401	643	268	2,316
	2000	0	51	157	892	538	1,168	407	3,213
	2001	0	0	480	833	500	286	335	2,434
	2002	0	0	353	1,734	464	904	394	3,850
2003	0	0	40	861	97	535	443	1,976	
2004	0	0	316	1,277	383	668	296	2,940	
2005	0	85	1,300	1,290	273	391	626	3,965	
2006	49	55	512	244	267	379	218	1,722	
2007	0	84	416	467	297	889	1,376	3,529	

Table 55. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-800	2008	51	427	4,178	1,434	298	862	526	7,775
	2009	0	251	1,112	205	125	643	101	2,438
	2010	0	289	284	260	348	414	52	1,647
	2011	0	373	338	708	383	1,157	1	2,960
	2012	0	740	333	708	374	364	0	2,519
	2013	0	200	101	847	145	456	288	2,037
	2014	158	370	133	1,838	283	711	0	3,491

Table 56. -- Relative population weight (RPW) of Pacific cod by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska (GOA), 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-200	1990	258,700	14,284	115	-	-	-	5,214	278,312
	1991	279,132	8,981	862	-	0	-	2,337	291,311
	1992	124,975	6,766	453	-	-	-	4,677	136,871
	1993	169,240	6,344	134	-	-	-	1,880	177,598
	1994	171,473	1,431	56	-	-	-	2,549	175,508
	1995	157,709	10,820	335	-	0	-	3,622	172,486
	1996	196,288	43,287	62	-	-	-	7,342	246,980
	1997	153,037	60,973	46	-	-	-	7,536	221,592
	1998	60,047	17,247	33	-	-	625	3,287	81,238
	1999	87,039	4,241	0	-	-	4,074	5,536	100,890
	2000	62,420	6,375	71	-	-	-	5,241	74,107
	2001	25,040	443	25	-	-	1,356	4,715	31,580
	2002	39,756	2,329	0	-	-	905	5,922	48,912
	2003	106,821	2,268	0	0	-	-	5,443	114,531
	2004	92,354	3,552	0	-	-	-	4,869	100,775
	2005	216,256	1,926	19	-	-	-	3,621	221,822
	2006	142,767	1,183	0	-	-	4,836	5,145	153,929
	2007	90,593	7,066	37	-	-	-	4,147	101,842
	2008	205,636	11,277	83	-	-	-	3,758	220,753
	2009	234,562	4,017	0	-	-	-	7,705	246,284
2010	82,746	2,729	0	-	-	-	6,383	91,858	
2011	85,005	8,771	19	0	-	-	8,207	102,003	
2012	133,659	2,840	0	-	-	-	6,778	143,277	
2013	63,033	3,326	0	0	-	-	5,173	71,533	
2014	215,767	7,084	88	-	-	-	6,154	229,093	
201-300	1990	408,443	4,484	0	339	0	3,800	1,782	418,848
	1991	462,036	3,457	353	919	0	1,665	6,993	475,423
	1992	460,199	8,699	944	945	0	2,711	8,922	482,420
	1993	511,334	2,866	221	1,050	91	3,140	3,640	522,343
	1994	240,605	1,293	0	276	0	3,539	1,702	247,413
	1995	421,644	7,572	198	57	0	2,427	3,186	435,086
	1996	472,593	15,713	51	168	122	768	3,932	493,346
	1997	376,455	70,242	111	0	50	2,235	11,218	460,312
	1998	242,524	23,088	249	0	0	1,153	4,915	271,930
	1999	154,482	6,479	0	52	0	2,693	5,351	169,057

Table 56. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
201-300	2000	59,728	4,009	0	0	46	2,164	2,368	68,315
	2001	74,523	505	0	0	0	707	5,729	81,464
	2002	153,729	519	0	105	0	1,249	4,614	160,216
	2003	206,953	3,841	0	0	0	1,961	9,092	221,847
	2004	191,380	14,264	0	0	0	1,516	8,254	215,413
	2005	56,825	1,475	240	0	0	1,663	5,017	65,221
	2006	42,544	1,984	0	0	0	2,087	555	47,169
	2007	115,605	2,228	41	0	0	2,351	5,204	125,429
	2008	97,891	1,911	230	0	0	401	743	101,177
	2009	291,614	3,471	0	0	0	2,612	3,225	300,922
	2010	289,178	727	89	0	145	999	4,832	295,970
	2011	175,582	4,708	73	0	0	1,758	7,733	189,854
	2012	201,912	3,117	51	0	0	1,975	5,097	212,154
	2013	192,192	2,248	281	0	0	1,411	3,282	199,414
	2014	218,076	10,615	120	176	0	815	11,482	241,286
301-400	1990	-	-	0	0	0	366	38	404
	1991	-	0	0	0	0	521	288	809
	1992	-	-	0	0	0	710	224	933
	1993	-	-	0	0	0	605	935	1,540
	1994	-	0	0	0	0	386	66	452
	1995	-	0	0	0	0	116	0	116
	1996	-	0	0	0	0	65	0	65
	1997	-	0	0	0	0	418	18	435
	1998	-	0	0	0	0	312	69	381
	1999	-	0	0	0	0	838	706	1,544
	2000	-	0	0	0	0	57	64	121
	2001	-	0	0	0	0	0	0	0
	2002	-	0	0	0	0	31	134	165
	2003	-	0	0	0	0	0	39	39
	2004	-	0	0	0	0	15	0	15
	2005	-	0	0	0	0	0	0	0
	2006	-	0	0	0	0	0	0	0
	2007	-	0	0	0	0	16	52	68
	2008	-	0	0	0	0	0	0	0
	2009	-	0	0	0	0	38	156	194
	2010	-	0	0	0	0	38	0	38

Table 56. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
301-400	2011	-	0	0	0	0	107	0	107
	2012	-	0	0	0	0	192	110	302
	2013	-	0	0	0	0	186	106	292
	2014	-	0	0	0	0	98	0	98
401-600	1990	-	-	-	-	0	73	0	73
	1991	-	0	-	-	0	104	0	104
	1992	-	-	-	-	0	142	11	153
	1993	-	-	-	-	0	121	50	171
	1994	-	-	-	-	0	77	3	80
	1995	-	-	-	-	0	23	0	23
	1996	-	-	-	-	0	13	0	13
	1997	-	-	-	-	0	84	16	99
	1998	-	-	-	-	0	62	3	65
	1999	-	-	-	-	0	168	0	168
	2000	-	-	-	-	0	11	0	11
	2001	-	-	-	-	0	0	0	0
	2002	-	-	-	-	0	6	0	6
	2003	-	-	-	-	0	0	0	0
	2004	-	-	-	-	0	3	2	5
	2005	-	-	-	-	0	0	3	3
	2006	-	-	-	-	0	0	2	2
	2007	-	-	0	-	0	3	0	3
	2008	-	-	-	-	0	0	0	0
	2009	-	-	-	-	0	8	0	8
2010	-	-	-	-	0	8	0	8	
2011	-	-	-	-	0	21	2	23	
2012	-	-	-	-	0	38	7	46	
2013	-	-	-	-	0	37	0	37	
2014	-	-	-	-	0	20	2	21	
601-800	1990	-	-	-	-	0	-	-	0
	1991	-	-	-	-	0	-	-	0
	1992	-	-	-	-	0	-	-	0
	1993	-	-	-	-	0	-	-	0
	1994	-	-	-	-	0	-	-	0
	1995	-	-	-	-	0	-	-	0
	1996	-	-	-	-	0	-	-	0

Table 56. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
601-800	1997	-	-	-	-	0	-	-	0
	1998	-	-	-	-	0	-	-	0
	1999	-	-	-	-	0	-	-	0
	2000	-	-	-	-	0	-	-	0
	2001	-	-	-	-	0	-	-	0
	2002	-	-	-	-	0	-	-	0
	2003	-	-	-	-	0	-	-	0
	2004	-	-	-	-	0	-	-	0
	2005	-	-	-	-	0	-	-	0
	2006	-	-	-	-	0	-	-	0
	2007	-	-	0	-	0	-	-	0
	2008	-	-	-	-	0	-	-	0
	2009	-	-	-	-	0	-	-	0
	2010	-	-	-	-	0	-	-	0
	2011	-	-	-	-	0	-	-	0
	2012	-	-	-	-	0	-	-	0
	2013	-	-	-	-	0	-	-	0
	2014	-	-	-	-	0	-	-	0
151-800	1990	667,143	18,767	115	339	0	4,239	7,033	697,637
	1991	741,167	12,438	1,216	919	0	2,290	9,617	767,647
	1992	585,175	15,465	1,397	945	0	3,563	13,833	620,378
	1993	680,574	9,210	355	1,050	91	3,866	6,506	701,653
	1994	412,078	2,723	56	276	0	4,002	4,319	423,453
	1995	579,353	18,392	534	57	0	2,567	6,808	607,712
	1996	668,881	59,000	114	168	122	846	11,273	740,404
	1997	529,493	131,215	157	0	50	2,737	18,787	682,439
	1998	302,571	40,335	283	0	0	2,153	8,274	353,614
	1999	241,521	10,720	0	52	0	7,772	11,593	271,658
	2000	122,148	10,384	71	0	46	2,232	7,673	142,554
	2001	99,563	948	25	0	0	2,063	10,445	113,043
	2002	193,485	2,848	0	105	0	2,191	10,670	209,299
	2003	313,773	6,109	0	0	0	1,961	14,574	336,417
	2004	283,733	17,816	0	0	0	1,534	13,125	316,209
	2005	273,081	3,401	259	0	0	1,663	8,642	287,047
	2006	185,310	3,166	0	0	0	6,923	5,701	201,100
	2007	206,198	9,294	77	0	0	2,370	9,403	227,342

Table 56. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-800	2008	303,527	13,188	313	0	0	401	4,501	321,930
	2009	526,176	7,488	0	0	0	2,657	11,086	547,407
	2010	371,924	3,456	89	0	145	1,044	11,215	387,873
	2011	260,588	13,480	92	0	0	1,886	15,941	291,987
	2012	335,571	5,957	51	0	0	2,206	11,993	355,778
	2013	255,225	5,574	281	0	0	1,635	8,561	271,276
	2014	433,844	17,700	208	176	0	933	17,638	470,499

Table 57. -- Relative population weight (RPW) of arrowtooth flounder by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska (GOA), 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Yakutat Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-200	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	3,589	567	-	NA	NA	0	4,156
	1992	55,308	8,577	1,290	-	-	-	413	65,589
	1993	95,099	2,702	542	-	-	-	0	98,343
	1994	47,276	736	49	-	-	-	3,111	51,172
	1995	50,519	3,191	135	-	0	-	5,202	59,047
	1996	33,922	5,721	143	-	-	-	1,010	40,796
	1997	27,724	6,188	73	-	-	-	910	34,895
	1998	16,618	12,980	10	-	-	353	135	30,096
	1999	62,021	3,667	107	-	-	175	189	66,158
	2000	34,681	2,305	224	-	-	-	439	37,649
	2001	9,618	1,301	118	-	-	0	729	11,765
	2002	8,989	6,189	0	-	-	165	979	16,322
	2003	20,747	5,811	10	0	-	-	125	26,694
	2004	41,281	1,344	38	-	-	-	218	42,881
	2005	15,197	1,230	80	-	-	-	77	16,584
	2006	58,219	3,012	0	-	-	221	216	61,669
	2007	46,519	9,769	0	-	-	-	593	56,881
	2008	12,548	4,561	0	-	-	-	533	17,642
	2009	20,712	17,435	33	-	-	-	233	38,413
2010	52,399	9,986	30	-	-	-	573	62,989	
2011	22,638	3,001	330	628	-	-	858	27,455	
2012	18,688	4,350	56	-	-	-	353	23,448	
2013	33,919	4,825	0	0	-	-	147	38,891	
2014	17,931	7,320	24	-	-	-	285	25,559	
201-300	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	12,753	3,148	6,591	NA	NA	1,411	23,903
	1992	69,654	21,873	3,324	9,189	739	1,027	1,655	107,461
	1993	148,504	15,558	2,546	5,056	1,456	1,833	2,569	177,522
	1994	77,465	14,012	1,151	2,313	423	614	4,363	100,341
	1995	189,497	15,156	5,012	7,372	430	1,437	7,861	226,765
	1996	104,643	23,696	570	3,281	407	5,099	5,796	143,493
	1997	84,301	23,568	3,380	3,237	165	698	6,540	121,890
	1998	75,684	34,721	2,323	4,971	638	1,118	4,745	124,200
	1999	144,703	30,005	2,010	5,060	2,744	1,863	4,250	190,634

Table 57. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
201-300	2000	102,814	27,485	943	2,846	57	3,172	3,444	140,761
	2001	114,994	13,946	2,956	1,780	623	1,443	7,891	143,633
	2002	41,893	24,832	1,498	3,134	0	860	5,652	77,868
	2003	54,101	9,282	462	2,135	64	2,271	2,191	70,506
	2004	96,104	11,905	151	2,410	61	578	2,153	113,361
	2005	80,412	6,527	825	1,449	60	837	792	90,901
	2006	106,058	17,549	200	890	164	2,125	1,746	128,732
	2007	100,361	18,989	1,144	2,111	249	3,536	1,746	128,136
	2008	98,366	10,165	774	2,723	1,103	2,333	2,303	117,767
	2009	61,272	13,198	814	2,082	123	1,431	5,311	84,231
	2010	70,396	10,876	408	2,142	0	4,205	7,389	95,418
	2011	72,461	13,912	618	853	529	1,497	6,858	96,730
	2012	24,507	5,896	1,527	1,236	132	128	2,151	35,576
	2013	54,789	5,159	396	1,190	504	1,331	2,831	66,201
2014	44,297	18,458	458	2,181	57	1,746	4,484	71,680	
301-400	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	244	1,344	NA	NA	0	1,588
	1992	-	-	258	3,938	242	962	1,129	6,531
	1993	-	-	145	2,312	293	2,419	1,877	7,046
	1994	-	0	458	1,803	855	985	2,194	6,295
	1995	-	0	689	1,509	512	1,352	206	4,268
	1996	-	0	48	375	172	1,829	537	2,961
	1997	-	0	401	3,191	358	1,637	619	6,206
	1998	-	0	214	4,485	125	2,687	816	8,327
	1999	-	0	504	1,717	843	2,676	1,973	7,713
	2000	-	0	164	4,392	410	3,136	2,503	10,605
	2001	-	0	49	750	238	2,521	2,302	5,861
	2002	-	0	69	1,574	293	1,601	1,265	4,801
	2003	-	0	51	411	145	3,423	1,342	5,371
	2004	-	0	2	87	16	593	284	983
	2005	-	0	137	315	23	372	191	1,038
2006	-	0	9	517	62	1,289	683	2,560	
2007	-	0	196	704	130	2,687	1,549	5,265	
2008	-	0	64	479	623	1,469	506	3,140	
2009	-	0	46	341	414	2,225	1,392	4,419	
2010	-	0	103	1,154	327	1,719	1,118	4,421	

Table 57. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
301-400	2011	-	0	38	335	499	1,004	1,123	2,999
	2012	-	0	128	770	304	393	558	2,152
	2013	-	0	37	916	274	694	704	2,625
	2014	-	0	10	438	126	1,295	1,008	2,877
401-600	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	-	-	NA	NA	0	0
	1992	-	-	-	-	365	192	33	591
	1993	-	-	-	-	425	484	97	1,006
	1994	-	-	-	-	117	197	49	363
	1995	-	-	-	-	389	270	9	668
	1996	-	-	-	-	152	366	5	523
	1997	-	-	-	-	283	327	6	616
	1998	-	-	-	-	281	537	32	850
	1999	-	-	-	-	537	535	115	1,187
	2000	-	-	-	-	356	627	155	1,138
	2001	-	-	-	-	243	504	66	814
	2002	-	-	-	-	65	320	83	468
	2003	-	-	-	-	128	685	39	851
	2004	-	-	-	-	0	119	25	144
	2005	-	-	-	-	8	74	3	85
	2006	-	-	-	-	70	258	21	349
	2007	-	-	0	-	282	537	50	869
	2008	-	-	-	-	214	294	29	537
	2009	-	-	-	-	107	445	36	589
2010	-	-	-	-	158	344	76	578	
2011	-	-	-	-	180	201	135	515	
2012	-	-	-	-	134	79	18	231	
2013	-	-	-	-	89	139	0	228	
2014	-	-	-	-	130	259	27	415	
601-800	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	-	-	-	NA	NA	-	0
	1992	-	-	-	-	61	-	-	61
	1993	-	-	-	-	71	-	-	71
	1994	-	-	-	-	19	-	-	19
	1995	-	-	-	-	65	-	-	65
	1996	-	-	-	-	25	-	-	25

Table 57. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
601-800	1997	-	-	-	-	47	-	-	47
	1998	-	-	-	-	47	-	-	47
	1999	-	-	-	-	89	-	-	89
	2000	-	-	-	-	59	-	-	59
	2001	-	-	-	-	40	-	-	40
	2002	-	-	-	-	11	-	-	11
	2003	-	-	-	-	21	-	-	21
	2004	-	-	-	-	0	-	-	0
	2005	-	-	-	-	1	-	-	1
	2006	-	-	-	-	12	-	-	12
	2007	-	-	0	-	47	-	-	47
	2008	-	-	-	-	36	-	-	36
	2009	-	-	-	-	18	-	-	18
	2010	-	-	-	-	26	-	-	26
	2011	-	-	-	-	30	-	-	30
	2012	-	-	-	-	22	-	-	22
	2013	-	-	-	-	15	-	-	15
	2014	-	-	-	-	22	-	-	22
151-800	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	16,342	3,959	7,935	NA	NA	1,411	29,647
	1992	124,962	30,451	4,872	13,128	1,407	2,182	3,231	180,232
	1993	243,603	18,260	3,233	7,368	2,244	4,736	4,543	283,988
	1994	124,742	14,748	1,658	4,116	1,414	1,795	9,717	158,190
	1995	240,017	18,347	5,836	8,881	1,396	3,059	13,278	290,813
	1996	138,565	29,417	761	3,656	756	7,294	7,348	187,798
	1997	112,025	29,756	3,855	6,427	854	2,662	8,075	163,654
	1998	92,302	47,701	2,547	9,457	1,090	4,695	5,728	163,521
	1999	206,723	33,672	2,621	6,778	4,213	5,249	6,526	265,781
	2000	137,495	29,789	1,331	7,238	882	6,935	6,542	190,212
	2001	124,612	15,246	3,123	2,531	1,145	4,468	10,988	162,113
	2002	50,881	31,021	1,566	4,708	368	2,946	7,978	99,470
	2003	74,848	15,094	523	2,546	357	6,378	3,697	103,443
	2004	137,385	13,249	192	2,497	77	1,289	2,681	157,370
	2005	95,609	7,757	1,041	1,764	92	1,283	1,063	108,609
	2006	164,277	20,561	209	1,407	308	3,893	2,666	193,321
	2007	146,879	28,758	1,340	2,814	708	6,761	3,938	191,198

Table 57. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-800	2008	110,913	14,726	838	3,202	1,976	4,096	3,371	139,122
	2009	81,984	30,633	893	2,423	662	4,101	6,972	127,669
	2010	122,795	20,862	542	3,296	512	6,268	9,156	163,432
	2011	95,099	16,913	987	1,815	1,238	2,702	8,974	127,729
	2012	43,195	10,246	1,710	2,006	592	599	3,081	61,429
	2013	88,707	9,984	433	2,107	882	2,164	3,683	107,959
	2014	62,227	25,777	491	2,619	334	3,299	5,804	100,553

Table 58. -- Relative population weight (RPW) of giant grenadier by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska (GOA), 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Yakutat Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-200	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	0	-	NA	NA	0	0
	1992	0	0	0	-	-	-	0	0
	1993	0	0	0	-	-	-	0	0
	1994	0	0	0	-	-	-	0	0
	1995	0	0	0	-	0	-	0	0
	1996	0	0	0	-	-	-	0	0
	1997	0	0	0	-	-	-	0	0
	1998	0	0	0	-	-	0	0	0
	1999	0	0	0	-	-	0	0	0
	2000	0	0	0	-	-	-	0	0
	2001	0	0	0	-	-	0	0	0
	2002	0	0	0	-	-	0	0	0
	2003	0	0	0	0	-	-	0	0
	2004	0	0	0	-	-	-	0	0
	2005	0	0	0	-	-	-	0	0
	2006	0	0	0	-	-	0	0	0
	2007	0	0	0	-	-	-	0	0
	2008	0	0	0	-	-	-	0	0
	2009	0	0	0	-	-	-	0	0
2010	0	0	0	-	-	-	0	0	
2011	0	0	0	0	-	-	0	0	
2012	0	0	0	-	-	-	0	0	
2013	0	0	0	0	-	-	0	0	
2014	0	0	0	-	-	-	0	0	
201-300	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	0	0	NA	NA	0	0
	1992	0	0	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0	0
	1994	394	0	0	0	0	0	0	394
	1995	43	0	0	0	0	0	0	43
	1996	0	0	0	0	0	0	0	0
	1997	0	0	0	0	0	0	0	0
	1998	0	0	0	0	0	0	0	0
	1999	0	0	0	0	0	0	0	0

Table 58. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
201-300	2000	51	0	0	0	0	0	0	51
	2001	0	0	0	0	0	0	0	0
	2002	0	0	0	0	0	0	0	0
	2003	0	0	0	0	0	0	0	0
	2004	0	0	0	0	0	0	0	0
	2005	0	0	0	0	0	0	0	0
	2006	0	0	0	0	0	0	0	0
	2007	0	0	0	0	0	0	0	0
	2008	85	0	0	0	0	0	0	85
	2009	0	0	0	0	0	0	0	0
	2010	0	0	0	0	0	0	0	0
	2011	69	0	0	0	0	0	0	69
	2012	0	0	0	0	0	0	0	0
	2013	0	0	0	0	0	0	0	0
	2014	0	0	0	0	0	0	0	0
301-400	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	0	0	NA	NA	0	0
	1992	-	-	0	0	267	0	0	267
	1993	-	-	0	0	363	0	0	363
	1994	-	0	0	0	93	0	0	93
	1995	-	0	0	0	849	0	0	849
	1996	-	0	0	0	14	39	0	53
	1997	-	0	0	0	112	0	0	112
	1998	-	0	0	0	363	10	0	374
	1999	-	0	0	0	816	0	0	816
	2000	-	0	0	0	440	34	0	474
	2001	-	0	0	0	441	66	0	507
	2002	-	0	0	0	1,186	72	0	1,258
	2003	-	0	0	0	9	45	0	53
	2004	-	0	0	0	0	0	0	0
	2005	-	0	0	0	114	0	0	114
	2006	-	0	15	0	305	0	0	320
	2007	-	0	0	0	1,548	0	0	1,548
	2008	-	0	0	0	359	0	0	359
	2009	-	0	0	0	124	8	0	132
	2010	-	0	0	0	0	18	0	18

Table 58. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
301-400	2011	-	0	0	0	34	21	0	54
	2012	-	0	0	0	618	0	0	618
	2013	-	0	0	0	519	0	0	519
	2014	-	0	0	0	313	0	0	313
401-600	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	-	-	NA	NA	0	0
	1992	-	-	-	-	584	0	0	584
	1993	-	-	-	-	1,810	0	0	1,810
	1994	-	-	-	-	403	0	0	403
	1995	-	-	-	-	451	0	0	451
	1996	-	-	-	-	511	8	0	519
	1997	-	-	-	-	516	0	0	516
	1998	-	-	-	-	558	2	0	560
	1999	-	-	-	-	2,166	0	0	2,166
	2000	-	-	-	-	2,286	7	0	2,293
	2001	-	-	-	-	1,380	13	0	1,393
	2002	-	-	-	-	3,056	14	0	3,071
	2003	-	-	-	-	768	9	0	777
	2004	-	-	-	-	548	0	0	548
	2005	-	-	-	-	288	0	0	288
	2006	-	-	-	-	929	0	0	929
	2007	-	-	0	-	3,646	0	0	3,646
	2008	-	-	-	-	2,090	0	0	2,090
	2009	-	-	-	-	1,696	2	0	1,697
2010	-	-	-	-	1,354	4	0	1,358	
2011	-	-	-	-	805	4	0	809	
2012	-	-	-	-	1,219	0	0	1,219	
2013	-	-	-	-	1,977	0	0	1,977	
2014	-	-	-	-	773	0	0	773	
601-800	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	-	-	-	NA	NA	-	0
	1992	-	-	-	-	97	-	-	97
	1993	-	-	-	-	301	-	-	301
	1994	-	-	-	-	67	-	-	67
	1995	-	-	-	-	75	-	-	75
	1996	-	-	-	-	85	-	-	85

Table 58. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
601-800	1997	-	-	-	-	86	-	-	86
	1998	-	-	-	-	93	-	-	93
	1999	-	-	-	-	360	-	-	360
	2000	-	-	-	-	380	-	-	380
	2001	-	-	-	-	229	-	-	229
	2002	-	-	-	-	508	-	-	508
	2003	-	-	-	-	128	-	-	128
	2004	-	-	-	-	91	-	-	91
	2005	-	-	-	-	48	-	-	48
	2006	-	-	-	-	154	-	-	154
	2007	-	-	0	-	606	-	-	606
	2008	-	-	-	-	347	-	-	347
	2009	-	-	-	-	282	-	-	282
	2010	-	-	-	-	225	-	-	225
2011	-	-	-	-	134	-	-	134	
2012	-	-	-	-	202	-	-	202	
2013	-	-	-	-	328	-	-	328	
2014	-	-	-	-	128	-	-	128	
151-800	1990	NA	NA	NA	NA	NA	NA	NA	NA
	1991	NA	0	0	0	NA	NA	0	0
	1992	0	0	0	0	948	0	0	948
	1993	0	0	0	0	2,474	0	0	2,474
	1994	394	0	0	0	563	0	0	957
	1995	43	0	0	0	1,374	0	0	1,417
	1996	0	0	0	0	609	47	0	656
	1997	0	0	0	0	714	0	0	714
	1998	0	0	0	0	1,013	13	0	1,026
	1999	0	0	0	0	3,342	0	0	3,342
	2000	51	0	0	0	3,105	41	0	3,197
	2001	0	0	0	0	2,050	80	0	2,130
	2002	0	0	0	0	4,750	87	0	4,837
	2003	0	0	0	0	905	54	0	958
2004	0	0	0	0	639	0	0	639	
2005	0	0	0	0	450	0	0	450	
2006	0	0	15	0	1,388	0	0	1,402	
2007	0	0	0	0	5,800	0	0	5,800	

Table 58. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-800	2008	85	0	0	0	2,796	0	0	2,881
	2009	0	0	0	0	2,101	10	0	2,111
	2010	0	0	0	0	1,579	21	0	1,601
	2011	69	0	0	0	972	25	0	1,066
	2012	0	0	0	0	2,039	0	0	2,039
	2013	0	0	0	0	2,825	0	0	2,825
	2014	0	0	0	0	1,215	0	0	1,215

Table 59. -- Relative population weight (RPW) of Greenland turbot by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska (GOA), 1990-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Yakutat Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-200	1990	0	0	0	-	-	-	0	0
	1991	0	0	0	-	0	-	0	0
	1992	0	0	0	-	-	-	0	0
	1993	0	0	0	-	-	-	0	0
	1994	0	0	0	-	-	-	0	0
	1995	0	0	0	-	0	-	0	0
	1996	0	0	0	-	-	-	0	0
	1997	0	0	0	-	-	-	0	0
	1998	0	0	0	-	-	0	0	0
	1999	0	0	0	-	-	0	0	0
	2000	0	0	0	-	-	-	0	0
	2001	0	0	0	-	-	0	0	0
	2002	0	0	0	-	-	0	0	0
	2003	0	0	0	0	-	-	0	0
	2004	0	0	0	-	-	-	0	0
	2005	0	0	0	-	-	-	0	0
	2006	0	0	0	-	-	0	0	0
	2007	0	0	0	-	-	-	0	0
	2008	0	0	0	-	-	-	0	0
	2009	0	0	0	-	-	-	0	0
2010	0	0	0	-	-	-	0	0	
2011	0	0	0	0	-	-	0	0	
2012	0	0	0	-	-	-	0	0	
2013	0	0	0	0	0	-	0	0	
2014	0	0	0	-	-	-	0	0	
201-300	1990	0	0	0	0	0	0	0	0
	1991	0	0	0	0	0	0	0	0
	1992	0	0	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0	0
	1995	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	
1997	0	0	0	0	0	0	0	0	
1998	0	0	0	0	0	0	0	0	
1999	0	0	0	0	0	0	0	0	

Table 59. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
201-300	2000	0	0	0	0	0	0	0	0
	2001	0	0	0	0	0	0	0	0
	2002	0	0	0	0	0	0	0	0
	2003	0	0	0	0	0	0	0	0
	2004	0	0	0	0	0	0	0	0
	2005	0	0	0	0	0	0	0	0
	2006	0	0	0	0	0	0	0	0
	2007	0	0	0	0	0	0	0	0
	2008	0	0	0	0	0	0	0	0
	2009	0	0	0	0	0	0	0	0
	2010	0	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0	0
	2013	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	
301-400	1990	-	-	0	0	0	0	0	0
	1991	-	0	0	0	0	0	0	0
	1992	-	-	0	0	0	0	0	0
	1993	-	-	0	0	0	0	0	0
	1994	-	0	0	0	0	0	0	0
	1995	-	0	0	0	0	0	0	0
	1996	-	0	0	0	0	0	0	0
	1997	-	0	0	0	0	0	0	0
	1998	-	0	0	0	0	0	0	0
	1999	-	0	0	0	0	0	0	0
	2000	-	0	0	0	0	0	0	0
	2001	-	0	0	0	0	0	0	0
	2002	-	0	0	0	0	0	0	0
	2003	-	0	0	0	0	0	0	0
	2004	-	0	0	0	0	0	0	0
	2005	-	0	0	0	0	0	0	0
	2006	-	0	0	0	0	0	0	0
2007	-	0	0	0	0	0	0	0	
2008	-	0	0	0	0	0	0	0	
2009	-	0	0	0	0	0	0	0	
2010	-	0	0	0	0	0	0	0	

Table 59. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
301-400	2011	-	0	0	0	0	0	0	0
	2012	-	0	0	0	0	0	0	0
	2013	-	0	0	0	0	0	0	0
	2014	-	0	0	0	0	0	0	0
401-600	1990	-	-	-	-	0	0	0	0
	1991	-	0	-	-	0	0	0	0
	1992	-	-	-	-	0	0	0	0
	1993	-	-	-	-	0	0	0	0
	1994	-	-	-	-	0	0	0	0
	1995	-	-	-	-	0	0	0	0
	1996	-	-	-	-	0	0	0	0
	1997	-	-	-	-	0	0	0	0
	1998	-	-	-	-	0	0	0	0
	1999	-	-	-	-	0	0	0	0
	2000	-	-	-	-	0	0	0	0
	2001	-	-	-	-	0	0	0	0
	2002	-	-	-	-	0	0	0	0
	2003	-	-	-	-	0	0	0	0
	2004	-	-	-	-	0	0	0	0
	2005	-	-	-	-	0	0	0	0
	2006	-	-	-	-	0	0	0	0
	2007	-	-	0	-	0	0	0	0
	2008	-	-	-	-	0	0	0	0
	2009	-	-	-	-	0	0	0	0
2010	-	-	-	-	0	0	0	0	
2011	-	-	-	-	0	0	0	0	
2012	-	-	-	-	0	0	0	0	
2013	-	-	-	-	0	0	0	0	
2014	-	-	-	-	0	0	0	0	
601-800	1990	-	-	-	-	0	-	-	0
	1991	-	-	-	-	0	-	-	0
	1992	-	-	-	-	0	-	-	0
	1993	-	-	-	-	0	-	-	0
	1994	-	-	-	-	0	-	-	0
	1995	-	-	-	-	0	-	-	0
	1996	-	-	-	-	0	-	-	0

Table 59. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
601-800	1997	-	-	-	-	0	-	-	0
	1998	-	-	-	-	0	-	-	0
	1999	-	-	-	-	0	-	-	0
	2000	-	-	-	-	0	-	-	0
	2001	-	-	-	-	0	-	-	0
	2002	-	-	-	-	0	-	-	0
	2003	-	-	-	-	0	-	-	0
	2004	-	-	-	-	0	-	-	0
	2005	-	-	-	-	0	-	-	0
	2006	-	-	-	-	0	-	-	0
	2007	-	-	0	-	0	-	-	0
	2008	-	-	-	-	0	-	-	0
	2009	-	-	-	-	0	-	-	0
	2010	-	-	-	-	0	-	-	0
2011	-	-	-	-	0	-	-	0	
2012	-	-	-	-	0	-	-	0	
2013	-	-	-	-	0	-	-	0	
2014	-	-	-	-	0	-	-	0	
151-800	1990	0	0	0	0	0	0	0	0
	1991	0	0	0	0	0	0	0	0
	1992	0	0	0	0	0	0	0	0
	1993	0	0	0	0	0	0	0	0
	1994	0	0	0	0	0	0	0	0
	1995	0	0	0	0	0	0	0	0
	1996	0	0	0	0	0	0	0	0
	1997	0	0	0	0	0	0	0	0
	1998	0	0	0	0	0	0	0	0
	1999	0	0	0	0	0	0	0	0
	2000	0	0	0	0	0	0	0	0
	2001	0	0	0	0	0	0	0	0
	2002	0	0	0	0	0	0	0	0
	2003	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0	
2005	0	0	0	0	0	0	0	0	
2006	0	0	0	0	0	0	0	0	
2007	0	0	0	0	0	0	0	0	

Table 59. -- Cont.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-800	2008	0	0	0	0	0	0	0	0
	2009	0	0	0	0	0	0	0	0
	2010	0	0	0	0	0	0	0	0
	2011	0	0	0	0	0	0	0	0
	2012	0	0	0	0	0	0	0	0
	2013	0	0	0	0	0	0	0	0
	2014	0	0	0	0	0	0	0	0

Table 60. -- Relative population weight (RPW) of spiny dogfish by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska (GOA), 2010-2014. A dash (-) indicates there was no effort.

Depth (m)	Year	Central GOA		West Yakutat		East Yakutat/Southeast			Total
		Shelikof Trough	Amatuli Gully	W- Grounds	Yakutat Valley	Spencer Gully	Ommaney Trench	Dixon Entrance	
151-200	2010	1,944	7,139	134	-	-	-	2,214	11,432
	2011	0	1,949	1,988	0	-	-	3,570	7,508
	2012	0	5,110	137	-	-	-	745	5,992
	2013	0	2,707	0	0	-	-	1,967	4,674
	2014	0	31,270	1,285	-	-	-	1,186	33,741
201-300	2010	6,778	39,345	172	730	37	3,005	4,006	54,073
	2011	687	8,433	530	0	128	1,103	9,381	20,262
	2012	1,111	7,000	91	659	1,289	1,198	3,070	14,418
	2013	67	4,694	0	88	212	2,226	1,572	8,859
	2014	2,738	41,495	1,395	29	119	1,203	3,876	50,855
301-400	2010	-	0	11	307	3	125	933	1,379
	2011	-	0	0	22	41	163	2,915	3,141
	2012	-	0	29	411	811	340	518	2,109
	2013	-	0	0	0	9	889	399	1,297
	2014	-	0	0	44	18	314	261	637
401-600	2010	-	-	-	-	0	25	25	50
	2011	-	-	-	-	9	33	86	127
	2012	-	-	-	-	1,255	68	12	1,335
	2013	-	-	-	-	9	178	32	218
	2014	-	-	-	-	0	63	13	76
601-800	2010	-	-	-	-	0	-	-	0
	2011	-	-	-	-	1	-	-	1
	2012	-	-	-	-	208	-	-	208
	2013	-	-	-	-	1	-	-	1
	2014	-	-	-	-	0	-	-	0
151-800	2010	8,722	46,484	317	1,037	40	3,154	7,179	66,933
	2011	687	10,382	2,518	22	179	1,298	15,953	31,039
	2012	1,111	12,110	257	1,070	3,563	1,606	4,344	24,061
	2013	67	7,400	0	88	231	3,293	3,969	15,048
	2014	2,738	72,765	2,680	73	137	1,579	5,337	85,309

Table 61. -- Relative population number (RPN) of sablefish by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-1995. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin Gully	Alsek Strath	Iphagenia Gully	Total
151-200	1990	9,960	1,093	29	11,082
	1991	22,635	2,311	143	25,089
	1992	16,004	2,450	9	18,462
	1993	21,010	1,477	9	22,496
	1994	13,407	1,060	11	14,478
	1995	13,250	-	-	13,250
201-300	1990	1,531	3,064	8,988	13,583
	1991	9,402	6,649	15,564	31,615
	1992	3,503	6,308	8,757	18,568
	1993	4,270	2,810	8,822	15,902
	1994	7,680	2,290	6,141	16,111
	1995	3,985	-	-	3,985
301-400	1990	-	-	-	-
	1991	-	-	-	-
	1992	-	-	0	0
	1993	-	-	-	-
	1994	-	-	-	-
	1995	-	-	-	-
151-400	1990	11,491	4,157	9,017	24,664
	1991	32,037	8,960	15,707	56,704
	1992	19,507	8,758	8,765	37,030
	1993	25,280	4,286	8,832	38,398
	1994	21,087	3,350	6,152	30,589
	1995	17,235	-	-	17,235

Table 62. -- Relative population number (RPN) of shortspine thornyhead by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-1995. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin Gully	Asek Strath	Iphagenia Gully	Total
151-200	1990	0	0	0	0
	1991	0	23	0	23
	1992	0	0	0	0
	1993	0	0	0	0
	1994	0	0	0	0
	1995	0	-	-	0
201-300	1990	0	74	356	429
	1991	0	92	1,056	1,147
	1992	0	124	608	732
	1993	0	100	523	623
	1994	0	59	206	265
	1995	0	-	-	0
301-400	1990	-	-	-	-
	1991	-	-	-	-
	1992	-	-	0	0
	1993	-	-	-	-
	1994	-	-	-	-
	1995	-	-	-	-
151-400	1990	0	74	356	429
	1991	0	115	1,056	1,171
	1992	0	124	608	732
	1993	0	100	523	623
	1994	0	59	206	265
	1995	0	-	-	0

Table 63. -- Relative population number (RPN) of roughey and blackspotted rockfish by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-1995. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin Gully	Alek Strath	Iphagenia Gully	Total
151-200	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	0	0	0	0
	1993	0	0	0	0
	1994	32	0	0	32
	1995	0	-	-	0
201-300	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	68	50	15	133
	1993	29	69	189	287
	1994	0	143	76	219
	1995	7	-	-	7
301-400	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	-	-	0	0
	1993	-	-	-	-
	1994	-	-	-	-
	1995	-	-	-	-
151-400	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	68	50	15	133
	1993	29	69	189	287
	1994	32	143	76	251
	1995	7	-	-	7

Table 64. -- Relative population number (RPN) of shortraker rockfish by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-1995. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin Gully	Alek Strath	Iphagenia Gully	Total
151-200	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	0	0	0	0
	1993	0	0	0	0
	1994	0	0	0	0
	1995	0	-	-	0
201-300	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	6	9	0	16
	1993	0	0	0	0
	1994	0	0	0	0
	1995	0	-	-	0
301-400	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	-	-	0	0
	1993	-	-	-	-
	1994	-	-	-	-
	1995	-	-	-	-
151-400	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	6	9	0	16
	1993	0	0	0	0
	1994	0	0	0	0
	1995	0	-	-	0

Table 65. -- Relative population number (RPN) of Pacific cod by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-1995. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin Gully	Alsek Strath	Iphagenia Gully	Total
151-200	1990	7,985	633	1,614	10,231
	1991	7,158	907	3,847	11,913
	1992	13,131	1,103	1,006	15,240
	1993	3,867	3,831	2,501	10,199
	1994	19,225	518	1,237	20,980
	1995	20,443	-	-	20,443
201-300	1990	285	55	7,632	7,971
	1991	53	104	7,285	7,442
	1992	654	57	5,225	5,936
	1993	166	140	2,657	2,962
	1994	1,751	0	3,565	5,316
	1995	1,958	-	-	1,958
301-400	1990	-	-	-	-
	1991	-	-	-	-
	1992	-	-	0	0
	1993	-	-	-	-
	1994	-	-	-	-
	1995	-	-	-	-
151-400	1990	8,270	688	9,246	18,203
	1991	7,212	1,011	11,133	19,355
	1992	13,785	1,160	6,230	21,175
	1993	4,033	3,971	5,157	13,161
	1994	20,976	518	4,802	26,296
	1995	22,401	-	-	22,401

Table 66. -- Relative population number (RPN) of arrowtooth flounder by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-1995. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin Gully	Alek Strath	Iphagenia Gully	Total
151-200	1990	4,497	1,009	182	5,687
	1991	3,903	850	143	4,896
	1992	3,495	1,203	43	4,742
	1993	1,037	600	299	1,936
	1994	3,647	331	46	4,023
	1995	5,828	-	-	5,828
201-300	1990	839	903	755	2,496
	1991	890	1,251	1,793	3,933
	1992	1,173	1,383	1,444	4,001
	1993	280	1,304	2,706	4,291
	1994	1,360	530	765	2,656
	1995	1,136	-	-	1,136
301-400	1990	-	-	-	-
	1991	-	-	-	-
	1992	-	-	0	0
	1993	-	-	-	-
	1994	-	-	-	-
	1995	-	-	-	-
151-400	1990	5,336	1,911	936	8,184
	1991	4,792	2,101	1,937	8,830
	1992	4,668	2,586	1,488	8,743
	1993	1,318	1,904	3,005	6,227
	1994	5,007	861	811	6,679
	1995	6,963	-	-	6,963

Table 67. -- Relative population number (RPN) of Pacific halibut by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-1995. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin Gully	Alek Strath	Iphagenia Gully	Total
151-200	1990	3,281	633	1,427	5,342
	1991	5,136	760	1,014	6,910
	1992	1,684	1,797	3,035	6,517
	1993	2,965	2,143	1,442	6,550
	1994	1,694	852	1,354	3,900
	1995	5,174	-	-	5,174
201-300	1990	322	505	8,004	8,831
	1991	673	702	8,483	9,858
	1992	223	761	7,907	8,891
	1993	105	1,539	8,390	10,034
	1994	435	648	5,104	6,187
	1995	724	-	-	724
301-400	1990	-	-	-	-
	1991	-	-	-	-
	1992	-	-	0	0
	1993	-	-	-	-
	1994	-	-	-	-
	1995	-	-	-	-
151-400	1990	3,603	1,138	9,431	14,172
	1991	5,809	1,462	9,497	16,768
	1992	1,908	2,558	10,942	15,408
	1993	3,070	3,682	9,831	16,584
	1994	2,129	1,499	6,458	10,087
	1995	5,899	-	-	5,899

Table 68. -- Relative population number (RPN) of giant grenadier by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-1995. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin Gully	Asek Strath	Iphagenia Gully	Total
151-200	1990	NA	NA	NA	NA
	1991	NA	NA	NA	0
	1992	0	0	0	0
	1993	0	0	0	0
	1994	0	0	0	0
	1995	0	-	-	0
201-300	1990	NA	NA	NA	NA
	1991	NA	NA	NA	0
	1992	0	0	0	0
	1993	0	0	22	22
	1994	8	4	0	12
	1995	0	-	-	0
301-400	1990	NA	NA	NA	NA
	1991	NA	NA	NA	-
	1992	-	-	0	0
	1993	-	-	-	-
	1994	-	-	-	-
	1995	-	-	-	-
151-400	1990	NA	NA	NA	NA
	1991	NA	NA	NA	0
	1992	0	0	0	0
	1993	0	0	22	22
	1994	8	4	0	12
	1995	0	-	-	0

Table 69. -- Relative population number (RPN) of Greenland turbot by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-1995. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin Gully	Alek Strath	Iphagenia Gully	Total
151-200	1990	0	0	0	0
	1991	0	0	0	0
	1992	0	0	0	0
	1993	0	0	0	0
	1994	0	0	0	0
	1995	0	-	-	0
201-300	1990	0	0	0	0
	1991	0	0	0	0
	1992	0	0	0	0
	1993	0	0	0	0
	1994	0	0	0	0
	1995	0	-	-	0
301-400	1990	-	-	-	-
	1991	-	-	-	-
	1992	-	-	0	0
	1993	-	-	-	-
	1994	-	-	-	-
	1995	-	-	-	-
151-400	1990	0	0	0	0
	1991	0	0	0	0
	1992	0	0	0	0
	1993	0	0	0	0
	1994	0	0	0	0
	1995	0	-	-	0

Table 70. -- Relative population number (RPN) of spiny dogfish by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-1995. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin Gully	Alek Strath	Iphagenia Gully	Total
151-200	1990	64	86	391	541
	1991	39	903	870	1,813
	1992	32	1,816	1,518	3,365
	1993	170	963	0	1,132
	1994	0	0	1,024	1,024
	1995	0	-	-	0
201-300	1990	14	65	676	754
	1991	0	134	2,555	2,689
	1992	13	142	5,935	6,090
	1993	20	197	2,288	2,505
	1994	0	25	4,949	4,974
	1995	0	-	-	0
301-400	1990	-	-	-	-
	1991	-	-	-	-
	1992	-	-	0	0
	1993	-	-	-	-
	1994	-	-	-	-
	1995	-	-	-	-
151-400	1990	78	151	1,066	1,295
	1991	39	1,037	3,425	4,502
	1992	45	1,958	7,453	9,455
	1993	190	1,160	2,288	3,637
	1994	0	25	5,973	5,998
	1995	0	-	-	0

Table 71. -- Relative population number (RPN) of Pacific sleeper shark by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-1995. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin Gully	Alek Strath	Iphagenia Gully	Total
151-200	1990	0	0	0	0
	1991	0	0	0	0
	1992	0	0	0	0
	1993	0	0	0	0
	1994	0	0	0	0
	1995	0	-	-	0
201-300	1990	0	4	0	4
	1991	0	6	0	6
	1992	0	17	0	17
	1993	0	20	0	20
	1994	0	8	0	8
	1995	0	-	-	0
301-400	1990	-	-	-	-
	1991	-	-	-	-
	1992	-	-	0	0
	1993	-	-	-	-
	1994	-	-	-	-
	1995	-	-	-	-
151-400	1990	0	4	0	4
	1991	0	6	0	6
	1992	0	17	0	17
	1993	0	20	0	20
	1994	0	8	0	8
	1995	0	-	-	0

Table 72. -- Relative population weight (RPW) of sablefish by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-1995. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin Gully	Alek Strath	Iphagenia Gully	Total
151-200	1990	28,438	2,733	114	31,285
	1991	58,527	8,271	256	67,054
	1992	40,232	7,770	9	48,010
	1993	47,640	518	23	48,182
	1994	37,852	5,082	31	42,964
	1995	34,441	-	-	34,441
201-300	1990	2,631	9,572	24,432	36,635
	1991	25,517	26,487	43,291	95,295
	1992	10,716	24,902	21,790	57,407
	1993	10,200	9,372	19,871	39,443
	1994	21,607	11,404	22,206	55,217
	1995	10,136	-	-	10,136
301-400	1990	-	-	-	-
	1991	-	-	-	-
	1992	-	-	0	0
	1993	-	-	-	-
	1994	-	-	-	-
	1995	-	-	-	-
151-400	1990	31,069	12,305	24,546	67,920
	1991	84,044	34,758	43,547	162,349
	1992	50,947	32,671	21,799	105,417
	1993	57,840	9,891	19,894	87,624
	1994	59,459	16,486	22,236	98,181
	1995	44,578	-	-	44,578

Table 73. -- Relative population weight (RPW) of shortspine thornyhead by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-1995. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin Gully	Asek Strath	Iphagenia Gully	Total
151-200	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	0	0	0	0
	1993	0	0	0	0
	1994	0	0	0	0
	1995	0	-	-	0
201-300	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	0	61	235	297
	1993	0	41	210	250
	1994	0	25	87	112
	1995	0	-	-	0
301-400	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	-	-	0	0
	1993	-	-	-	-
	1994	-	-	-	-
	1995	-	-	-	-
151-400	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	0	61	235	297
	1993	0	41	210	250
	1994	0	25	87	112
	1995	0	-	-	0

Table 74. -- Relative population weight (RPW) of rougheye and blackspotted rockfish by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-1995. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin Gully	Alek Strath	Iphagenia Gully	Total
151-200	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	0	0	0	0
	1993	0	0	0	0
	1994	47	0	0	47
	1995	0	-	-	0
201-300	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	76	52	7	135
	1993	35	103	490	628
	1994	0	208	216	423
	1995	11	-	-	11
301-400	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	-	-	0	0
	1993	-	-	-	-
	1994	-	-	-	-
	1995	-	-	-	-
151-400	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	76	52	7	135
	1993	35	103	490	628
	1994	47	208	216	471
	1995	11	-	-	11

Table 75. -- Relative population weight (RPW) of shortraker rockfish by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-1995. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin Gully	Alek Strath	Iphagenia Gully	Total
151-200	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	0	0	0	0
	1993	0	0	0	0
	1994	0	0	0	0
	1995	0	-	-	0
201-300	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	4	28	0	32
	1993	0	0	0	0
	1994	0	0	0	0
	1995	0	-	-	0
301-400	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	-	-	0	0
	1993	-	-	-	-
	1994	-	-	-	-
	1995	-	-	-	-
151-400	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	4	28	0	32
	1993	0	0	0	0
	1994	0	0	0	0
	1995	0	-	-	0

Table 76. -- Relative population weight (RPW) of Pacific cod by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-1995. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin Gully	Alsek Strath	Iphagenia Gully	Total
151-200	1990	20,916	2,665	4,092	27,672
	1991	20,033	3,696	10,621	34,349
	1992	38,676	4,696	2,743	46,114
	1993	11,652	16,239	7,174	35,065
	1994	55,333	2,078	4,189	61,599
	1995	58,579	-	-	58,579
201-300	1990	1,134	354	26,522	28,010
	1991	167	367	28,559	29,093
	1992	2,053	179	19,306	21,539
	1993	517	536	10,363	11,417
	1994	5,048	0	14,857	19,905
	1995	6,102	-	-	6,102
301-400	1990	-	-	-	-
	1991	-	-	-	-
	1992	-	-	0	0
	1993	-	-	-	-
	1994	-	-	-	-
	1995	-	-	-	-
151-400	1990	22,049	3,019	30,614	55,682
	1991	20,200	4,062	39,180	63,443
	1992	40,729	4,875	22,049	67,653
	1993	12,170	16,776	17,537	46,482
	1994	60,381	2,078	19,046	81,504
	1995	64,681	-	-	64,681

Table 77. -- Relative population weight (RPW) of arrowtooth flounder by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-1995. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin Gully	Alek Strath	Iphagenia Gully	Total
151-200	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	5,285	2,277	112	7,673
	1993	2,095	1,047	770	3,913
	1994	10,674	657	58	11,389
	1995	12,180	-	-	12,180
201-300	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	1,863	2,816	3,004	7,683
	1993	557	2,683	5,854	9,094
	1994	3,472	1,164	2,106	6,741
	1995	1,972	-	-	1,972
301-400	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	-	-	0	0
	1993	-	-	-	-
	1994	-	-	-	-
	1995	-	-	-	-
151-400	1990	NA	NA	NA	NA
	1991	NA	NA	NA	NA
	1992	7,148	5,093	3,116	15,356
	1993	2,652	3,730	6,624	13,006
	1994	14,146	1,821	2,164	18,131
	1995	14,151	-	-	14,151

Table 78. -- Relative population weight (RPW) of giant grenadier by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-1995. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin Gully	Asek Strath	Iphagenia Gully	Total
151-200	1990	NA	NA	NA	NA
	1991	NA	NA	NA	0
	1992	0	0	0	0
	1993	0	0	0	0
	1994	0	0	0	0
	1995	0	-	-	0
201-300	1990	NA	NA	NA	NA
	1991	NA	NA	NA	0
	1992	0	0	0	0
	1993	0	0	0	0
	1994	0	0	0	0
	1995	0	-	-	0
301-400	1990	NA	NA	NA	NA
	1991	NA	NA	NA	-
	1992	-	-	0	0
	1993	-	-	-	-
	1994	-	-	-	-
	1995	-	-	-	-
151-400	1990	NA	NA	NA	NA
	1991	NA	NA	NA	0
	1992	0	0	0	0
	1993	0	0	0	0
	1994	0	0	0	0
	1995	0	-	-	0

Table 79. -- Relative population weight (RPW) of Greenland turbot by gully and depth interval from National Marine Fisheries Service longline surveys of the Gulf of Alaska, 1990-1995. A dash (-) indicates there was no effort.

Depth (m)	Year	Shumagin Gully	Alek Strath	Iphagenia Gully	Total
151-200	1990	0	0	0	0
	1991	0	0	0	0
	1992	0	0	0	0
	1993	0	0	0	0
	1994	0	0	0	0
	1995	0	-	-	0
201-300	1990	0	0	0	0
	1991	0	0	0	0
	1992	0	0	0	0
	1993	0	0	0	0
	1994	0	0	0	0
	1995	0	-	-	0
301-400	1990	-	-	-	-
	1991	-	-	-	-
	1992	-	-	0	0
	1993	-	-	-	-
	1994	-	-	-	-
	1995	-	-	-	-
151-400	1990	0	0	0	0
	1991	0	0	0	0
	1992	0	0	0	0
	1993	0	0	0	0
	1994	0	0	0	0
	1995	0	-	-	0

Table 80. -- Species and numbers caught from National Marine Fisheries Service longline surveys during 1990 - 2014.

Common Name	Scientific Name	Number Caught
Sablefish	<i>Anoplopoma fimbria</i>	2,224,924
Giant grenadier	<i>Albatrossia pectoralis</i>	1,285,397
Pacific cod	<i>Gadus macrocephalus</i>	438,914
Shortspine thornyhead	<i>Sebastolobus alascanus</i>	326,659
Arrowtooth flounder	<i>Atheresthes stomias</i>	298,864
Pacific halibut	<i>Hippoglossus stenolepis</i>	243,620
Rougeye rockfish	<i>Sebastes aleutianus</i>	112,488
Skates unidentified	<i>Rajidae</i>	99,214
Shorthead rockfish	<i>Sebastes borealis</i>	85,125
Spiny dogfish	<i>Squalus acanthias</i>	69,165
Pacific grenadier	<i>Coryphaenoides acrolepis</i>	57,254
Aleutian/Bering/Alaska Skate Complex		30,856
Greenland turbot	<i>Reinhardtius hippoglossoides</i>	28,414
Walleye pollock	<i>Theragra chalcogramma</i>	27,304
Sea anemone unident.		24,110
Redbanded rockfish	<i>Sebastes babcocki</i>	20,666
Popeye grenadier	<i>Coryphaenoides cinereus</i>	16,340
Sea pen or Sea Whip		11,182
Dover sole	<i>Microstomus pacificus</i>	11,075
Lips or Jaws - Whale Predation		10,707
Yellow Irish lord	<i>Hemilepidotus jordani</i>	9,848
Longnose skate	<i>Raja rhina</i>	8,300
Yelloweye rockfish	<i>Sebastes ruberrimus</i>	7,780
Brittlestarfish	<i>Ophiuroid, unidentified</i>	7,142
Gorgonian Coral unident.		5,612
whiteblotched skate	<i>Bathyraja maculata</i>	5,442
Starfish unident.	<i>Class Asteroidea</i>	3,765
Sponge, unidentified		3,745
Spotted ratfish	<i>Hydrolagus colliei</i>	3,616
Pacific flatnose	<i>Antimora microlepis</i>	3,217
Invertebrate unident.		3,016
Flathead sole	<i>Hippoglossoides elassodon</i>	3,002
commander skate	<i>Bathyraja lindbergi</i>	2,945
Unidentified		2,543
Lingcod	<i>Ophiodon elongatus</i>	2,019
Crinoid, unidentified		1,847
hydrocoral unident.		1,699
Rosethorn rockfish	<i>Sebastes helvomaculatus</i>	1,597
Darkfin sculpin	<i>Malacocottus zonurus</i>	1,524
Pacific sleeper shark	<i>Somniosus pacificus</i>	1,511

Table 80. -- Cont.

Common Name	Scientific Name	Number Caught
Basketstarfish, unident.		1,408
Blackfin sculpin	<i>Malacocottus kincaidi</i>	1,402
Sculpin, unidentified	<i>Cottidae</i>	1,382
mud skate	<i>Bathyraja taranetzi</i>	1,297
Eelpout, unidentified	<i>Zoarcidae</i>	1,293
Dusky rockfish	<i>Sebastes ciliatus</i>	1,119
Longspine Thornyhead	<i>Sebastolobus altivelis</i>	1,113
Silvergray rockfish	<i>Sebastes brevispinis</i>	962
True tanner crab	<i>Chionoecetes tanneri</i>	885
Canary rockfish	<i>Sebastes pinniger</i>	779
Pacific Ocean Perch	<i>Sebastes alutus</i>	709
Searcher	<i>Bathymaster signatus</i>	645
Coho salmon	<i>Oncorhynchus kisutch</i>	525
Golden King Crab (Golden)	<i>Lithodes aequispina</i>	510
Skate Egg Case Unident.	<i>Rajidae Unident.</i>	489
Northern rockfish	<i>Sebastes polyspinus</i>	467
Rock sole	<i>Lepidopsetta bilineata</i>	358
Red Tree Coral	<i>Primnoa</i> sp.	356
Octopus	<i>Octopus, unidentified</i>	330
Slender Sea Cucumber	<i>Bathyploetes</i> spp.	326
Black Coral unident.		319
Giant wrymouth	<i>Delolepis gigantea</i>	266
Polychaete tubes	<i>Polychaete tubes</i>	245
bivalve unident.	<i>Bivalvia unident.</i>	230
snail unident.	<i>Gastropod unident.</i>	216
Tanner crab, unident.	<i>Chionoecetes</i>	199
rougtail skate	<i>Bathyraja trachura</i>	191
hydroid		190
Greenstriped rockfish	<i>Sebastes elongatus</i>	179
whitebrow skate	<i>Bathyraja minispinosa</i>	169
Bamboo Coral unident.		150
Pacific pomfret	<i>Brama japonica</i>	143
Scallop unident.		122
Salmon and trouts unident.	<i>Salmonidae, unidentified</i>	108
Couesi King Crab (scarlet)	<i>Lithodes couesi</i>	101
Crab, unidentified		97
big skate	<i>Raja binoculata</i>	96
Sea urchin unident.		94
slender seawhips	<i>Stylatula</i> sp.	88
Blue shark	<i>Prionace glauca</i>	87
Aurora rockfish	<i>Sebastes aurora</i>	83

Table 80. -- Cont.

Common Name	Scientific Name	Number Caught
Albatross unident.		83
Black-footed albatross	<i>Phoebastria nigripes</i>	82
sunflower sea star	<i>Pycnopodia helianthoides</i>	80
hydroid unident.		59
Bairdi Tanner Crab	<i>Chionocetes bairdi</i>	57
Atka mackerel	<i>Pleurogrammus monoptyerygius</i>	56
Bubble Gum Coral	<i>Paragorgia arborea</i>	51
Bigmouth sculpin	<i>Hemitripterus bolini</i>	42
cup coral	<i>Scleractinia unident.</i>	38
Blackgill rockfish	<i>Sebastes melanostomus</i>	36
sea cucumber unident.	<i>Holothuroidea unident.</i>	36
Rockfish, unidentified	<i>Sebastes, unidentified</i>	34
Red king crab	<i>Paralithodes camtschatica</i>	34
Twoline eelpout	<i>Bothrocara brunneum</i>	26
Salmon shark	<i>Lamna ditropis</i>	25
Great sculpin	<i>Myoxocephalus polyacanthoceph</i>	24
Pomfret, unidentified	<i>Bramidae</i>	22
Armorhead sculpin	<i>Gymnocanthus tricuspis</i>	21
snail eggs	<i>gastropod eggs</i>	19
tunicate unident.	<i>Ascidian unident.</i>	18
Sharpchin rockfish	<i>Sebastes zacentrus</i>	18
Laysan albatross	<i>Phoebastria immutabilis</i>	15
Fulmar		14
Rex sole	<i>Errex zachirus</i>	14
Greenling, unidentified	<i>Hexagrammidae</i>	14
Angulatus Tanner Crab. (triangle)	<i>Chionoecetes angulatus</i>	14
sea potato	<i>Styela rustica</i>	12
Darkblotched rockfish	<i>Sebastes crameri</i>	12
box crab, unidentified	<i>Lopholithodes sp.</i>	11
snailfish unident.	<i>Liparidinae</i>	9
Tiger Rockfish	<i>Sebastes nigrocinctus</i>	9
broadfin thornyhead	<i>Sebastolobus macrochir</i>	9
Skilfish	<i>Erilepis zonifer</i>	8
Prowfish	<i>Zaprora silenus</i>	7
Harlequin rockfish	<i>Sebastes variegatus</i>	6
hagfish unident.	<i>Myxinidae</i>	5
redstripe rockfish	<i>Sebastes proriger</i>	4
Bocaccio rockfish	<i>Sebastes paucispinis</i>	4
black rockfish	<i>Sebastes melanops</i>	3
Chum Salmon	<i>Oncorhynchus keta</i>	3
Pacific lamprey	<i>Lampetra tridentata</i>	3

Table 80. -- Cont.

Common Name	Scientific Name	Number Caught
poacher unident.	<i>Agonidae</i>	3
unsorted shab		2
Lyre crab unident.	<i>Hyas lyratus</i>	2
pink salmon	<i>Oncorhynchus gorbuscha</i>	2
flatfish unident.	<i>Pleuronectiformes</i>	2
jellyfish unident.	<i>Scyphozoa</i>	2
blob sculpin, unident.	<i>Psychrolutes</i> sp.	1
English sole	<i>Parophrys vetulus</i>	1
lamprey unident.	<i>Petromyzontidae</i>	1
Pacific hake	<i>Merluccius productus</i>	1
Hyas sp.	<i>Hyas</i> sp.	1
yellowfin sole	<i>Limanda aspera</i>	1
snow crab	<i>Chionoectes opilio</i>	1
Korean Horsehair crab	<i>Enmacrus isenbecki</i>	1
common mud star	<i>Ctenodiscus crispatus</i>	1
squid unident.		1
ronquil unident.	<i>Bathymasteridae</i>	1
Myoxocephalix sp.		1

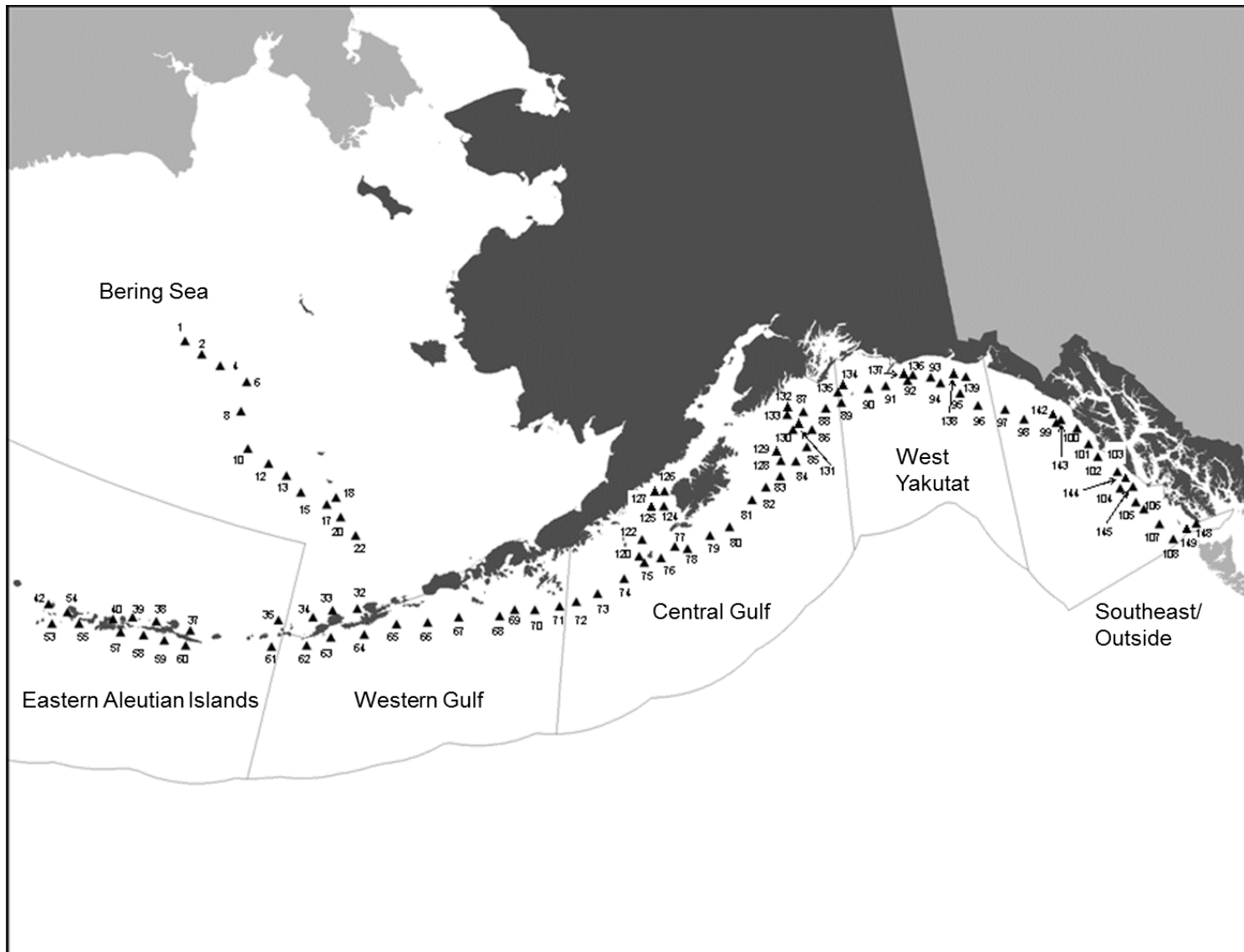


Figure 1. -- NMFS Longline Survey stations.

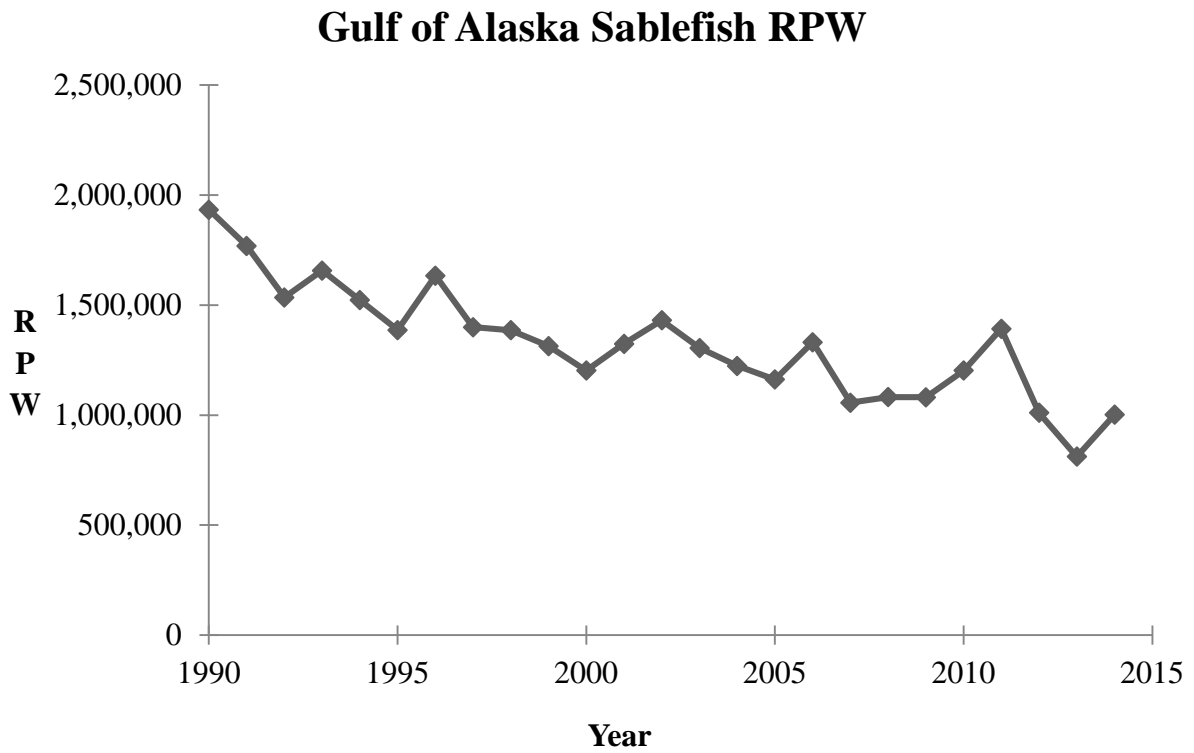
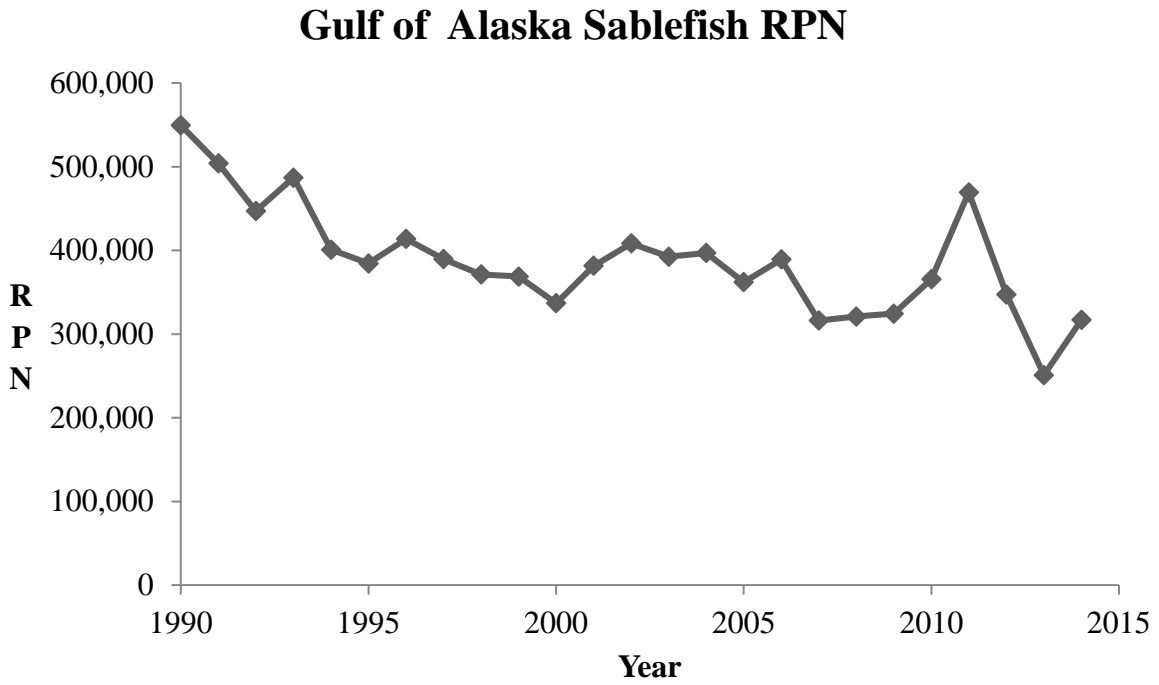
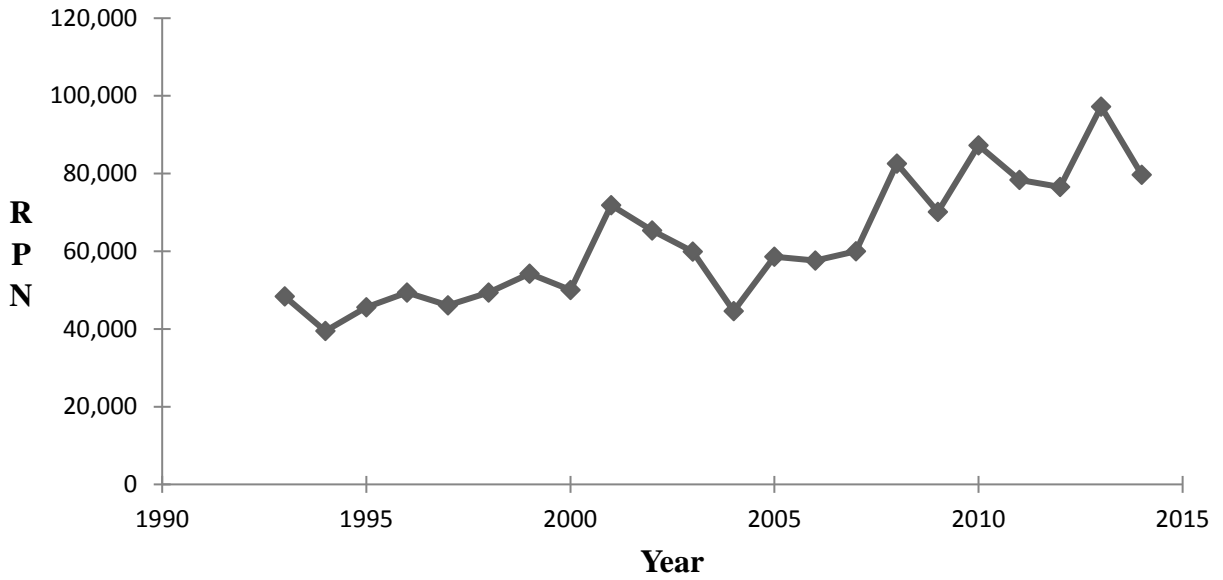


Figure 2. -- Gulf of Alaska sablefish relative population number (RPN) and relative biomass (RPW), 1990- 2014.

Gulf of Alaska Shortspine Thornyhad RPN



Gulf of Alaska Shortspine Thornyhead RPW

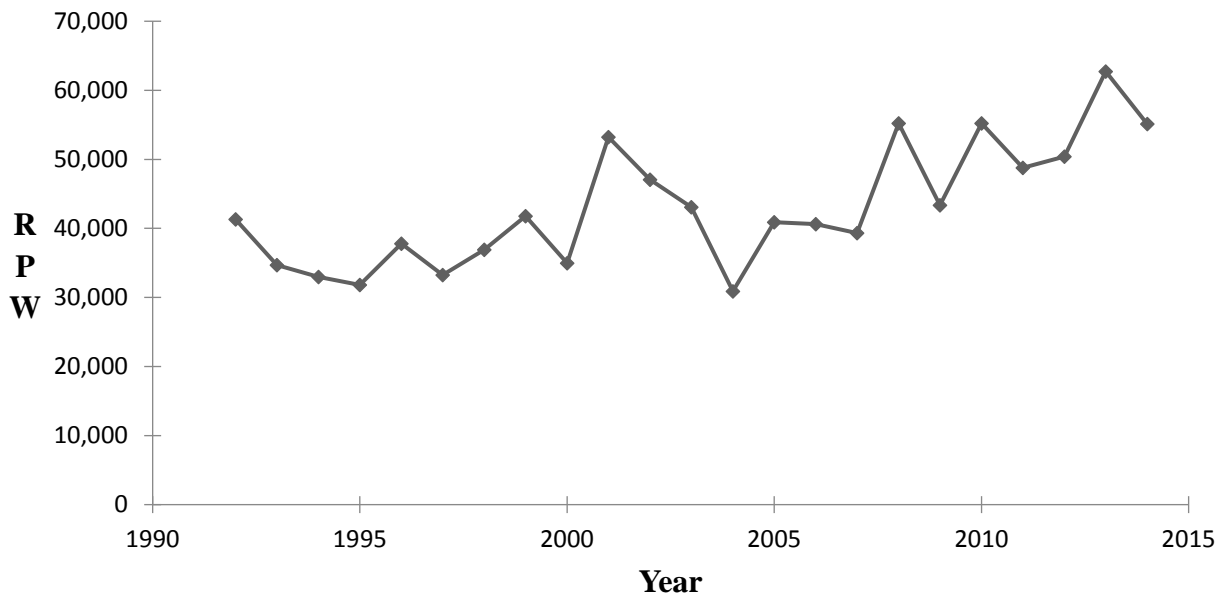
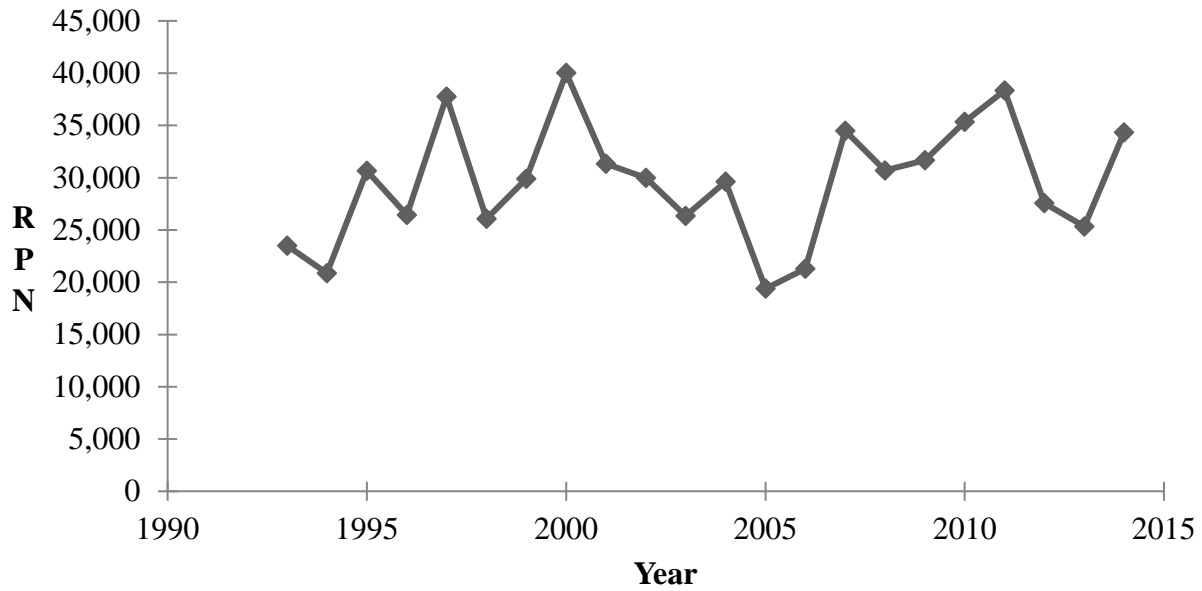


Figure 3. -- Gulf of Alaska shortspine thornyhead relative population number (RPN) and relative biomass (RPW), 1990- 2014.

Gulf of Alaska Rougheye and Blackspotted Rockfish RPN



Gulf of Alaska Rougheye and Black Spotted Rockfish RPW

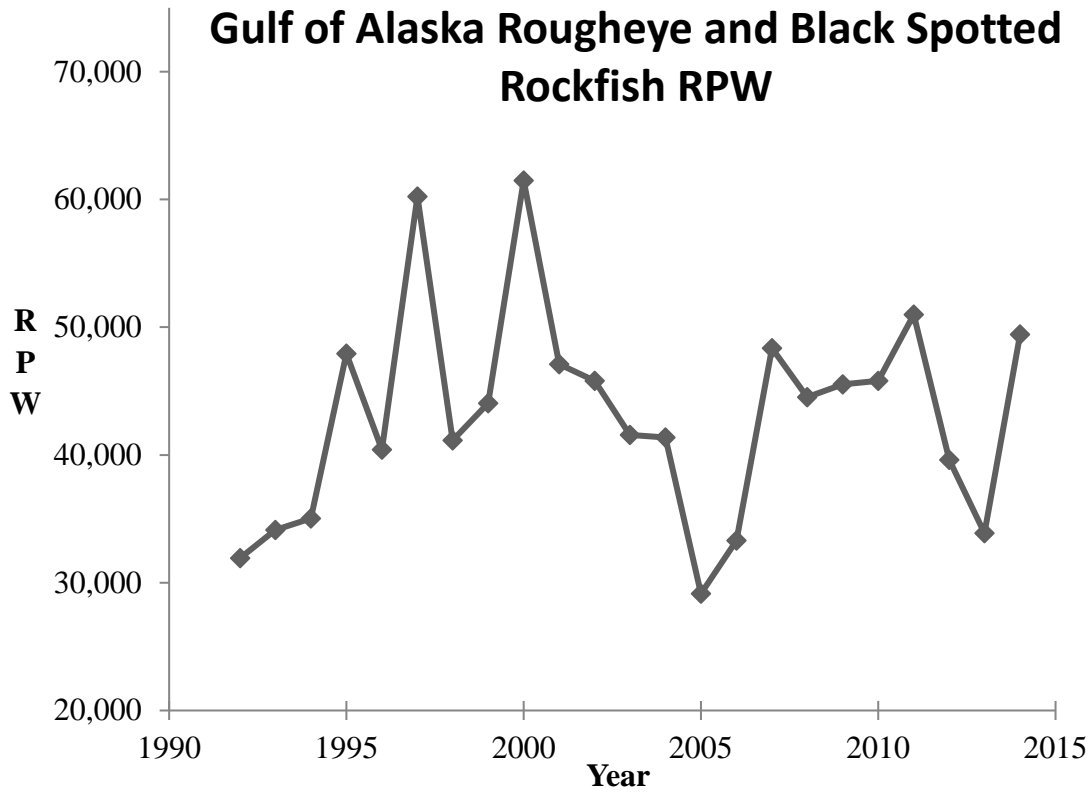
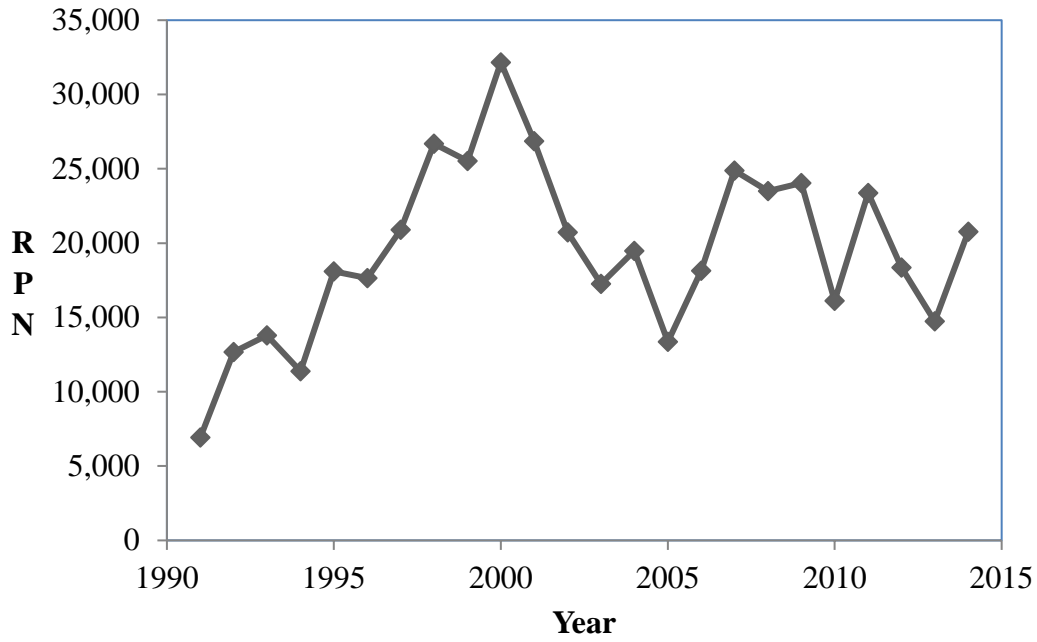


Figure 4. -- Gulf of Alaska rougheye and black spotted rockfish relative population number (RPN) and relative biomass (RPW), 1990- 2014.

Gulf of Alaska Shortraker Rockfish RPN



Gulf of Alaska Shortraker Rockfish RPW

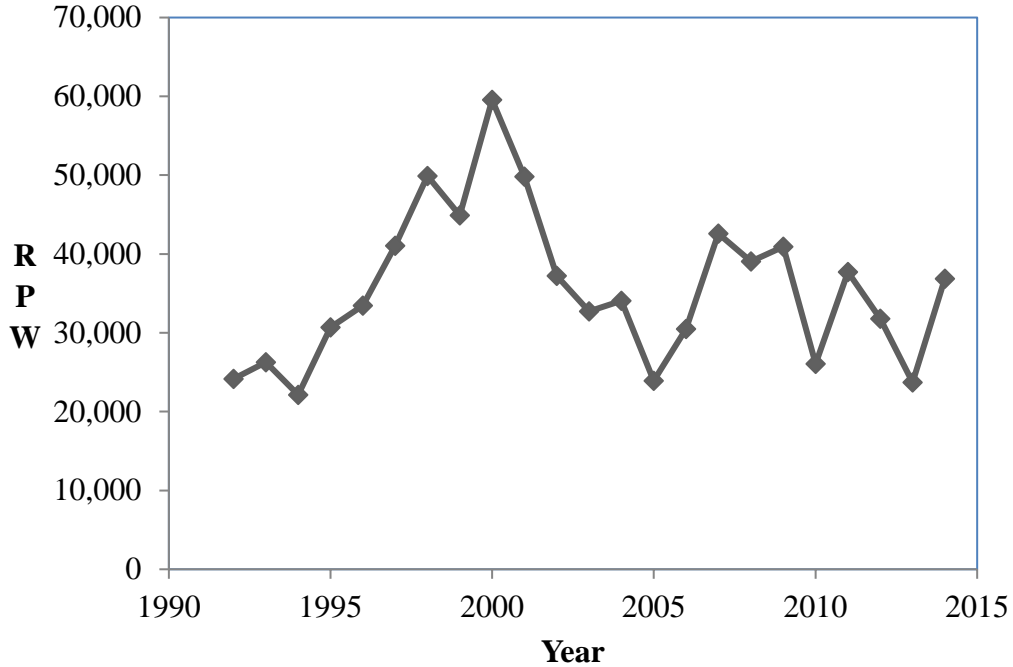


Figure 5. -- Gulf of Alaska shortraker rockfish relative population number (RPN) and relative biomass (RPW), 1990 - 2014.

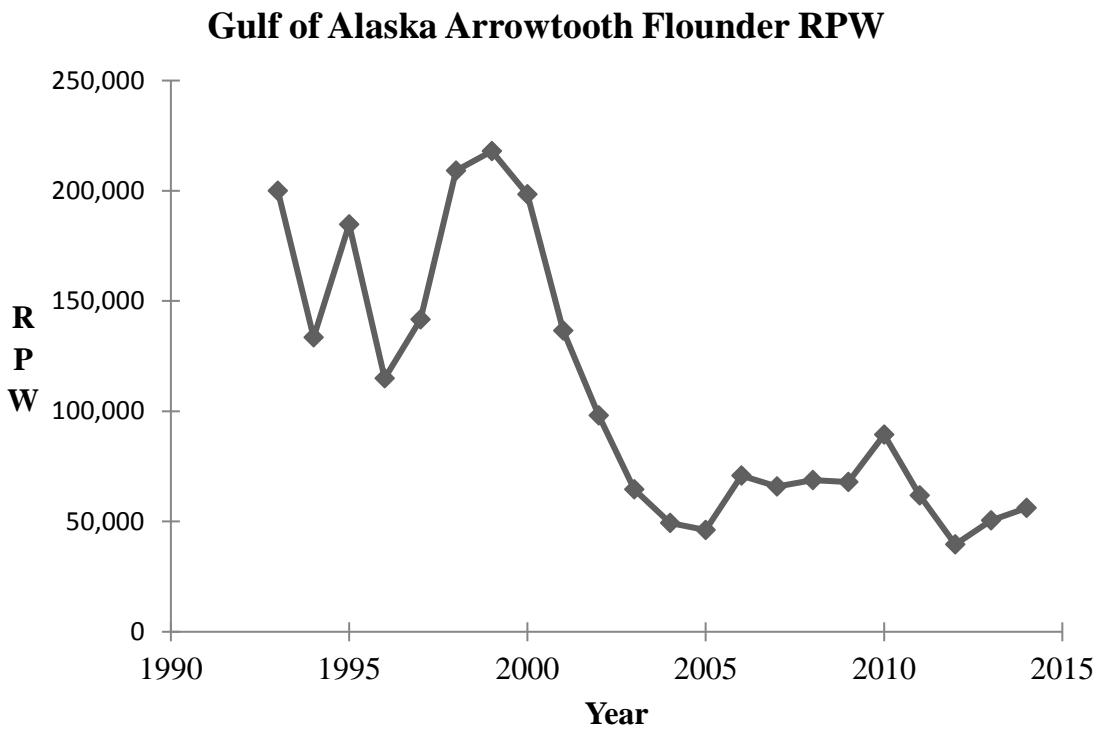
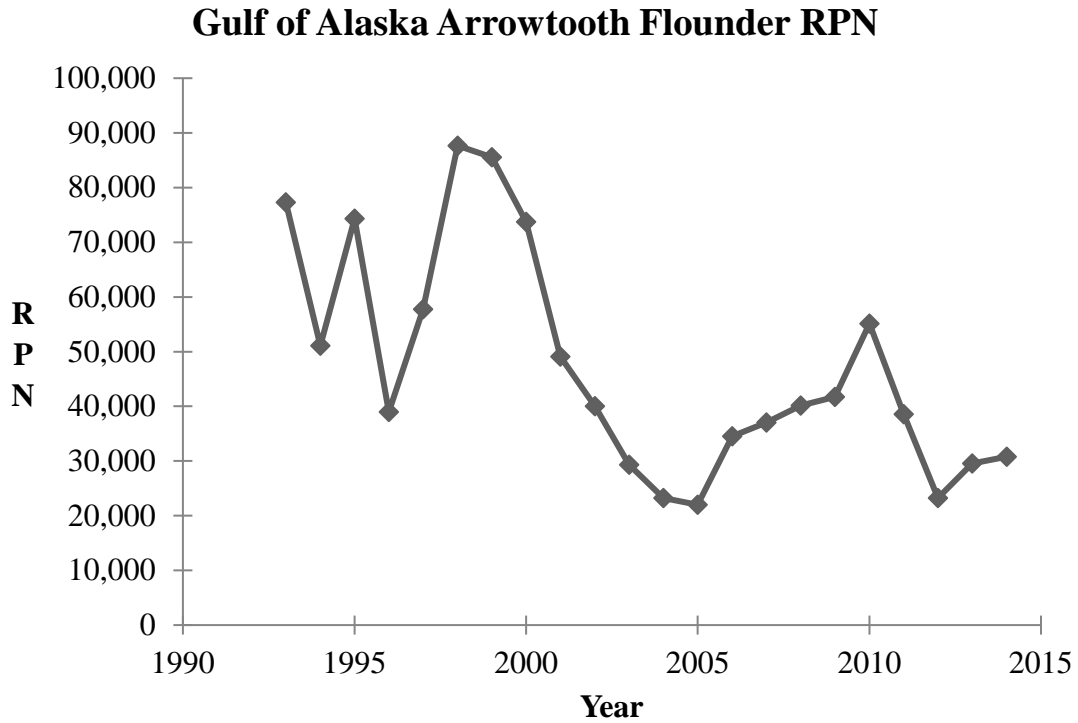


Figure 6. -- Gulf of Alaska arrowtooth flounder relative population number (RPN) and relative biomass (RPW), 1990- 2014.

APPENDIX

1998 Hook-Cluster Experiment

A hook-cluster experiment was conducted near Yakutat during July 21-27. The purpose of the experiment was to test an assumption on how to interpret the longline survey results. The survey catch per skate is assumed to be an index of relative abundance; for example, a 10% difference in catch rate reflects a 10% difference in relative abundance. This assumption would be wrong if bait location by sablefish is more difficult after several baits are taken; then the relationship between catch rate and relative abundance would be nonlinear and the gear would be said to "saturate". Results from hook-timer experiments show that the probability that a sablefish locates a bait does not change, at least as long as half the baits remain available.

The purpose of the hook-cluster experiment was to test the ability of sablefish to locate baited hooks when there are gaps between clusters of hooks. The gaps are equivalent to line intervals unavailable to capture of fish. Sablefish must locate the clusters of available baits between the gaps. Varying the length of the gaps provides information on the search area of sablefish and their ability to locate available baits. Although the gap varies, the total number of hooks per skate is standardized to eliminate increasing attraction area with more hooks. Gaps from 4 to 42 m were tested. If sablefish catch rate is the same for all gaps, this implies that sablefish are efficient bait predators and that saturation does not occur at least when baits are spaced less than 42 m apart.

1999 Hook-Spacing Experiment

A longline hook-spacing experiment was conducted near Yakutat during 25-26 July 1999. The purpose of the experiment was to test an assumption on how to interpret longline fishery catch rates. The fishery catch per skate is assumed to be an index of relative abundance; for example, a 10% difference in catch rate reflects a 10% difference in relative abundance. This assumption would be wrong if increasing the hook spacing increased the fishing power of each hook. Most (about 70%) sablefish longline fishermen currently use 1 meter hook spacing, but this spacing differs between vessels and may change with time. In the hook-spacing experiment, circle hooks (size 13/0) baited with squid were used. Four hook spacings were tested, 0.5, 1, 2, and 4 m. Six sets were completed. Each set contained all hook spacings. For both this experiment and an earlier hook spacing experiment conducted in 1986, catch rate per hook increased as hook spacing increased to an asymptote at four meter spacing. Catch per hook for one-meter spacing, the most common spacing currently in the fishery, was about half that for the four-meter spacing. These results imply that fishery catch rates should be standardized by longline set to account for differences in hook spacing.

2000 Hook-Spacing Experiment

A longline hook-spacing experiment was conducted near Yakutat during 25-26 July 2000. The purpose of the experiment was to test an assumption on how to interpret longline fishery catch rates. The fishery catch per skate is assumed to be an index of relative abundance, for example, a 10% difference in catch rate reflects a 10% difference in relative abundance. This assumption would be wrong if increasing the hook spacing increased the fishing power of each hook. Most (about 70%) sablefish longline fishermen currently use 1 m hook spacing, but this spacing differs among vessels and may change with time. In the hook-spacing experiment, circle hooks (size 13/0) baited with squid were used. Four hook spacings were tested, 0.5, 1, 2, and 4 m. Six sets were completed. Each set contained all hook spacings. For both this experiment and earlier hook spacing experiments conducted in 1986 and 1999, catch rate per hook increased as hook spacing increased to an asymptote at four meter spacing. Catch per hook for 1-m spacing, the most common spacing currently in the fishery, was about half that for the 4-m spacing. These results imply that analysis of fishery catch rates should be standardized by longline set to account for differences in hook spacing.

2001 Hook-Spacing Experiment

A longline hook-spacing experiment was conducted near Yakutat 25-26 July 2001. The purpose of the experiment was to test an assumption on how to interpret longline fishery catch rates. The fishery catch per skate is assumed to be an index of relative abundance. For example, a 10% difference in catch rate reflects a 10% difference in relative abundance. This assumption would be wrong if increasing the hook spacing increased the fishing power of each hook. Most (about 70%) sablefish longline fishermen currently use 1 m hook spacing, but this spacing differs among vessels and may change with time. In the hook-spacing experiment, circle hooks (size 13/0) baited with squid were used. Four hook spacings were tested, 0.5, 1, 2, and 4 m. Six sets were completed. Each set contained all hook spacings. For both this experiment and earlier hook spacing experiments conducted in 1986 and 1999-2001 catch rate per hook increased as hook spacing increased to an asymptote at the four meter spacing.

2002 Hook-Spacing Experiment

A longline hook-spacing experiment was conducted near Yakutat during 25-26 July 2002. The purpose of the experiment was to test an assumption on how to interpret longline fishery catch rates. The fishery catch per skate is assumed to be an index of relative abundance, for example, a 10% difference in catch rate reflects a 10% difference in relative abundance. This assumption would be wrong if increasing the hook spacing increased the fishing power of each hook. Most (about 70%) sablefish longline fishermen currently use 1-m hook spacing, but this spacing differs among vessels and may change with time. In the hook-spacing experiment, circle hooks (size 13/0) baited with squid were used. Four hook spacings were tested, 0.5, 1, 2, and 4 m. Six sets were completed. Each set contained all hook spacings. For both this experiment and earlier hook spacing experiments conducted in 1986, 1999 and 2001, catch rate per hook increased as hook spacing increased to an asymptote at 4-m spacing. Catch per hook for one-meter spacing, the most common spacing currently in the fishery, was about half that for the

four-meter spacing. These results imply that analysis of fishery catch rates should be standardized by longline set to account for differences in hook spacing.

2003 Hook-Spacing Experiment

A longline hook spacing experiment was conducted near Yakutat 25-26 July 2003. The purpose of the experiment was to test an assumption on how to interpret longline fishery catch rates. The fishery catch per skate is assumed to be an index of relative abundance. For example, a 10% difference in catch rate reflects a 10% difference in relative abundance. This assumption would be wrong if increasing the hook spacing increased the fishing power of each hook. Most (about 70%) sablefish longline fishermen currently use 1-m hook spacing, but this spacing differs among vessels and may change with time. In the hook spacing experiment, circle hooks (size 13/0) baited with squid were used. Four hook spacings were tested, 0.5, 1, 2, and 4 m. Six sets were completed. Each set contained all hook spacings. For both this experiment and earlier hook spacing experiments conducted in 1986 and 1999-2001 catch rate per hook increased as hook spacing increased to an asymptote at the 4-m spacing. Catch per hook for one meter spacing, the most common spacing currently in the fishery, was about half that for the four meter spacing. These results imply that analysis of fishery catch rates should be standardized by longline set to account for differences in hook spacing.

2004 Hook-Spacing Experiment

A longline hook-spacing experiment was conducted near Yakutat during 25-26 July 2004. The purpose of the experiment was to test an assumption on how to interpret longline fishery catch rates. The fishery catch per skate is assumed to be an index of relative abundance, for example, a 10% difference in catch rate reflects a 10% difference in relative abundance. This assumption would be wrong if increasing the hook spacing increased the fishing power of each hook. Most (about 70%) sablefish longline fishermen currently use 1 meter hook spacing, but this spacing differs among vessels and may change with time. In the hook-spacing experiment, circle hooks (size 13/0) baited with squid were used. Four hook spacings were tested, 0.5, 1, 2, and 4 m. Six sets were completed. Each set contained all hook spacings. For both this experiment and earlier hook spacing experiments conducted in 1986, 1999 and 2001-2003, catch rate per hook increased as hook spacing increased to an asymptote at four meter spacing. Catch per hook for 1-m spacing, the most common spacing currently in the fishery, was about half that for the 4-m spacing. These results imply that analysis of fishery catch rates should be standardized by longline set to account for differences in hook spacing.

2005 Rougheye Rockfish genetics Experiment

A rougheye rockfish genetics experiment was conducted near Yakutat during 25-26 July 2005. Recent genetic work by ABL and the University of Alaska Fairbanks (UAF) indicates there may be two genetically distinct species of rougheye rockfish (*Sebastes aleutianus*). Many of the specimens used for this analysis were collected during the sablefish longline survey. One of the hypotheses of this work is that these two species are separated by depth. Only a general

depth stratum with an accuracy of approximately 100 m was available for specimens collected from the longline survey. More accurate depth information is necessary to determine if there is a depth specific influence on these two species.

The purpose of this study was to collect genetic tissue of rougheye rockfish along with detailed depth information to investigate depth specific distribution of rougheye rockfish. Sixteen time depth recorders were placed along the groundline to record accurate depth measurements. Ninety-eight rougheye rockfish were caught and sampled for genetic identification. Results should help to determine if depth differences exist between the two species.

2006 Rougheye Rockfish genetics Experiment

A rougheye rockfish genetics experiment was conducted near Yakutat 25-26 July 2006. Recent genetic work by ABL and the University of Alaska Fairbanks (UAF) indicates there may be two genetically distinct species of rougheye rockfish (*Sebastes aleutianus*). One of the hypotheses of this previous work is that these two species are separated by depth. Many of the specimens used for the previous analysis were collected during the sablefish longline survey. But only a general depth stratum with an accuracy of approximately 100 m was available for specimens collected from the longline survey. More accurate depth information was necessary to determine if there is a depth-specific influence on these two species.

The purpose of the 2006 study was to collect genetic tissue of rougheye rockfish along with detailed depth information to investigate depth specific distribution of rougheye rockfish. Sixteen time depth recorders were placed along the groundline to record accurate depth measurements. One-hundred forty-nine rougheye rockfish were caught and sampled for genetic identification. Results should help to determine if depth differences exist between the two species.

2007 Hook Baiting Experiment

A gear experiment was conducted near Yakutat during July 25-26 to test the differences in catching efficiencies between auto-bait gear and standard hand-baited survey gear. Auto-bait machines have increased in popularity among the fleet in Alaska and are now commonly used by many vessels as the preferred baiting method. With the increase in vessels using auto-bait gear, experienced hand-bait vessels may be more difficult to find to conduct surveys. Additionally, auto-bait machines use a different gear than what is currently used on the survey. The groundline is typically different, gangions are different lengths, swivels are used on auto-bait gear, and hooks are straight rather than offset. Conducting the survey using auto-bait gear may sacrifice the time series without statistical calibration studies whereas maintaining hand-baiting may become more difficult as more vessels switch to auto-bait gear. To ensure the future of the survey time series, we plan to conduct a series of experiments which will test the fishing effectiveness of auto-bait gear side-by-side with hand-bait gear. Each day two sets were made for a total of four sets. For each set 80 skates were deployed. Ten skates of standard survey gear (2 m spacing, 45 hooks) were placed next to each anchor to avoid gear snarls with the experimental gear. Beginning on the eleventh skate modified

survey gear (1.2 m spacing, 73 hooks) was alternated with auto-bait gear (1.2 m spacing, 73 hooks) every tub of gear (every two skates). This configuration was done for a total of 60 skates (30 of each gear type).

Preliminary results indicate standard survey gear outfished auto-bait gear. These results indicate the potential of different catching efficiencies between the two gear types. To better understand differences in catch rates further studies will likely be done during future surveys to test the effects of hook size, gangion length, gangion swivels, and differences in groundline.

2008 Hook Baiting Experiment

A gear experiment was conducted near Yakutat July during 25-26 to test the differences in catching efficiencies between auto-bait gear and standard hand-baited survey gear. Auto-bait machines have increased in popularity among the fleet in Alaska and are now commonly used by many vessels as the preferred baiting method. With the increase in vessels using auto-bait gear, experienced hand-bait vessels may be more difficult to find to conduct surveys. Additionally, auto-bait machines use a different gear than what is currently used on the survey. The groundline is typically different, gangions are different lengths, swivels are used on auto-bait gear, and hooks are straight rather than offset. Conducting the survey using auto-bait gear may sacrifice the time series without statistical calibration studies whereas maintaining hand-baiting may become more difficult as more vessels switch to auto-bait gear. To ensure the future of the survey time series, we plan to conduct a series of experiments which will test the fishing effectiveness of auto-bait gear side-by-side with hand-bait gear. Each day two sets were made for a total of four sets. For each set 80 skates were deployed. Ten skates of standard survey gear (2m spacing, 45 hooks) were placed next to each anchor to avoid gear snarls with the experimental gear. Beginning on the eleventh skate modified survey gear (1.2m spacing, 73 hooks) was alternated with auto-bait gear (1.2m spacing, 73 hooks) every tub of gear (every two skates). This configuration was done for a total of 60 skates (30 of each gear type).

Preliminary results indicate standard survey gear outfished auto-bait gear. These results indicate the potential of different catching efficiencies between the two gear types. To better understand differences in catch rates further studies will likely be done during future surveys to test the effects of hook size, gangion length, gangion swivels, and differences in groundline.

2009 Sperm Whale Depredation Experiment

A sperm whale depredation experiment was conducted near Yakutat during July 21-22 to test methods for quantifying depredation rates. Sperm whale depredation has become frequent enough during recent longline surveys that it may be starting to affect population estimates. Information regarding sperm whale depredation has been collected during the longline survey since 1998. Killer whales also depredate on the longline but defining depredation is much easier as catch is greatly reduced when killer whales are present. Efforts to quantify the amount of sablefish removed from the longline by sperm whales, however, have been attempted but are difficult due to the natural variation of catch at different locations and times. Accurate estimates of depredation are needed to effectively estimate the total number of sablefish lost to whale predation and to determine if depredation is increasing over time. If depredation is increasing over time, baseline removal estimates are needed in order to standardize survey catch rates which are used for setting annual harvest quotas.

The 2-day experiment was a collaborative effort between the Southeast Alaska Sperm Whale Avoidance Project, the Alaska Longline Fishermen’s Association, Scripps Institution of Oceanography, the University of Alaska, and the Alaska Fisheries Science Center. Researchers were on-board to assess whether acoustic recording of “creak” sounds produced by sperm whales for echolocation could provide a low-cost means for remotely measuring depredation activity around a longline vessel. A “creak” is a rapid series of clicks in short succession which may indicate that a whale is homing in on a prey item. Enumerating the number of “creaks” that occur during hauling operations may provide a quantitative means of evaluating sperm whale depredation. Fishing operations for the sperm whale depredation experiment were conducted off Yakutat Bay. Standard survey operating procedures were followed except for set location. The vessel captain chose the specific fishing sites within a pre-described area with the requirement that the longline gear was set parallel to the depth contour so that catches were generally similar within a set and in areas where sperm whales are commonly observed. Two sites were fished each day for a total of four sites during the two-day experiment (Appendix Table 1). Prior to the setting of gear an underwater camera was attached to the groundline. This camera was programmed to record events during gear retrieval in an effort to capture depredation events. Following the setting of gear, two acoustic recorders were deployed on independent buoy lines spaced evenly along the longline sets. These devices are designed to passively measure distinct sounds whales make when in the vicinity of the recorder. During fishing operations an observer was present to visually monitor the number of sperm whales present and collect photo documentation for whale identification. Catch was tallied for each hook and any indication of depredation was noted and was associated with a time stamp.

Four sets were successfully completed. The acoustic recorders yielded 22 hours of data and the camera successfully captured images during haulback. Visual observations counted one sperm whale on the first day and six whales on the second day. Initial analysis of a subset of the data indicates that the recorder data captured whale echolocation sounds and is high quality. Further analysis of this data is underway.

Appendix Table 1. -- Set information by station and haul for 2009 NMFS longline survey 2-day experiment. Positions in decimal degree (DD) format.

Haul	Date	Start Lat	Start Lon	End Lat	End Lon	Start Depth (m)	End Depth (m)
1	21-Jul	59.14	141.66	59.17	141.77	470	747
2	21-Jul	59.17	141.78	59.22	141.88	589	790
3	22-Jul	59.12	141.68	59.18	141.77	601	736
4	22-Jul	59.18	141.78	59.23	141.88	480	736

2010 Electronic Data Collection and Hook Tension Device Experiment

Two special projects were conducted near Yakutat during July 21-22 to test methods for improving the electronic data collection system and for testing hook tension devices. The two-day experiment included staff from the Alaska Fisheries Science Center, Finsight Consulting, and Andrew’s Cooper Engineering. Several new data collection techniques were beta-tested for use in the 2011 survey. In addition, hook tension devices were tested on the longline to determine feasibility.

More information on these devices and the data collection tools will be available in the future. During the 2-day experiment four sets were completed (Appendix Table 2).

Appendix Table 2. -- Set information by station and haul for the 2009 NMFS longline survey 2-day experiment. Positions in decimal degree (DD) format.

Haul	Date	Start Lat.	Start Long.	End Lat.	End Long.	Start Depth (m)	End Depth (m)
1	21-Jul	58.97	141.17	58.97	141.29	772	875
2	21-Jul	58.91	141.07	58.96	141.15	716	896
3	22-Jul	58.85	141.04	58.91	141.04	617	768
4	22-Jul	58.78	140.98	58.84	141.03	590	680

2012 Pollock Bait Experiment

A bait experiment was conducted near Yakutat during July 21-22 to test catching efficiency of walleye pollock (*Gadus chalcogramma*) compared to squid (*Illex* sp.) bait. Four sets were made in the course of the two days consisting of 160 skates per set (Appendix Table 3). Each bait type was interspersed during a set in groupings of 10 skates each starting with squid (e.g., skates 1-10 squid; skates 11-20 walleye pollock...). This resulted in a total of 80 skates baited with squid and 80 skates baited with walleye pollock per set. Results will be tabulated and compared to data gathered during the 2011 longline survey.

During the two-day experiment four sets were completed (Appendix Table 3) and 2,696 sablefish were caught.

Appendix Table 3. -- Set information by station and haul for the 2012 NMFS longline survey 2-day experiment. Positions in decimal degree (DD) format.

Haul	Date	Start Lat.	Start Long.	End Lat.	End Long.	Start Depth (m)	End Depth (m)
1	21-Jul	58.79	140.99	58.84	141.05	650	824
2	21-Jul	58.86	141.05	58.92	141.08	689	770
3	22-Jul	58.93	141.07	58.98	141.18	671	856
4	22-Jul	58.98	141.19	58.97	141.31	739	829

2013 Electronic Data Collection and Hook Tension Device Experiment

A bait experiment was conducted near Yakutat during July 21-22 to test catching efficiency of walleye pollock (*Gadus chalcogramma*) compared to squid (*Illex* sp.) bait. Four sets were made in the course of the two days consisting of 160 skates per set (Table A1). Each bait type was interspersed during a set in groupings of 10 skates each starting with squid (e.g., skates 1-10 squid; skates 11-20 pollock...). This resulted in a total of 80 skates baited with squid and 80 skates baited with pollock per set. Results will be tabulated and compared to data gathered during the 2012 longline survey. During the 2-day experiment four sets were completed (Appendix Table 4).

Appendix Table 4. -- Set information by station and haul for the 2013 NMFS longline survey 2-day experiment. Positions in decimal degree (DD) format.

Haul	Date	Start Lat.	Start Long.	End Lat.	End Long.	Start Depth (m)	End Depth (m)
1	21-Jul	59.24	141.91	59.25	142.05	525	666
2	21-Jul	59.25	142.07	59.29	142.19	581	700
3	22-Jul	59.12	141.66	59.17	141.76	552	706
4	22-Jul	59.19	141.80	59.24	141.91	576	721

2014 Hook Type Experiment

A hook type experiment was conducted near Yakutat during July 21-22 to test the catching efficiency of E-Z-baiter (auto-baiter) circle hooks versus hand-bait circle hooks. Mustad brand E-Z-Baiter circle hooks (Mustad #39961) were fished as well as the standard survey Mustad circle hook (Mustad #39965). The autobait hook is larger (size (14/0) while the standard survey hook is (13/0)) and the autobait hook has a longer shank and does not have an offset tip. The experiment to test hook types was designed as part of a broader question to answer why earlier studies found differences in catch rates between standard survey hand-bait gear and auto-bait gear. During the 2-day experiment, two sets were made each day for a total of four sets (Appendix Table 5). Each set consisted of 80 skates. The two hook types were interspersed during a set in groupings of 10 skates each (e.g., skates 1-10 auto-bait hook; skates 11-20 hand-bait hook...). This resulted in a total of 40 skates with auto-bait hooks and 40 skates with hand-bait hooks per set. On all sets combined, 1,828 sablefish were caught in 2014; the experiment will be repeated in 2015. Results from both years will be tabulated and used to determine CPUE for each hook type.

Appendix Table 5. -- Set information by station and haul for the 2014 NMFS
 longline survey 2-day experiment. Positions in decimal degree
 (DD) format.

Set	Date	Start Lat.	Start Long.	End Lat.	End Long.	Start Depth (m)	End Depth (m)
1	21-Jul	58.98	141.17	58.97	141.27	696	800
2	21-Jul	58.94	141.08	58.98	141.16	674	820
3	22-Jul	58.86	141.05	58.92	141.08	700	806
4	22-Jul	58.77	140.97	58.86	141.04	674	900

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