

Fishery Management Report No. 18-18

**Annual Management Report for Groundfish Fisheries
in the Bering Sea–Aleutian Islands Management Area,
2017**

by

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and

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September 2018

Alaska Department of Fish and Game

Sport Fish and Commercial Fisheries



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| | | | | | |
|---|--------------------|--|---|---|-------------------------|
| Weights and measures (metric) | | General | | Mathematics, statistics | |
| centimeter | cm | Alaska Administrative Code | AAC | <i>all standard mathematical signs, symbols and abbreviations</i> | |
| deciliter | dL | all commonly accepted abbreviations | e.g., Mr., Mrs., AM, PM, etc. | alternate hypothesis | H_A |
| gram | g | all commonly accepted professional titles | e.g., Dr., Ph.D., R.N., etc. | base of natural logarithm | e |
| hectare | ha | at | @ | catch per unit effort | CPUE |
| kilogram | kg | compass directions: | | coefficient of variation | CV |
| kilometer | km | east | E | common test statistics | (F, t, χ^2 , etc.) |
| liter | L | north | N | confidence interval | CI |
| meter | m | south | S | correlation coefficient | |
| milliliter | mL | west | W | (multiple) | R |
| millimeter | mm | copyright | © | correlation coefficient (simple) | r |
| | | corporate suffixes: | | covariance | cov |
| Weights and measures (English) | | Company | Co. | degree (angular) | $^\circ$ |
| cubic feet per second | ft ³ /s | Corporation | Corp. | degrees of freedom | df |
| foot | ft | Incorporated | Inc. | expected value | E |
| gallon | gal | Limited | Ltd. | greater than | > |
| inch | in | District of Columbia | D.C. | greater than or equal to | \geq |
| mile | mi | et alii (and others) | et al. | harvest per unit effort | HPUE |
| nautical mile | nmi | et cetera (and so forth) | etc. | less than | < |
| ounce | oz | exempli gratia | e.g. | less than or equal to | \leq |
| pound | lb | (for example) | | logarithm (natural) | ln |
| quart | qt | Federal Information Code | FIC | logarithm (base 10) | log |
| yard | yd | id est (that is) | i.e. | logarithm (specify base) | log ₂ , etc. |
| | | latitude or longitude | lat or long | minute (angular) | ' |
| Time and temperature | | monetary symbols (U.S.) | \$, ¢ | not significant | NS |
| day | d | months (tables and figures): first three letters | Jan, ..., Dec | null hypothesis | H_0 |
| degrees Celsius | $^\circ\text{C}$ | registered trademark | ® | percent | % |
| degrees Fahrenheit | $^\circ\text{F}$ | trademark | ™ | probability | P |
| degrees kelvin | K | United States (adjective) | U.S. | probability of a type I error (rejection of the null hypothesis when true) | α |
| hour | h | United States of America (noun) | USA | probability of a type II error (acceptance of the null hypothesis when false) | β |
| minute | min | U.S.C. | United States Code | second (angular) | " |
| second | s | U.S. state | use two-letter abbreviations (e.g., AK, WA) | standard deviation | SD |
| Physics and chemistry | | | | standard error | SE |
| all atomic symbols | | | | variance | |
| alternating current | AC | | | population sample | Var |
| ampere | A | | | sample | var |
| calorie | cal | | | | |
| direct current | DC | | | | |
| hertz | Hz | | | | |
| horsepower | hp | | | | |
| hydrogen ion activity (negative log of) | pH | | | | |
| parts per million | ppm | | | | |
| parts per thousand | ppt, ‰ | | | | |
| volts | V | | | | |
| watts | W | | | | |

FISHERY MANAGEMENT REPORT NO. 18-18

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THE BERING SEA–ALEUTIAN ISLANDS MANAGEMENT AREA,
2017**

by
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The Fishery Management Reports series was established in 1989 by the Division of Sport Fish for the publication of an overview of management activities and goals in a specific geographic area, and became a joint divisional series in 2004 with the Division of Commercial Fisheries. Fishery Management Reports are intended for fishery and other technical professionals, as well as lay persons. Fishery Management Reports are available through the Alaska State Library and on the Internet: <http://www.adfg.alaska.gov/sf/publications/>. This publication has undergone regional peer review.

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ABSTRACT

This report summarizes harvest, effort, and management of commercial state-waters and parallel groundfish fisheries managed by the Alaska Department of Fish and Game (ADF&G) in the Bering Sea–Aleutian Islands Area (BSAI). State-waters groundfish fisheries included in this report are sablefish *Anoplopoma fimbria*, black rockfish *Sebastes melanops*, Pacific cod *Gadus macrocephalus*, and dark rockfish *Sebastes ciliatus*. For parallel fisheries in the BSAI, ADF&G adopts most seasons, bycatch limits, and allowable gear types in the adjacent exclusive economic zone (EEZ) established by the National Marine Fisheries Service.

Key words: Bering Sea-Aleutian Islands Area, Bering Sea District, Aleutian Islands District, Dutch Harbor Subdistrict, BSAI, sablefish, *Anoplopoma fimbria*, black rockfish, *Sebastes melanops*, parallel season, Exclusive Economic Zone, EEZ, National Marine Fisheries Service, NMFS, Pacific cod, *Gadus macrocephalus*, dark rockfish, *Sebastes ciliatus*

INTRODUCTION

Commercial groundfish fisheries within state waters (0–3 nmi) are managed by the Alaska Department of Fish and Game (ADF&G) under regulations developed by the Alaska Board of Fisheries (BOF). Commercial groundfish fisheries in the exclusive economic zone (EEZ; 3–200 nmi) off Alaska are managed by National Marine Fisheries Service (NMFS) under guidelines developed by the North Pacific Fishery Management Council (NPFMC) authorized by the Magnuson–Stevens Fishery Conservation and Management Act (MSA; DOC 2007).

Many commercially important groundfish species occur in both state waters and the EEZ. Each year, ADF&G issues an emergency order that establishes parallel groundfish seasons, adopting federal regulations except when superseded by state regulations, including season dates, gear types, bycatch limits, and inseason management actions in adjacent EEZ fisheries managed by NMFS. State of Alaska and NMFS additionally coordinate state and federal closed waters for Steller sea lion and coral garden protection areas.

The Bering Sea–Aleutian Islands Area (BSAI) includes all territorial waters of the Bering Sea and waters of the North Pacific Ocean adjacent to the Aleutian Islands west of 170° W long. The BSAI is further divided into districts; the Bering Sea District includes all BSAI waters north of the latitude of Cape Sarichef and the Aleutian Islands District includes all waters of the BSAI south of the latitude of Cape Sarichef (Figure 1). Each state-waters groundfish fishery has unique fishery management boundaries described in this report. ADF&G actively manages four state-waters groundfish fisheries in the Bering Sea–Aleutian Islands Area: Aleutian Islands sablefish *Anoplopoma fimbria*, Aleutian Islands black rockfish *Sebastes melanops*, Aleutian Islands Subdistrict Pacific cod *Gadus macrocephalus*, and Dutch Harbor Subdistrict Pacific cod *G. macrocephalus*.

Groundfish harvests in this report are based on the ADF&G fish ticket database as of May 2018 and reflect the most recent additions and corrections to that database.

ALEUTIAN ISLANDS SABLEFISH FISHERY

The Aleutian Islands state-waters sablefish fishery includes all state waters of the Aleutian Islands District of the BSAI and the Western District of the South Alaska Peninsula Area, encompassing all state waters south of the latitude of Cape Sarichef (54°36' N lat) and west of the longitude of Scotch Cap Light (164°44' W long; Figure 2).

BACKGROUND

The federal individual fishing quota (IFQ) program for sablefish was established in 1995. The Alaska Department of Law determined harvest of sablefish in state waters could not be limited to IFQ holders; therefore, state-waters sablefish fisheries were established in areas where historical harvest of sablefish was sufficient to allow for a manageable fishery. All vessels harvesting sablefish in state waters must be registered with ADF&G, including those vessels harvesting IFQ or Community Development Quota (CDQ) sablefish. All harvest taken from state waters accrues to the guideline harvest level (GHL), regardless of whether or not harvest is accounted for in a federal fishery.

A GHL of 400,000 pounds was established for the 1995 Aleutian Islands state-waters sablefish fishery based on average sablefish harvest in state waters for the previous four years, which was approximately 5% of the combined federal BSAI sablefish total allowable catches (TAC) from 1991 to 1994 (Jackson et al. 1996). ADF&G annually reviews the NMFS sablefish stock assessment and sets the Aleutian Islands state-waters sablefish GHL at approximately 5% of the combined federal BSAI TAC. From 1995 to 2017, GHLs ranged from 250,000 pounds to 660,000 pounds, with highest GHLs between 2003 and 2008 (Table 1). The GHL was achieved each season from 1996 through 2002 and has not been fully harvested since. Harvest ranged from a low of 78,688 pounds in 2016 to a high of 477,970 pounds in 2002. Aleutian Islands state-waters sablefish average price per pound was lowest in 1998 at \$2.18 per pound and highest in 2011 at \$7.65 per pound. Total fishery value peaked in 2011 at \$1.0 million (Table 1).

Season dates for the state-waters fishery were initially set concurrent with the federal IFQ season, from March 15 to November 15. In 2001, the BOF modified the state-waters season opening date to May 15 to provide opportunity for small vessels to take advantage of potentially better weather conditions. Season dates were again modified by the BOF in 2013 to coincide with the federal IFQ season to allow for sablefish harvest inside state waters during the entire IFQ season (Table 1).

From 1995 to 2000, all groundfish gear types were allowed during the state-waters fishery. In 2001, longline, pot, jig, and hand troll became the only legal gear types. Since 1995, vessels using longline gear account for the majority of the harvest (Table 2). Use of pot gear increased through the early 2000s but has declined since 2009 and now accounts for a small amount of the harvest. Although trawl is not a legal gear type, bycatch in trawl fisheries has accounted for a portion of the fishery harvest since 1995.

2017 FISHERY

The 2017 Aleutian Islands state-waters sablefish GHL was 331,682 pounds, an increase of 10% from the 2016 GHL (Table 1). Season dates were concurrent with the IFQ season; March 11 through November 7. Fishery harvest was 118,871 pounds taken by 19 vessels (Table 1). There was no trawl bycatch during the 2017 fishery; longline and pot harvest by gear type is confidential (Table 2). Participants in federal IFQ fisheries accounted for 88% of the harvest. Average exvessel value was \$4.44 per pound for an estimated fishery exvessel value of \$388,434 (Table 1).

STATUS OF STOCK

Currently, NMFS conducts annual surveys of the upper continental slope and biennial sampling of the Aleutian Islands and eastern Bering Sea. In addition to data from longline surveys, information from NMFS Gulf of Alaska trawl surveys as well as fishery harvest information is incorporated in the stock assessment. Harvest from the Aleutian Islands state-waters sablefish fishery is included in the stock assessment and causes an overestimate of biomass by about 1%; however, the stock assessment authors consider this a negligible amount compared to high statistical variation in other data used in the stock assessment.

Sablefish spawning biomass is projected to decline slightly through 2019 and then stabilize assuming average recruitment is achieved in the future (Hanselman et al. 2016). Recruitment was previously considered above average for the 2008 year class; however, the 2008 year class currently appears to be approximately 30% above average, potentially affecting current recruitment. The 2017 age 4+ biomass estimates by area are comparable to the 2016 estimates in the Bering Sea and almost doubled in the Aleutian Islands (Hanselman et al. 2016).

ALEUTIAN ISLANDS BLACK ROCKFISH FISHERY

The Aleutian Islands black rockfish fishery includes all state waters of the Aleutian Islands District of the BSAI and the Western District of the South Alaska Peninsula Area, encompassing all state waters south of the latitude of Cape Sarichef (54°36' N lat) and west of the longitude of Scotch Cap Light (164°44' W long; Figure 3). The fishery is further divided into the Akutan, Unalaska, and Western sections with the Akutan and Unalaska sections further divided into subsections (Figure 4).

BACKGROUND

A state-waters directed fishery for nearshore pelagic shelf rockfish in the eastern Aleutian Islands was established in December 1994. The State of Alaska's pelagic shelf rockfish definition includes black *Sebastes melanops*, blue *S. mystinus*, widow *S. entomelas*, yellowtail *S. flavidus*, dusky *S. variabilis*, and dark *S. ciliatus*¹ rockfish. In the eastern Aleutian Islands, black, dusky, and dark rockfish are the only pelagic shelf rockfish species known to be present in state waters.

The Aleutian Islands pelagic shelf rockfish fishery was established in response to local public inquiry requesting a state-managed rockfish fishery. Black rockfish were formerly included in the federal "other rockfish" assemblage, which was a bycatch-only fishery. State management of pelagic shelf rockfish was established in the eastern Aleutian Islands in two sections: a section in state waters around Unalaska, Sedanka, and Unalga islands, and the other in state waters around Akutan and Akun islands. A GHF of 100,000 pounds was established from 1994–1998 with 50,000 pounds for each area (Table 3). Handlines and mechanical jigging machines were established as the only legal gear types.

In 1998, the NPFMC passed Amendment 46 to the GOA groundfish Fishery Management Plan (FMP), removing black rockfish from the GOA FMP, and thereby delegating management in the GOA EEZ to the State of Alaska. Black rockfish in the BSAI EEZ remain under federal

¹ In March of 2008, the BOF modified the definition of pelagic shelf rockfish by splitting out the species commonly known as dusky *S. ciliatus* into 2 groups, dusky *S. variabilis* and dark *S. ciliatus*.

management. The Aleutian Islands pelagic rockfish fishery was modified to a black rockfish fishery, and the area was expanded to include all state waters south of Cape Sarichef and west of Scotch Cap Light. Federal waters of the Pacific Ocean between Scotch Cap Light and 170° W long are managed by ADF&G; however, there is no GHL for federal waters. The Akutan and Unalaska sections GHLS were set at 40,000 pounds each and 20,000 pounds for the newly created Western Section (all state waters of the Pacific Ocean and Bering Sea west of 168° W long).

In 1999, ADF&G reduced the Akutan and Unalaska section GHLS from 40,000 pounds to 35,000 pounds due to concern of localized depletion of the black rockfish stock around Akutan Island and the eastern part of Unalaska Island (Table 3). The GHL for the Western Section remained at 20,000 pounds. Starting in 2000, the Akutan and Unalaska sections were divided into subsections, each with a separate GHL to distribute fishing effort (Figure 4, Table 4). Subsection GHLS were based on potential black rockfish habitat as determined by the amount of coastline.

Very little directed effort for black rockfish has occurred in recent years, with one or fewer vessels targeting black rockfish each year (Table 3). Most black rockfish have been harvested in the Akutan Section since the inception of the fishery. The Western Section accounts for less than 1% of overall black rockfish harvest since the section was opened, all of which was harvested incidentally by trawl and longline gear.

2017 FISHERY

The GHL in 2017 was 90,000 pounds; 35,000 pounds were available in both the Akutan and Unalaska sections and 20,000 pounds were available in the Western Section (Table 4). The waters from the south end of Green Bight to Talus Point have been closed since 2000 due to concerns of localized depletion and remained closed for the 2017 fishery.

Fishermen may retain up to 5% black rockfish as bycatch from other directed state-waters and federal groundfish fisheries. Seven vessels harvested black rockfish in 2017 for a total of 3,153 pounds (Table 3).

STATUS OF STOCK

Black rockfish in the Aleutian Islands are managed conservatively because ADF&G does not conduct surveys and because the species is long-lived and slow-growing. ADF&G established a dockside sampling program for black rockfish in 1999. Information obtained through this program provides ADF&G with basic biological data that may assist in future management decisions and stock status determinations.

Dockside samplers have obtained black rockfish lengths and otoliths from commercial fisheries, sport fishermen, independent sampling in Unalaska Bay, and from chartered survey vessels in the Aleutian Islands. Samples were obtained in 1997, 1999, 2000, 2002, 2004 through 2006, and 2011. No black rockfish sampling has occurred since 2011 (Table 5).

Aleutian Islands black rockfish age and length data indicate a wide range of cohorts were present in the sampled population suggesting population levels have been stable. Sample sizes ranged between 9 and 531, with the majority of samples coming from Akutan Island. Based on available data, the average age of black rockfish sampled in the Aleutian Islands ranged between 9 and 18 years and the average length of black rockfish sampled in the Aleutian Islands ranged between 41 and 47 cm (Table 5).

ALEUTIAN ISLANDS DARK ROCKFISH FISHERY

In 2009, Amendment 73 was added to the BSAI groundfish FMP, and Amendment 77 was added to the GOA groundfish FMP (NOAA 2008). These amendments removed dark rockfish from the federal FMPs, thereby extending the State of Alaska's authority for dark rockfish in the EEZ of both the BSAI and GOA. In the BSAI, there is no directed dark rockfish fishery. Bycatch of dark rockfish is limited to 20% of the directed target species onboard a vessel. Dark rockfish harvest in 2017 totaled 6,877 pounds.

ALEUTIAN ISLANDS SUBDISTRICT STATE-WATERS PACIFIC COD FISHERY

HISTORICAL BACKGROUND

Prior to 2006, Pacific cod harvest in the Aleutian Islands District was exclusively managed under parallel rules. In February 2006, the BOF approved regulations for a state-waters Pacific cod fishery in the Aleutian Islands Subdistrict (AIS) west of 170° W long (Figure 5). The *Aleutian Islands Subdistrict Pacific Cod Management Plan* (5 AAC 28.647) was adopted by emergency petition to provide the community of Adak with economic opportunities. Prior to 2016, AIS state-waters Pacific cod GHL was divided across two seasons, A season (before June 10) and B season (June 10 and after). Starting in 2016, the AIS state-waters Pacific cod was managed as one season. Regulatory changes to the AIS state-waters Pacific cod fishery from 2006 through 2017 are provided in Appendix A1.

The AIS state-waters Pacific cod fishery includes state waters of the Aleutian Islands Subdistrict west of 170° W long, with an inner Adak section comprised of state waters between 175° W. long. and 178° W. long. (Figure 5). The AIS state-waters Pacific cod GHL is currently set at 27% of the federal Aleutian Islands allowable biological catch (ABC). From 2006 to 2017, AIS state-waters Pacific cod GHLS ranged from 20.7 million pounds to 10.5 million pounds, with highest GHLS between 2012 and 2013 (Table 6). The total GHL was achieved in 2007 and 2008 and has not been fully harvested since. During the 2006 through 2008 A season, trawl gear accounted for the vast majority of harvest, whereas in subsequent A seasons, pot gear use increased (Table 7). Most years, pot gear accounted for the majority of the harvest during the B season; no harvest from trawl gear occurred during the B season (Table 7). Vessel participation has ranged from 45 boats to 2 boats, with the highest participation occurring in 2008 (Table 6).

2017 FISHERY

The AIS state-waters Pacific cod 2017 GHL was 12,797,703 pounds (Table 6). The season opened at noon on January 1 in state waters between 175° W long. and 178° W long to vessels 60 feet or less overall length (OAL) using trawl, pot, and jig gear and vessels 58 feet or less OAL using longline gear (Table 7). All state waters west of 170° W long opened on February 27 at noon to trawl vessels 100 feet or less OAL, pot vessels 125 feet or less OAL, and jig and longline vessels 58 feet or less OAL. By regulation, the opening occurred after the closure of the Aleutian Islands parallel Pacific cod season on February 23rd at noon. Three pot vessels participated in the 2017 AIS state-waters Pacific cod fishery (Table 7); harvest is confidential. The 2017 season remained open until the regulatory closure on December 31st (Table 8).

DUTCH HARBOR SUBDISTRICT STATE-WATERS PACIFIC COD FISHERY

HISTORICAL BACKGROUND

The Dutch Harbor Subdistrict (DHS) state-waters Pacific cod fishery was established by the BOF in October 2013. The DHS state-waters Pacific cod GHL was originally set at 3% of the federal BSAI ABC. For the 2014 and 2015 seasons, the subdistrict included waters of the Bering Sea–Aleutian Islands groundfish management area east of 167° W long, west of 164° W long and south of 55° 30' N lat). In 2016, regulations were adopted that changed GHL calculations and subdistrict boundaries (Appendix A2). The DHS state-waters Pacific cod GHL is now set at 6.4% of the federal Bering Sea subarea ABC. The subdistrict currently includes state waters of the Aleutian Islands District east of 170° W long and the state waters of the Bering Sea District that are west of 164° W long, east of 170° W long, and south of 55° 30' N lat, with closed waters south of 53° 06.11' N lat (Figure 6).

The DHS state-waters Pacific cod season opens seven days after closure of the BSAI parallel Pacific cod A season for catcher vessels less than 60 feet OAL using longline and pot gear. Vessels participating in the DHS state-waters Pacific cod season are limited to a maximum of 58 feet OAL and the only allowable gear type is pots. Vessels are limited to operating no more than 60 pots. The DHS state-waters Pacific cod fishery is an exclusive registration area.

2017 FISHERY

The 2017 DHS state-waters Pacific cod season opened on February 9 with a GHL of 33,721,562 pounds (Table 9). The fishery was closed on April 8 with 99% of the GHL harvested. Twenty-four vessels participated in the 8-week fishery. Average vessel length was 57 feet OAL. Harvest was distributed throughout most of the registration area, with 73% coming from waters around Unimak Island and 21% around Unalaska, Akutan, and Akun islands. Fishermen were paid an average of \$0.31 per pound for an estimated exvessel fishery value of \$10.07 million.

GROUNDFISH HARVEST FROM PARALLEL SEASONS IN THE BERING SEA–ALEUTIAN ISLANDS AREA

Each year, by emergency order, ADF&G establishes parallel groundfish seasons that mirror federal fisheries managed by NMFS. ADF&G generally mirrors seasons, closed waters, bycatch limits, and legal gear types of the adjacent federal waters, unless superseded by state regulations.

Steller sea lion protection measures during a parallel season mirror NMFS closure areas, except in state waters between 175° W long and 178° W long during a parallel Pacific cod season, where the Steller sea lion protection measures reflect those in place prior to 2011 (5 AAC 28.087(b)(3)). During a parallel fishery in these waters, no vessel using longline gear may be more than 58 feet OAL, and all other vessels may be no larger than 60 feet OAL.

Parallel fisheries occur for Pacific cod *Gadus macrocephalus*, walleye pollock *Gadus chalcogrammus*, Atka mackerel *Pleurogrammus monopterygius*, Pacific ocean perch *Sebastes alutus*, shortraker rockfish *Sebastes borealis*, rougheye rockfish *Sebastes aleutianus*, sharpchin rockfish *Sebastes zacentrus*, northern rockfish *Sebastes polyspinis*, Greenland turbot *Reinhardtius hippoglossoides*, arrowtooth flounder *Atheresthes stomias*, rock sole *Lepidopsetta bilineata*, yellowfin sole *Limanda aspera*, flathead sole *Hippoglossoides elassodon*, an

aggregated rockfish species complex, and an aggregated flatfish species complex. Pacific cod and Walleye pollock were the largest parallel fisheries in the BSAI by volume in 2017 (Table 10). BSAI parallel Pacific cod harvest was 7.4 million pounds in 2017. BSAI parallel walleye pollock harvest was 4.4 million pounds in 2017.

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TABLES AND FIGURES

Table 1.—Aleutian Islands state-waters sablefish fishery GHL, harvest, effort, value, and season dates, 1995–2017.

| Year | GHL ^a | Harvest ^a | Vessels | Landings | Average price per pound ^b | Fishery value ^c | Season dates | | Season duration ^d |
|------|------------------|----------------------|---------|----------|---|-------------------------------|--------------|----------|---------------------------------|
| | | | | | | | Opened | Closed | |
| 1995 | 400,000 | 269,220 | 35 | 59 | \$2.96 | \$0.50 | 03/15/95 | 11/15/95 | 245 |
| 1996 | 280,000 | 401,463 | 35 | 67 | \$2.54 | \$0.64 | 03/15/96 | 07/26/96 | 133 |
| 1997 | 270,000 | 317,562 | 37 | 75 | \$3.55 | \$0.71 | 03/15/97 | 07/20/97 | 127 |
| 1998 | 270,000 | 254,578 | 38 | 101 | \$2.18 | \$0.35 | 03/15/98 | 11/15/98 | 245 |
| 1999 | 250,000 | 279,778 | 24 | 38 | \$2.69 | \$0.47 | 03/15/99 | 08/16/99 | 154 |
| 2000 | 400,000 | 446,560 | 28 | 59 | \$3.04 | \$0.86 | 03/15/00 | 07/15/00 | 122 |
| 2001 | 425,000 | 464,241 | 31 | 99 | \$2.85 | \$0.79 | 05/15/01 | 08/08/01 | 85 |
| 2002 | 460,000 | 477,970 | 24 | 59 | \$2.95 | \$0.88 | 05/15/02 | 07/16/02 | 62 |
| 2003 | 630,000 | 473,426 | 39 | 102 | \$3.58 | \$0.92 | 05/15/03 | 11/15/03 | 184 |
| 2004 | 660,000 | 323,969 | 26 | 67 | \$2.69 | \$0.47 | 05/15/04 | 11/15/04 | 184 |
| 2005 | 550,000 | 203,498 | 25 | 67 | \$2.79 | \$0.27 | 05/15/05 | 11/15/05 | 184 |
| 2006 | 640,000 | 177,935 | 16 | 63 | \$3.55 | \$0.42 | 05/15/06 | 11/15/06 | 184 |
| 2007 | 638,000 | 269,282 | 21 | 65 | \$3.49 | \$0.54 | 05/15/07 | 11/15/07 | 184 |
| 2008 | 584,000 | 156,293 | 25 | 56 | \$3.89 | \$0.41 | 05/15/08 | 11/15/08 | 184 |
| 2009 | 542,000 | 279,510 | 26 | 70 | \$4.92 | \$0.64 | 05/15/09 | 11/15/09 | 184 |
| 2010 | 535,000 | 209,064 | 28 | 67 | \$5.86 | \$0.79 | 05/15/10 | 11/15/10 | 184 |
| 2011 | 523,000 | 200,640 | 28 | 78 | \$7.65 | \$1.00 | 05/15/11 | 11/15/11 | 184 |
| 2012 | 472,000 | 222,691 | 29 | 98 | \$5.95 | \$0.84 | 05/15/12 | 11/15/12 | 184 |
| 2013 | 442,000 | 223,379 | 18 | 54 | \$4.42 | \$0.62 | 05/15/13 | 11/07/13 | 176 |
| 2014 | 347,000 | 161,022 | 16 | 47 | \$5.33 | \$0.54 | 03/08/14 | 11/07/14 | 244 |
| 2015 | 346,000 | 151,609 | 15 | 44 | \$5.81 | \$0.56 | 03/14/15 | 11/07/15 | 238 |
| 2016 | 298,503 | 78,699 | 13 | 37 | \$4.77 | \$0.25 | 03/19/16 | 11/07/16 | 233 |
| 2017 | 331,682 | 118,871 | 19 | 54 | \$4.44 | \$0.39 | 03/11/17 | 11/07/17 | 241 |

Note: GHL = guideline harvest level, Fishery value not exact due to differences in pricing and grading of landed catch at the dock.

^a In whole fish pounds, 2006 to present does not include discards at sea.

^b Price per pound of landed weight; 2006 to present only includes fish sold for human consumption

^c Fishery value based on landed weight, in millions of dollars, 2006 to present includes human consumption and fish meal

^d In days.

Table 2.—Aleutian Islands state-waters sablefish fishery harvest by gear type, 1995–2017.

| Year | Longline | Trawl ^a | Pot | Total |
|------|----------|--------------------|--------|---------|
| 1995 | 227,917 | 41,303 | 0 | 269,220 |
| 1996 | 401,429 | 26 | 8 | 401,463 |
| 1997 | 312,506 | 20 | 5,036 | 317,562 |
| 1998 | 252,398 | 2,180 | 0 | 254,578 |
| 1999 | 272,240 | 6,268 | 1,270 | 279,778 |
| 2000 | 446,112 | 0 | 448 | 446,560 |
| 2001 | 439,612 | 210 | 24,419 | 464,241 |
| 2002 | 456,632 | 1,126 | 20,212 | 477,970 |
| 2003 | 426,679 | 270 | 46,477 | 473,426 |
| 2004 | 273,807 | 129 | 50,033 | 323,969 |
| 2005 | 182,348 | 58 | 21,092 | 203,498 |
| 2006 | 128,764 | 1,207 | 47,964 | 177,935 |
| 2007 | 190,174 | 4,255 | 78,127 | 272,556 |
| 2008 | 114,152 | 0 | 32,589 | 146,741 |
| 2009 | 272,061 | CF | CF | 279,795 |
| 2010 | 202,517 | CF | CF | 209,505 |
| 2011 | 218,552 | 0 | 36,036 | 254,588 |
| 2012 | 216,579 | CF | CF | 225,322 |
| 2013 | 209,817 | CF | CF | 223,649 |
| 2014 | 161,643 | CF | CF | 163,150 |
| 2015 | 151,608 | CF | CF | 151,609 |
| 2016 | 53,513 | CF | CF | 78,699 |
| 2017 | CF | 0 | CF | 118,871 |

Note: Harvest shown in whole fish pounds; CF = confidential.

^a Trawl is not a legal gear type. Sablefish harvested as bycatch to other fisheries.

Table 3.—Aleutian Islands state-waters black rockfish fishery GHL, harvest, effort, and value, 1994–2017.

| Year | GHLa | Harvest ^d | Vessels | Landings | Average price per pound ^b | Fishery value ^c |
|---------------------|---------|----------------------|---------|----------|--------------------------------------|----------------------------|
| 1994 ^{d,e} | 100,000 | 0 | 0 | 0 | \$0 | \$0 |
| 1995 ^{d,e} | 100,000 | CF | 10 | CF | CF | CF |
| 1996 ^{d,e} | 100,000 | CF | 12 | CF | CF | CF |
| 1997 ^{d,e} | 100,000 | 102,746 | 8 | 18 | \$0.34 | \$35,000 |
| 1998 ^e | 100,000 | CF | 5 | 31 | CF | CF |
| 1999 ^e | 90,000 | 20,889 | 6 | 41 | \$0.35 | \$7,200 |
| 2000 | 90,000 | CF | 2 | CF | CF | CF |
| 2001 | 90,000 | CF | 4 | 11 | CF | CF |
| 2002 | 90,000 | CF | 6 | 27 | CF | CF |
| 2003 | 90,000 | 2,308 | 5 | 8 | CF | CF |
| 2004 | 90,000 | 1,639 | 10 | 28 | CF | CF |
| 2005 | 90,000 | 6,014 | 7 | 19 | \$0.36 | \$1,319 |
| 2006 | 90,000 | CF | 2 | CF | CF | CF |
| 2007 | 90,000 | CF | 4 | 7 | CF | CF |
| 2008 | 90,000 | CF | 4 | 5 | CF | CF |
| 2009 | 90,000 | CF | 2 | CF | CF | CF |
| 2010 | 90,000 | 2,088 | 4 | 4 | \$0 | \$0 |
| 2011 | 90,000 | 3,926 | 6 | 7 | CF | CF |
| 2012 | 90,000 | 11,712 | 5 | 6 | CF | CF |
| 2013 | 90,000 | CF | 2 | CF | CF | CF |
| 2014 | 90,000 | 1,985 | 4 | 6 | CF | CF |
| 2015 | 90,000 | 2,365 | 3 | 4 | CF | CF |
| 2016 | 90,000 | 377 | 5 | 6 | \$0 | \$0 |
| 2017 | 90,000 | 3,153 | 7 | 8 | \$0 | \$0 |

Note: GHL = guideline harvest level, CF = confidential.

^a In whole fish pounds. Harvest includes all fishery removals including discards at sea and personal use.

^b Price per pound landed weight.

^c Fishery value based on landed weight.

^d Totals include black and dusky rockfish. In the early years of the fishery, dusky rockfish may have been misidentified as black rockfish; therefore, harvest totals include both species.

^e Due to reporting changes, this data is historical data that cannot be replicated.

Table 4.–Aleutian Islands state-waters black rockfish fishery guideline harvest level (GHL) in whole pounds, by section and subsection for the 2017 season.

| Section | Subsection | GHL (pounds) |
|----------|----------------------|--------------|
| Akutan | Akutan Island | 10,000 |
| | Akun Island | 10,000 |
| | Rootok Island | 5,600 |
| | Tigalda Island | 9,400 |
| | Total | 35,000 |
| Unalaska | Unalaska Bay/Wislow | 3,000 |
| | Cape Kalekta/Unalga | |
| | Island | 3,600 |
| | West Unalaska | 12,850 |
| | South Unalaska | 12,300 |
| | Beaver Inlet/Sedanka | |
| | Island | 3,250 |
| Total | 35,000 | |
| Western | No Subsections | 20,000 |

Table 5.–Aleutian Islands black rockfish age (from otoliths) and length data, 1997–2011.

| Year | Sample location | Sample size | Age ^a | | Length ^b | |
|------|----------------------|-------------|------------------|----------|---------------------|----------|
| | | | Average | Range | Average | Range |
| 1997 | Unalaska Island | 9 | 17.1 | 11 to 32 | 43.9 | 35 to 49 |
| 1998 | | - | - | - | - | - |
| 1999 | Unalaska Island | 92 | 15.9 | 8 to 30 | 45.3 | 37 to 51 |
| 2000 | Unalaska Island | 10 | 8.8 | 7 to 10 | 41.0 | 37 to 45 |
| 2001 | | - | - | - | - | - |
| 2002 | Akutan Island | 531 | 16.5 | 4 to 52 | 45.8 | 26 to 54 |
| 2003 | | - | - | - | - | - |
| 2004 | Akutan Island | 287 | 19 | 5 to 41 | 43.6 | 20 to 56 |
| 2005 | Akutan Island | 244 | 11 | 2 to 28 | 40.7 | 16 to 56 |
| 2006 | Unalaska Island | 27 | 13.8 | 6 to 29 | 45.1 | 38 to 52 |
| 2007 | | - | - | - | - | - |
| 2008 | | - | - | - | - | - |
| 2009 | | - | - | - | - | - |
| 2010 | | - | - | - | - | - |
| 2011 | Akutan/Akun Island | 65 | 19.4 | 7 to 46 | 45.6 | 37 to 50 |
| | Akutan/Rootok Island | 40 | 16.3 | 9 to 35 | 44.3 | 35 to 56 |
| | Unalaska Bay | 35 | 17.9 | 9 to 35 | 47.2 | 42 to 56 |

Note: Due to limited direct effort, biological samples have not been collected since 2011.

^a In years.

^b In centimeters.

Table 6.—Aleutian Islands Subdistrict state-waters Pacific cod fishery harvest, effort, and value, 2006–2017.

| Year | Season | Initial GHL ^a | Harvest ^d | Vessels | Landings | Average price per pound ^b | Fishery value ^c |
|------|----------|--------------------------|----------------------|-----------------|----------|--------------------------------------|----------------------------|
| 2006 | A season | 8,981,540 | 8,502,781 | 26 | 68 | \$0.23 | \$1.3 |
| | B season | 3,849,232 ^d | 351,414 | 5 | 19 | \$0.38 | \$1.4 |
| | TOTAL | 12,830,772 | 8,854,195 | 30 ^e | 87 | \$0.31 | \$2.7 |
| 2007 | A season | 8,148,202 | 8,229,931 | 27 | 97 | \$0.45 | \$3.6 |
| | B season | 3,492,086 ^f | 3,409,070 | 12 | 106 | \$0.52 | \$1.7 |
| | TOTAL | 11,640,288 | 11,639,001 | 39 ^e | 203 | \$0.49 | \$5.3 |
| 2008 | A season | 8,148,202 | 7,477,507 | 30 | 116 | \$0.63 | \$4.5 |
| | B season | 3,492,086 ^g | 4,241,692 | 18 | 77 | \$0.57 | \$1.8 |
| | TOTAL | 11,640,288 | 11,719,199 | 45 ^e | 193 | \$0.61 | \$6.3 |
| 2009 | A season | 8,425,981 | 5,537,886 | 22 | 50 | NA | NA |
| | B season | 3,611,135 ^g | CF | 5 | 47 | CF | CF |
| | TOTAL | 12,037,116 | CF | 27 | 97 | CF | CF |
| 2010 | A season | 8,055,608 | 7,959,515 | 16 | 84 | \$0.25 | \$1.6 |
| | B season | 3,452,404 ^g | 826,170 | 3 | 4 | \$0.32 | \$1.1 |
| | TOTAL | 11,508,012 | 8,785,685 | 16 ^e | 88 | \$0.29 | \$2.7 |
| 2011 | A season | 10,879,701 | CF | 3 | 4 | CF | CF |
| | B season | 4,662,729 ^g | CF | 4 | 16 | CF | CF |
| | TOTAL | 15,542,430 | 595,289 | 6 ^e | 20 | CF | CF |
| 2012 | A season | 14,537,132 | 11,462,339 | 21 | 201 | \$0.31 | \$3.6 |
| | B season | 6,230,200 ^g | 878,688 | 7 | 25 | CF | CF |
| | TOTAL | 20,767,332 | 12,341,027 | 26 ^e | 226 | CF | CF |
| 2013 | A season | 14,213,056 | CF | 12 | CF | CF | CF |
| | B season | 6,091,310 ^g | CF | 1 | CF | CF | CF |
| | TOTAL | 20,304,366 | 10,563,646 | 13 | 151 | CF | CF |
| 2014 | A season | 12,504,712 | CF | 8 | 133 | CF | CF |
| | B season | 5,359,162 ^g | 0 | 0 | 0 | \$0.00 | \$0.0 |
| | TOTAL | 17,863,874 | CF | 8 | 133 | CF | CF |
| 2015 | A season | 12,620,583 | CF | 2 | CF | CF | CF |
| | B season | 5,408,821 ^g | 0 | 0 | 0 | \$0.00 | \$0.0 |
| | TOTAL | 18,029,404 | CF | 2 | CF | CF | CF |

-continued-

Table 6.–Page 2 of 2.

| Year | Season | Initial GHL ^a | Harvest ^d | Vessels | Landings | Average price per pound ^b | Fishery value ^c |
|------|--------|--------------------------|----------------------|---------|----------|--------------------------------------|----------------------------|
| 2016 | | 10,476,259 ^h | CF | 6 | 39 | CF | CF |
| 2017 | | 12,797,703 | CF | 3 | 84 | CF | CF |

Note: CF = Confidential

^a In whole fish pounds.

^b Price per pound of landed weight.

^c Fishery value based on landed weight, in millions of dollars.

^d ADF&G made 3.5 million pounds of the GHL available to National Marine Fisheries Service effective on September 1.

^e Some vessels participated in both seasons.

^f Overage from the A season was deducted from the B season GHL. Initial GHL shown.

^g A season GHL was not fully harvested, and remaining A season GHL rolled over into B season GHL; initial GHL shown.

^h Regulation changed to only one season for Aleutian Island Subdistrict state-waters Pacific cod.

Table 7.—Aleutian Islands Subdistrict state-waters Pacific cod fishery harvest in whole pounds by gear type, 2006–2017.

| Year | Season | Longline | Trawl | Pot | Jig | Total |
|------|----------|----------|-----------|-----------|--------|------------|
| 2006 | A season | CF | 7,053,035 | CF | 0 | 8,502,781 |
| | B season | 76,462 | 0 | 274,952 | 0 | 351,414 |
| 2007 | A season | 0 | 6,998,224 | 1,231,707 | 0 | 8,229,931 |
| | B season | CF | 0 | 2,383,163 | CF | 3,409,070 |
| 2008 | A season | CF | 6,130,304 | CF | 0 | 7,477,507 |
| | B season | 362,410 | 0 | 3,786,710 | 92,572 | 4,241,692 |
| 2009 | A season | CF | 1,295,595 | 3,879,737 | CF | 5,537,886 |
| | B season | CF | 0 | 0 | CF | CF |
| 2010 | A season | 0 | 4,899,783 | 3,059,731 | 0 | 7,959,515 |
| | B season | CF | 0 | CF | 0 | 826,170 |
| 2011 | A season | 0 | CF | CF | 0 | CF |
| | B season | CF | 0 | CF | 0 | CF |
| 2012 | A season | CF | 5,983,213 | CF | 0 | 11,462,339 |
| | B season | 274,856 | 0 | 555,369 | 48,462 | 878,688 |
| 2013 | A season | 0 | CF | CF | 0 | CF |
| | B season | CF | 0 | 0 | 0 | CF |
| 2014 | A season | 0 | CF | CF | 0 | CF |
| | B season | 0 | 0 | 0 | 0 | 0 |
| 2015 | A season | 0 | CF | 0 | 0 | CF |
| | B season | 0 | 0 | 0 | 0 | 0 |
| 2016 | | 0 | CF | 0 | 0 | CF |
| 2017 | | 0 | 0 | CF | 0 | CF |

Note: CF = confidential.

Table 8.—Aleutian Islands Subdistrict state-waters Pacific cod season length and dates, 2006–2017.

| Year | Season | Location | Season dates | | Season Duration ^a |
|------|----------|---------------------|--------------|----------|------------------------------|
| | | | Opened | Closed | |
| 2006 | A season | West of 170° W long | 03/15/06 | 03/24/06 | 9 |
| | B season | West of 170° W long | 06/10/06 | 09/01/06 | 83 |
| 2007 | A season | West of 170° W long | 03/16/07 | 03/23/07 | 7 |
| | B season | West of 170° W long | 06/10/07 | 09/01/07 | 83 |
| | | West of 170° W long | 10/01/07 | 12/03/07 | 63 |
| 2008 | A season | West of 170° W long | 03/10/08 | 03/18/08 | 8 |
| | B season | West of 170° W long | 06/10/08 | 07/09/08 | 29 |
| 2009 | A season | West of 170° W long | 03/25/09 | 04/01/09 | 7 |
| | | West of 170° W long | 04/07/09 | 06/09/09 | 63 |
| | B season | West of 170° W long | 06/10/09 | 09/01/09 | 83 |
| 2010 | A season | West of 170° W long | 03/16/10 | 06/04/10 | 80 |
| | B season | West of 170° W long | 06/10/10 | 09/01/10 | 83 |
| | | West of 170° W long | 11/15/10 | 12/31/10 | 46 |
| 2011 | A season | West of 170° W long | 03/30/11 | 04/01/11 | 2 |
| | | West of 170° W long | 04/05/11 | 06/09/11 | 65 |
| | B season | West of 170° W long | 06/10/11 | 09/01/11 | 83 |
| | | West of 170° W long | 10/25/11 | 12/31/11 | 67 |
| 2012 | A season | 175° to 178° W long | 01/01/12 | 06/09/12 | 160 |
| | | West of 170° W long | 03/04/12 | 04/01/12 | 28 |
| | | West of 170° W long | 04/15/12 | 06/09/12 | 55 |
| | B season | West of 170° W long | 06/10/12 | 09/01/12 | 83 |
| 2013 | A season | 175° to 178° W long | 01/01/13 | 06/09/13 | 159 |
| | | West of 170° W long | 03/15/13 | 04/01/13 | 17 |
| | B season | West of 170° W long | 06/10/13 | 09/01/13 | 83 |
| 2014 | A season | 175° to 178° W long | 01/01/14 | 06/09/14 | 159 |
| | | West of 170° W long | 03/15/14 | 06/09/14 | 86 |
| | B season | West of 170° W long | 06/10/14 | 12/31/14 | 204 |
| 2015 | A season | 175° to 178° W long | 01/01/15 | 06/09/15 | 159 |
| | | West of 170° W long | 03/03/15 | 06/09/15 | 98 |
| | B season | West of 170° W long | 06/10/15 | 12/31/15 | 204 |
| 2016 | | 175° to 178° W long | 01/01/16 | 12/31/16 | 365 |
| | | West of 170° W long | 03/13/16 | 12/31/16 | 293 |
| 2017 | | 175° to 178° W long | 01/01/17 | 12/31/17 | 365 |
| | | West of 170° W long | 02/27/17 | 12/31/17 | 307 |

^a In days.

Table 9.—Dutch Harbor Subdistrict state-waters Pacific cod fishery harvest, effort, value, and season dates, 2014–2016.

| Year | GHL ^a | Harvest ^a | Vessels | Landings | Average price per pound ^b | Fishery value ^c | Season dates | | Season duration ^d |
|------|------------------|----------------------|---------|----------|---|-------------------------------|--------------|----------|---------------------------------|
| | | | | | | | Opened | Closed | |
| 2014 | 17,863,874 | 17,666,510 | 16 | 205 | \$0.29 | \$5.01 | 02/11/14 | 09/01/14 | 202 |
| 2015 | 18,029,404 | 17,636,103 | 14 | 183 | \$0.28 | \$4.76 | 02/09/15 | 03/31/15 | 50 |
| 2016 | 35,979,072 | 35,519,920 | 24 | 421 | \$0.26 | \$9.85 | 02/12/16 | 04/22/16 | 70 |
| 2017 | 33,721,562 | 33,247,414 | 24 | 349 | \$0.31 | \$10.07 | 02/09/17 | 04/08/17 | 58 |

Note: GHL = guideline harvest level.

^a In whole fish pounds

^b Price per pound of landed weight of fish sold for human consumption.

^c Fishery value based on landed weight, in millions of dollars.

^d Days.

Table 10.—Bering Sea-Aleutian Islands Area parallel fishery number of vessels and landings, harvest by gear type, and at-sea discards, by species, 1995–2016.

| Year | Vessels | Landings | Harvest ^{a, b} | | | | Total | At-sea discards ^a |
|--------------------|---------|----------|-------------------------|-----------|------------|----------------|------------|------------------------------|
| | | | Trawl | Longline | Pot | Jig/hand troll | | |
| Pacific cod | | | | | | | | |
| 1995 | 146 | 1,030 | 12,240,195 | 1,990,938 | 5,486,619 | 773,895 | 20,491,646 | 47,630 |
| 1996 | 157 | 956 | 5,760,550 | 444,538 | 11,540,368 | 407,811 | 18,153,267 | 104,680 |
| 1997 | 104 | 378 | 809,297 | 1,465,696 | 2,064,358 | 208,326 | 4,547,676 | 15,988 |
| 1998 | 110 | 400 | 3,975,738 | 4,128,807 | 3,624,994 | 210,316 | 11,939,854 | 75 |
| 1999 | 129 | 500 | 8,963,780 | 1,444,465 | 7,105,630 | 281,754 | 17,795,629 | 4,978 |
| 2000 | 161 | 573 | 5,369,957 | 3,604,038 | 6,523,840 | 102,903 | 15,600,739 | 16,654 |
| 2001 | 129 | 403 | 7,035,831 | 3,973,338 | 3,145,956 | 172,405 | 14,327,530 | 8,468 |
| 2002 | 111 | 369 | 13,768,587 | 481,119 | 1,887,114 | 351,404 | 16,488,224 | 3,493 |
| 2003 | 111 | 450 | 13,456,640 | 841,821 | 4,928,807 | 144,477 | 19,371,745 | 13,358 |
| 2004 | 117 | 568 | 12,247,656 | 1,841,934 | 4,616,764 | 461,553 | 19,167,907 | 33,153 |
| 2005 | 92 | 381 | 4,056,390 | 2,526,537 | 3,116,586 | 233,947 | 9,933,460 | 11,595 |
| 2006 | 107 | 349 | 2,470,193 | 1,238,093 | 2,998,600 | 141,285 | 6,848,171 | 51,423 |
| 2007 | 109 | 337 | 3,924,415 | 1,401,829 | 1,507,579 | 180,322 | 7,014,145 | 23,405 |
| 2008 | 108 | 372 | 2,526,207 | 2,542,514 | 4,582,253 | 327,512 | 9,978,486 | 19,875 |
| 2009 | 81 | 224 | 1,659,521 | 690,143 | 3,697,654 | 27,693 | 6,075,011 | 12,266 |
| 2010 | 80 | 308 | 3,247,752 | 2,106,124 | 4,949,276 | 736,802 | 11,039,954 | 12,990 |
| 2011 | 81 | 278 | 311,666 | 1,500,220 | 2,333,841 | 946,814 | 5,092,541 | 15,856 |
| 2012 | 63 | 204 | 163,562 | 2,413,244 | 1,577,736 | 186,731 | 4,341,273 | 4,994 |
| 2013 | 57 | 188 | 92,961 | 2,660,883 | 605,520 | 23,983 | 3,383,347 | 24,039 |
| 2014 | 34 | 231 | 106,441 | 7,865,970 | 1,186,530 | 1,324 | 9,160,264 | 19,505 |
| 2015 | 67 | 258 | 2,630,870 | 4,065,759 | 1,672,730 | 61,735 | 8,431,094 | 25,682 |
| 2016 | 57 | 159 | 2,220,049 | 1,820,888 | 3,014,448 | 62,247 | 7,117,632 | 26,705 |
| 2017 | 71 | 185 | 656,555 | 2,443,576 | 4,281,339 | 10,326 | 7,391,796 | 33,983 |

-continued-

Table 10.–Page 2 of 13.

| Year | Vessels | Landings | Harvest ^{a, b} | | | | Total | At-sea discards ^a |
|------------------------|---------|----------|-------------------------|----------|--------|----------------|------------|------------------------------|
| | | | Trawl | Longline | Pot | Jig/hand troll | | |
| Walleye pollock | | | | | | | | |
| 1995 | 37 | 59 | 28,180,359 | 0 | 170 | 0 | 28,180,529 | 232,153 |
| 1996 | 40 | 63 | 20,753,566 | 0 | 96,368 | 0 | 20,849,933 | 468,102 |
| 1997 | 31 | 61 | 18,539,560 | 0 | 0 | 2,165 | 18,541,725 | 197,347 |
| 1998 | 47 | 92 | 13,385,826 | 6,114 | 1,274 | 0 | 13,393,213 | 154,466 |
| 1999 | 18 | 32 | 1,466,815 | CF | CF | 0 | 1,467,967 | 41,944 |
| 2000 | 34 | 50 | 3,647,819 | 5,824 | 2,792 | 0 | 3,656,434 | 5,145 |
| 2001 | 47 | 71 | 5,460,805 | 27,481 | 781 | 0 | 5,489,068 | 51,487 |
| 2002 | 28 | 49 | 11,172,229 | CF | CF | 0 | 11,172,548 | 68,374 |
| 2003 | 38 | 85 | 10,940,817 | CF | CF | 0 | 10,943,496 | 2,869 |
| 2004 | 50 | 138 | 20,138,475 | 9,402 | 120 | 0 | 20,147,997 | 61,923 |
| 2005 | 28 | 51 | 5,306,986 | CF | CF | 0 | 5,308,435 | 1,068 |
| 2006 | 37 | 54 | 2,904,468 | CF | CF | 0 | 2,914,527 | 23,032 |
| 2007 | 38 | 90 | 6,228,344 | CF | CF | 0 | 6,228,704 | 41,568 |
| 2008 | 31 | 58 | 5,852,028 | CF | CF | 0 | 5,859,027 | 256 |
| 2009 | 30 | 65 | 16,958,999 | CF | CF | 0 | 16,959,350 | 8,432 |
| 2010 | 28 | 72 | 9,264,496 | 3,037 | 0 | 0 | 9,267,534 | 1,161 |
| 2011 | 31 | 56 | 7,492,409 | 27,972 | 45 | 0 | 7,520,426 | 10,055 |
| 2012 | 39 | 68 | 2,351,121 | 39,114 | 93 | 752 | 2,391,080 | 19,099 |
| 2013 | 25 | 47 | 5,846,951 | 9,827 | 7 | 0 | 5,856,785 | 14,717 |
| 2014 | 23 | 56 | 3,005,535 | 30,811 | 687 | 0 | 3,037,033 | 14,803 |
| 2015 | 41 | 158 | 14,783,901 | 13,954 | 4,304 | 0 | 14,802,159 | 15,431 |
| 2016 | 41 | 108 | 5,884,127 | 9 | 2,156 | 0 | 5,886,292 | 332 |
| 2017 | 38 | 108 | 4,429,159 | 0 | 1,096 | 0 | 4,430,255 | 279 |

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Table 10.–Page 3 of 13.

| Year | Vessels | Landings | Harvest ^{a, b} | | | | Total | At-sea discards ^a |
|----------------------|---------|----------|-------------------------|----------|-------|----------------|-----------|------------------------------|
| | | | Trawl | Longline | Pot | Jig/hand troll | | |
| Atka mackerel | | | | | | | | |
| 1995 | 11 | 14 | 270,939 | 0 | 58 | 0 | 270,997 | 169,479 |
| 1996 | 8 | 13 | 25,654 | CF | CF | 0 | 26,220 | 76,820 |
| 1997 | 3 | 4 | CF | 0 | CF | 0 | 17,621 | 89 |
| 1998 | 5 | 7 | 2,581 | CF | CF | 0 | 2,690 | 8,586 |
| 1999 | 4 | 5 | 408,716 | CF | CF | 0 | 408,738 | 125,739 |
| 2000 | 6 | 7 | 145,410 | 0 | 216 | 0 | 145,626 | 25,204 |
| 2001 | 12 | 13 | 27,070 | CF | CF | 0 | 29,430 | 37,690 |
| 2002 | 13 | 19 | 3,793 | CF | CF | 0 | 3,793 | 22,533 |
| 2003 | 25 | 71 | 13,371 | 0 | 4,294 | 0 | 17,665 | 23,367 |
| 2004 | 32 | 99 | 133,390 | CF | CF | 0 | 133,402 | 42,477 |
| 2005 | 11 | 27 | 67,875 | 0 | 0 | 0 | 67,875 | 10,726 |
| 2006 | 8 | 14 | 120,372 | CF | CF | 0 | 120,400 | 91,034 |
| 2007 | 21 | 40 | 791,619 | 0 | 0 | 0 | 791,619 | 954 |
| 2008 | 13 | 25 | 1,383,111 | 0 | 0 | 0 | 1,383,111 | 174,052 |
| 2009 | 11 | 16 | 485 | CF | CF | 0 | 524 | 1,044 |
| 2010 | 19 | 39 | 131,747 | CF | CF | 0 | 132,088 | 1,924 |
| 2011 | 12 | 20 | 81,598 | 0 | 39 | 0 | 81,637 | 11,343 |
| 2012 | 19 | 34 | 309,229 | 289 | 101 | 0 | 309,619 | 53,576 |
| 2013 | 4 | 5 | 234 | 0 | 18 | 0 | 252 | 4,117 |
| 2014 | 5 | 6 | 268,509 | 0 | 120 | 0 | 268,629 | 410 |
| 2015 | 14 | 18 | 826,670 | 0 | 78 | 26 | 826,774 | 18,772 |
| 2016 | 11 | 15 | 1,851,205 | 0 | 2 | 0 | 1,851,207 | 58,449 |
| 2017 | 12 | 18 | 804,979 | 0 | 8 | 0 | 804,987 | 38,097 |

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Table 10.–Page 4 of 13.

| Year | Vessels | Landings | Harvest ^{a, b} | | | | Total | At-sea discards ^a |
|----------------------------|---------|----------|-------------------------|-----------|-----|----------------|-----------|------------------------------|
| | | | Trawl | Longline | Pot | Jig/hand troll | | |
| Pacific ocean perch | | | | | | | | |
| 1995 | 10 | 16 | 10,226 | 0 | 0 | 0 | 10,226 | 23,657 |
| 1996 | 17 | 25 | 13,225 | 0 | 0 | 0 | 13,225 | 55,559 |
| 1997 | 9 | 12 | 2,213 | CF | CF | 0 | 5,907 | 4,625 |
| 1998 | 18 | 30 | 85,704 | 0 | 0 | 0 | 85,704 | 9,409 |
| 1999 | 4 | 5 | CF | CF | CF | 0 | 23,442 | 20,640 |
| 2000 | 3 | 3 | CF | CF | 0 | 0 | 420 | 4,310 |
| 2001 | 4 | 6 | 4,989 | 0 | 0 | 0 | 4,989 | 2,093 |
| 2002 | 10 | 10 | 3,291 | 0 | 0 | 0 | 3,291 | 3,375 |
| 2003 | 18 | 42 | 18,375 | 0 | 0 | 0 | 18,375 | 1,002 |
| 2004 | 25 | 65 | 3,246 | 0 | 0 | 0 | 3,246 | 5,310 |
| 2005 | 9 | 25 | 56,004 | 0 | 0 | 0 | 56,004 | 1,494 |
| 2006 | 13 | 22 | 42,245 | CF | CF | 0 | 42,251 | 2,258 |
| 2007 | 33 | 78 | 265,499 | CF | CF | 0 | 265,533 | 25,696 |
| 2008 | 17 | 35 | 145,478 | 0 | 0 | 0 | 145,478 | 24,820 |
| 2009 | 15 | 33 | 8,895 | 0 | 0 | 0 | 8,895 | 1,804 |
| 2010 | 12 | 34 | 19,641 | CF | 0 | 0 | 19,763 | 3,521 |
| 2011 | 13 | 25 | 112,492 | 38 | 0 | 0 | 112,530 | 143 |
| 2012 | | 20 | 44 | 2,210,431 | 0 | 0 | 0 | 2,210,431 |
| 2013 | 7 | 25 | 1,522,527 | 1,600 | 0 | 0 | 1,524,127 | 36,936 |
| 2014 | 5 | 21 | 489,916 | 1,697 | 0 | 0 | 491,613 | 21,875 |
| 2015 | 19 | 63 | 1,078,867 | 923 | 0 | 0 | 1,079,790 | 36,043 |
| 2016 | 11 | 23 | 903,502 | 0 | 0 | 20 | 903,522 | 18,728 |
| 2017 | 11 | 24 | 1,108,021 | 0 | 1 | 0 | 1,108,022 | 26,073 |

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Table 10.–Page 5 of 13.

| Year | Vessels | Landings | Harvest ^{a, b} | | | | Total | At-sea discards ^a |
|---|---------|----------|-------------------------|----------|-----|----------------|--------|------------------------------|
| | | | Trawl | Longline | Pot | Jig/hand troll | | |
| Shortraker and rougheye rockfish | | | | | | | | |
| 1995 | 16 | 19 | CF | 11,295 | 0 | CF | 11,496 | 2,584 |
| 1996 | 22 | 27 | CF | 10,102 | 0 | CF | 10,765 | 0 |
| 1997 | 14 | 17 | CF | 6,532 | 0 | CF | 6,766 | 1,559 |
| 1998 | 4 | 9 | CF | 2,738 | 0 | CF | 4,470 | 0 |
| 1999 | 7 | 10 | CF | 2,952 | 0 | CF | 3,020 | 7,084 |
| 2000 | 15 | 21 | 0 | 10,272 | 0 | 0 | 10,272 | 3,234 |
| 2001 | 21 | 34 | 0 | 7,524 | CF | CF | 7,660 | 797 |
| 2002 | 5 | 5 | CF | 339 | CF | 0 | 345 | 710 |
| 2003 | 7 | 8 | CF | 334 | CF | 0 | 644 | 1,199 |
| 2004 | 13 | 22 | 245 | 2,685 | CF | CF | 2,988 | 365 |
| 2005 | 8 | 9 | CF | 690 | 0 | CF | 724 | 490 |
| 2006 | 13 | 16 | CF | 2,895 | CF | 0 | 3,700 | 1,365 |
| 2007 | 15 | 29 | 852 | 6,265 | 0 | 0 | 7,116 | 5,835 |
| 2008 | 12 | 17 | 217 | 3,607 | 0 | 0 | 3,824 | 1,673 |
| 2009 | 13 | 17 | 517 | 5,066 | 0 | 0 | 5,583 | 468 |
| 2010 | 18 | 32 | 794 | 11,053 | 0 | 0 | 11,847 | 1,342 |
| 2011 | 16 | 28 | 180 | 7,085 | 0 | 0 | 7,265 | 667 |
| 2012 | 12 | 29 | 9,934 | 3,708 | 0 | 0 | 13,642 | 13,677 |
| 2013 | 11 | 26 | 4,659 | 9,970 | 0 | 0 | 14,629 | 8,364 |
| 2014 | 12 | 20 | 529 | 12,202 | 0 | 0 | 12,731 | 4,180 |
| 2015 | 8 | 11 | 1,633 | 107 | 0 | 0 | 1,740 | 4,832 |
| 2016 | 10 | 19 | 76 | 11,676 | 0 | 35 | 11,787 | 1,502 |
| 2017 | 12 | 18 | 748 | 1,158 | 0 | 0 | 1,906 | 3,383 |

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Table 10.–Page 6 of 13.

| Year | Vessels | Landings | Harvest ^{a, b} | | | | Total | At-sea discards ^a |
|--|---------|----------|-------------------------|----------|-----|----------------|--------|------------------------------|
| | | | Trawl | Longline | Pot | Jig/hand troll | | |
| Sharpchin and northern rockfish | | | | | | | | |
| 1995 | 2 | 4 | CF | 0 | 0 | 0 | CF | 1,862 |
| 1996 | 4 | 5 | 1,945 | 0 | 0 | 0 | 1,945 | 55,822 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1998 | 1 | 1 | CF | 0 | 0 | 0 | CF | 9,136 |
| 1999 | 2 | 3 | CF | 0 | 0 | 0 | CF | 19,076 |
| 2000 | 5 | 6 | 243 | 0 | CF | CF | 327 | 23,414 |
| 2001 | 1 | 1 | 0 | CF | 0 | 0 | CF | 20,308 |
| 2002 | 5 | 6 | 1,922 | CF | CF | 0 | 1,993 | 6,466 |
| 2003 | 14 | 17 | 1,669 | CF | CF | 0 | 1,679 | 24,658 |
| 2004 | 25 | 48 | 13,191 | 0 | 0 | 0 | 13,191 | 23,701 |
| 2005 | 6 | 7 | 287 | 0 | 0 | 0 | 287 | 18,667 |
| 2006 | 5 | 10 | 178 | 0 | 0 | 0 | 178 | 4,563 |
| 2007 | 11 | 21 | 25,749 | 0 | 0 | 0 | 25,749 | 7,536 |
| 2008 | 7 | 12 | 78,584 | 0 | 0 | 0 | 78,584 | 16,857 |
| 2009 | 7 | 7 | 83 | 0 | 0 | 0 | 83 | 2,056 |
| 2010 | 19 | 45 | 5,812 | 3,286 | 0 | 0 | 9,098 | 9,080 |
| 2011 | 8 | 12 | 4,415 | 0 | 0 | 0 | 4,415 | 19 |
| 2012 | 17 | 26 | 5,516 | 0 | 0 | 0 | 5,516 | 5,821 |
| 2013 | 5 | 8 | 26,695 | 11 | 0 | 0 | 26,706 | 6,567 |
| 2014 | 5 | 6 | 11,287 | 0 | 0 | 0 | 11,287 | 1,101 |
| 2015 | 11 | 15 | 54,234 | 0 | 0 | 0 | 54,234 | 3,954 |
| 2016 | 13 | 18 | 69,541 | 0 | 0 | 30 | 69,571 | 5,298 |
| 2017 | 9 | 13 | 33,959 | 2,082 | 10 | 0 | 36,051 | 6,591 |

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Table 10.–Page 7 of 13.

| Year | Vessels | Landings | Harvest ^{a, b} | | | | Total | At-sea discards ^a |
|-----------------------|---------|----------|-------------------------|----------|-------|----------------|--------|------------------------------|
| | | | Trawl | Longline | Pot | Jig/hand troll | | |
| Other rockfish | | | | | | | | |
| 1995 | 30 | 55 | CF | 24,872 | CF | CF | 24,933 | 2,195 |
| 1996 | 30 | 54 | 66 | 43,613 | CF | CF | 43,769 | 140 |
| 1997 | 26 | 51 | CF | 19,113 | 0 | CF | 19,865 | 1,333 |
| 1998 | 34 | 98 | 883 | 25,590 | 0 | 0 | 26,473 | 4,730 |
| 1999 | 24 | 35 | 1,756 | 16,525 | CF | CF | 18,326 | 7,687 |
| 2000 | 27 | 59 | 0 | 43,934 | CF | CF | 44,042 | 7,919 |
| 2001 | 38 | 105 | CF | 56,931 | 130 | CF | 57,063 | 5,268 |
| 2002 | 33 | 74 | 182 | 56,052 | 0 | 339 | 56,574 | 1,105 |
| 2003 | 42 | 116 | 474 | 57,647 | 550 | 0 | 58,671 | 4,045 |
| 2004 | 43 | 128 | 2,697 | 34,978 | CF | CF | 37,798 | 1,316 |
| 2005 | 36 | 87 | 437 | 25,554 | CF | CF | 26,017 | 781 |
| 2006 | 26 | 66 | 1,255 | 15,210 | 259 | 0 | 16,724 | 3,133 |
| 2007 | 33 | 90 | 8,420 | 21,513 | CF | CF | 30,259 | 3,279 |
| 2008 | 46 | 91 | 2,213 | 30,914 | CF | CF | 33,128 | 3,914 |
| 2009 | 50 | 108 | 2,459 | 26,342 | 0 | 0 | 28,801 | 1,493 |
| 2010 | 42 | 95 | 1,639 | 27,750 | 0 | 0 | 29,389 | 2,067 |
| 2011 | 40 | 83 | 4,242 | 20,844 | 0 | 0 | 25,086 | 852 |
| 2012 | 45 | 98 | 12,584 | 28,213 | 1 | 133 | 40,932 | 7,324 |
| 2013 | 24 | 54 | 1,383 | 23,058 | 0 | 0 | 24,441 | 4,211 |
| 2014 | 24 | 56 | 5,412 | 14,733 | 4,545 | 5 | 24,695 | 3,549 |
| 2015 | 33 | 111 | 17,098 | 12,790 | 2,517 | 137 | 32,542 | 1,218 |
| 2016 | 34 | 83 | 29,392 | 8,677 | 624 | 11 | 38,704 | 4,253 |
| 2017 | 32 | 59 | 5,995 | 10,997 | 0 | 0 | 16,992 | 10,587 |

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Table 10.–Page 8 of 13.

| Year | Vessels | Landings | Harvest ^{a, b} | | | | Total | At-sea discards ^a |
|-------------------------|---------|----------|-------------------------|----------|-----|----------------|---------|------------------------------|
| | | | Trawl | Longline | Pot | Jig/hand troll | | |
| Greenland turbot | | | | | | | | |
| 1995 | 17 | 26 | 174,262 | 107,109 | 0 | 0 | 281,372 | 4,837 |
| 1996 | 32 | 48 | 735 | 170,135 | 0 | 0 | 170,870 | 5,508 |
| 1997 | 23 | 44 | 1,298 | 84,420 | 0 | 0 | 85,718 | 8,949 |
| 1998 | 26 | 81 | 1,022 | 338,314 | 0 | 0 | 339,336 | 0 |
| 1999 | 15 | 28 | CF | 73,225 | CF | 0 | 85,021 | 1,587 |
| 2000 | 19 | 37 | CF | 109,079 | CF | 0 | 110,607 | 15,109 |
| 2001 | 29 | 68 | CF | 149,819 | CF | 0 | 151,722 | 843 |
| 2002 | 14 | 34 | CF | 45,303 | CF | 0 | 46,020 | 670 |
| 2003 | 13 | 31 | CF | 50,590 | CF | 0 | 51,141 | 3,175 |
| 2004 | 17 | 29 | CF | 15,378 | CF | 0 | 15,992 | 2,324 |
| 2005 | 6 | 9 | CF | 6,238 | CF | 0 | 6,494 | 1,643 |
| 2006 | 15 | 22 | 2,112 | 17,984 | 0 | 0 | 20,096 | 1,852 |
| 2007 | 9 | 13 | 36,170 | CF | CF | 0 | 64,630 | 1,443 |
| 2008 | 10 | 13 | 358 | 6,783 | 0 | 0 | 7,141 | 1,026 |
| 2009 | 6 | 7 | CF | CF | 0 | 0 | 7,464 | 599 |
| 2010 | 7 | 12 | 87 | 7,113 | 0 | 0 | 7,200 | 1,324 |
| 2011 | 5 | 8 | 41 | 6,792 | 0 | 0 | 6,833 | 780 |
| 2012 | 5 | 11 | 1,213 | 10,078 | 0 | 0 | 11,291 | 1,310 |
| 2013 | 6 | 13 | 1,066 | 19,835 | 0 | 0 | 20,901 | 2,511 |
| 2014 | 2 | 9 | 0 | CF | 0 | 0 | CF | 912 |
| 2015 | 2 | 2 | 0 | CF | 0 | 0 | CF | 1,410 |
| 2016 | 3 | 8 | 0 | 0 | 0 | 0 | 0 | 1,115 |
| 2017 | 2 | 2 | 5,010 | 0 | 0 | 0 | 5,010 | 2,122 |

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Table 10.–Page 9 of 13.

| Year | Vessels | Landings | Harvest ^{a, b} | | | | Total | At-sea discards ^a |
|----------------------------|---------|----------|-------------------------|----------|-----|----------------|---------|------------------------------|
| | | | Trawl | Longline | Pot | Jig/hand troll | | |
| Arrowtooth flounder | | | | | | | | |
| 1995 | 10 | 16 | 2,111 | CF | CF | 0 | 2,121 | 18,681 |
| 1996 | 15 | 24 | 7,724 | CF | CF | 0 | 7,759 | 26,757 |
| 1997 | 8 | 17 | 15,075 | CF | CF | 0 | 15,141 | 5,806 |
| 1998 | 9 | 17 | 14,897 | CF | CF | 0 | 15,514 | 15,658 |
| 1999 | 5 | 10 | 220,813 | 741 | 0 | 0 | 221,555 | 531,072 |
| 2000 | 10 | 12 | 2,496 | CF | CF | 0 | 11,121 | 15,389 |
| 2001 | 19 | 33 | 674 | CF | CF | 0 | 3,251 | 34,055 |
| 2002 | 15 | 29 | 15,090 | CF | CF | 0 | 15,227 | 22,493 |
| 2003 | 36 | 72 | 23,828 | CF | CF | 0 | 24,305 | 21,782 |
| 2004 | 39 | 110 | 77,206 | CF | CF | 0 | 80,907 | 53,434 |
| 2005 | 24 | 48 | 28,083 | CF | CF | 0 | 28,748 | 9,650 |
| 2006 | 32 | 45 | 8,119 | CF | CF | 0 | 13,363 | 18,860 |
| 2007 | 23 | 52 | 112,740 | CF | CF | 0 | 130,676 | 9,720 |
| 2008 | 16 | 36 | 29,181 | CF | CF | 0 | 32,671 | 6,510 |
| 2009 | 23 | 62 | 106,387 | CF | CF | 0 | 108,422 | 11,958 |
| 2010 | 26 | 60 | 87,222 | 6,662 | 0 | 0 | 93,884 | 44,852 |
| 2011 | 20 | 33 | 157,515 | 321 | 0 | 0 | 157,836 | 26,821 |
| 2012 | 25 | 41 | 76,014 | 0 | 1 | 305 | 76,320 | 108,481 |
| 2013 | 18 | 25 | 28,345 | 0 | 0 | 0 | 28,345 | 115,728 |
| 2014 | 8 | 12 | 1,935 | 1,203 | 0 | 0 | 3,138 | 8,449 |
| 2015 | 15 | 49 | 33,252 | 0 | 0 | 0 | 33,252 | 37,399 |
| 2016 | 14 | 18 | 3,476 | 0 | 3 | 4 | 3,483 | 60,513 |
| 2017 | 14 | 18 | 49,615 | 0 | 1 | 0 | 49,616 | 37,544 |

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Table 10.–Page 10 of 13.

| Year | Vessels | Landings | Harvest ^{a, b} | | | | Total | At-sea discards ^a |
|------------------|---------|----------|-------------------------|----------|-----|----------------|---------|------------------------------|
| | | | Trawl | Longline | Pot | Jig/hand troll | | |
| Rock sole | | | | | | | | |
| 1995 | 8 | 10 | 4,056 | CF | CF | 0 | 4,162 | 48,408 |
| 1996 | 13 | 20 | 3,107 | 0 | 0 | 0 | 3,107 | 118,601 |
| 1997 | 7 | 12 | 5,880 | 0 | 0 | 0 | 5,880 | 58,033 |
| 1998 | 7 | 9 | 2,181 | 0 | 0 | 0 | 2,181 | 133,355 |
| 1999 | 4 | 6 | 2,181 | 0 | 0 | 0 | 2,181 | 209,046 |
| 2000 | 19 | 27 | 43,952 | CF | CF | 0 | 43,977 | 50,277 |
| 2001 | 14 | 27 | 7,708 | CF | CF | 0 | 7,723 | 132,203 |
| 2002 | 7 | 9 | 8,984 | 0 | 0 | 0 | 8,984 | 152,306 |
| 2003 | 22 | 66 | 75,160 | 0 | 0 | 0 | 75,160 | 131,402 |
| 2004 | 31 | 71 | 17,830 | CF | CF | 0 | 17,976 | 270,276 |
| 2005 | 14 | 22 | 10,052 | CF | CF | 0 | 10,385 | 40,399 |
| 2006 | 21 | 35 | 12,235 | CF | CF | 0 | 12,508 | 86,730 |
| 2007 | 33 | 86 | 7,202 | CF | CF | 0 | 7,234 | 68,030 |
| 2008 | 24 | 55 | 23,067 | CF | CF | 0 | 23,077 | 42,931 |
| 2009 | 21 | 29 | 12,994 | 0 | 0 | 0 | 12,994 | 25,827 |
| 2010 | 30 | 100 | 116,429 | CF | 0 | 0 | 116,436 | 193,160 |
| 2011 | 20 | 32 | 325,221 | 0 | 0 | 0 | 325,221 | 26,984 |
| 2012 | 36 | 108 | 294,997 | 0 | 133 | 0 | 295,130 | 105,132 |
| 2013 | 14 | 15 | 13,863 | 0 | 0 | 0 | 13,863 | 62,317 |
| 2014 | 12 | 29 | 258,190 | 0 | 307 | 0 | 258,497 | 85,299 |
| 2015 | 24 | 61 | 259,427 | 0 | 154 | 0 | 259,581 | 86,542 |
| 2016 | 15 | 31 | 210,230 | 1 | 771 | 0 | 211,002 | 31,849 |
| 2017 | 24 | 38 | 34,674 | 0 | 234 | 0 | 34,907 | 15,770 |

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Table 10.–Page 11 of 13.

| Year | Vessels | Landings | Harvest ^{a, b} | | | | Total | At-sea discards ^a |
|-----------------------|---------|----------|-------------------------|----------|-------|----------------|---------|------------------------------|
| | | | Trawl | Longline | Pot | Jig/hand troll | | |
| Yellowfin sole | | | | | | | | |
| 1995 | 4 | 4 | CF | 0 | CF | 0 | 192 | 2,865 |
| 1996 | 6 | 8 | 16,008 | CF | CF | 0 | 16,038 | 71,964 |
| 1997 | 3 | 3 | CF | 0 | CF | 0 | 16 | CF |
| 1998 | 5 | 7 | 828 | 0 | 52 | 0 | 880 | 8,891 |
| 1999 | 2 | 3 | 34,778 | 0 | 0 | 0 | 34,778 | 21,910 |
| 2000 | 1 | 1 | CF | 0 | CF | 0 | CF | 1,115 |
| 2001 | 3 | 3 | CF | 0 | CF | 0 | 23 | 61,296 |
| 2002 | 1 | 1 | CF | 0 | CF | 0 | CF | 27,072 |
| 2003 | 4 | 5 | 29 | CF | CF | 0 | 31 | 24,990 |
| 2004 | 6 | 10 | 108 | CF | CF | 0 | 609 | 1,237 |
| 2005 | 9 | 11 | 220 | CF | CF | 0 | 329 | 4,412 |
| 2006 | 5 | 5 | 88 | 0 | 0 | 0 | 88 | 950 |
| 2007 | 4 | 6 | 23 | CF | CF | 0 | 133 | 5,492 |
| 2008 | 4 | 4 | CF | 0 | CF | 0 | 641 | CF |
| 2009 | 1 | 1 | CF | 0 | CF | 0 | CF | CF |
| 2010 | 5 | 5 | 17,738 | 0 | 0 | 0 | 17,738 | 18,600 |
| 2011 | 7 | 8 | 5,935 | 0 | 0 | 0 | 5,935 | 4,103 |
| 2012 | 6 | 7 | 8,018 | 0 | 0 | 0 | 8,018 | 9,205 |
| 2013 | 3 | 3 | 55 | 0 | 4 | 0 | 59 | 225 |
| 2014 | 3 | 3 | 2,857 | 0 | 0 | 0 | 2,857 | 14,202 |
| 2015 | 5 | 8 | 7,642 | 0 | 22 | 0 | 7,664 | 804 |
| 2016 | 6 | 6 | 2,559 | 2 | 143 | 0 | 2,704 | 128 |
| 2017 | 17 | 18 | 150,687 | 0 | 1,104 | 0 | 151,791 | 16,991 |

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Table 10.–Page 12 of 13.

| Year | Vessels | Landings | Harvest ^{a, b} | | | | Total | At-sea discards ^a |
|----------------------|---------|----------|-------------------------|----------|------|----------------|---------|------------------------------|
| | | | Trawl | Longline | Pot | Jig/hand troll | | |
| Flathead sole | | | | | | | | |
| 1995 | 7 | 11 | 816 | CF | CF | 0 | 829 | 1,290 |
| 1996 | 16 | 24 | 5,877 | 0 | 0 | 0 | 5,877 | 64,413 |
| 1997 | 6 | 14 | 16,898 | 0 | 0 | 0 | 16,898 | 10,434 |
| 1998 | 12 | 23 | 12,847 | CF | CF | 0 | 12,850 | 29,037 |
| 1999 | 5 | 11 | 19,129 | 0 | 0 | 0 | 19,129 | 59,068 |
| 2000 | 15 | 18 | 4,867 | 0 | 81 | 0 | 4,948 | 6,268 |
| 2001 | 16 | 22 | 2,723 | 0 | 11 | 0 | 2,734 | 18,861 |
| 2002 | 21 | 29 | 11,082 | CF | CF | 0 | 11,096 | 59,128 |
| 2003 | 25 | 42 | 5,435 | CF | CF | 0 | 5,467 | 29,527 |
| 2004 | 35 | 85 | 10,155 | CF | CF | 0 | 10,523 | 17,964 |
| 2005 | 25 | 41 | 5,394 | 0 | 47 | 0 | 5,441 | 4,226 |
| 2006 | 20 | 29 | 5,606 | CF | CF | 0 | 5,831 | 8,165 |
| 2007 | 24 | 48 | 28,093 | 0 | 79 | 0 | 28,172 | 10,713 |
| 2008 | 13 | 27 | 23,835 | 0 | 0 | 0 | 23,835 | 940 |
| 2009 | 24 | 51 | 12,212 | CF | CF | 0 | 12,215 | 1,535 |
| 2010 | 18 | 43 | 46,607 | 0 | 0 | 0 | 46,607 | 6,334 |
| 2011 | 22 | 39 | 149,873 | 0 | 0 | 0 | 149,873 | 24,800 |
| 2012 | 17 | 27 | 10,330 | 0 | 0 | 0 | 10,330 | 5,875 |
| 2013 | 18 | 24 | 15,499 | 0 | 0 | 0 | 15,499 | 7,001 |
| 2014 | 10 | 13 | 37,474 | 21 | 34 | 0 | 37,529 | 11,628 |
| 2015 | 24 | 50 | 27,938 | 0 | 168 | 0 | 28,106 | 2,113 |
| 2016 | 25 | 42 | 4,729 | 1 | 1717 | 0 | 6,447 | 2,281 |
| 2017 | 22 | 31 | 3,533 | 0 | 261 | 0 | 3,794 | 602 |

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Table 10.–Page 13 of 13.

| Year | Vessels | Landings | Harvest ^{a, b} | | | | Total | At-sea discards ^a |
|-----------------------|---------|----------|-------------------------|----------|-------|----------------|--------|------------------------------|
| | | | Trawl | Longline | Pot | Jig/hand troll | | |
| Other flatfish | | | | | | | | |
| 1995 | 10 | 16 | 317 | 0 | 357 | 0 | 674 | CF |
| 1996 | 16 | 24 | 6,603 | 0 | 0 | 0 | 6,603 | 33,067 |
| 1997 | 10 | 24 | 7,579 | 0 | 0 | 0 | 7,579 | 23,338 |
| 1998 | 21 | 39 | 11,303 | CF | CF | 0 | 11,495 | 49,145 |
| 1999 | 7 | 10 | 36,071 | 0 | 0 | 0 | 36,071 | 10,334 |
| 2000 | 6 | 6 | 245 | CF | CF | 0 | 286 | 2,766 |
| 2001 | 6 | 9 | 159 | CF | CF | 0 | 163 | 21,077 |
| 2002 | 13 | 17 | 2,496 | 0 | 0 | 0 | 2,496 | 3,007 |
| 2003 | 18 | 37 | 3,167 | CF | CF | 0 | 3,174 | 1,667 |
| 2004 | 26 | 68 | 9,406 | 0 | 0 | 0 | 9,406 | 4,948 |
| 2005 | 15 | 32 | 7,691 | 0 | 0 | 0 | 7,691 | 3,801 |
| 2006 | 16 | 23 | 2,333 | CF | CF | 0 | 2,339 | 12,887 |
| 2007 | 14 | 40 | 80,018 | 0 | 0 | 0 | 80,018 | 6,171 |
| 2008 | 23 | 53 | 70,044 | CF | CF | 0 | 70,057 | 2,895 |
| 2009 | 20 | 38 | 64,886 | CF | CF | 0 | 64,951 | CF |
| 2010 | 17 | 37 | 96,785 | 0 | 0 | 0 | 96,785 | 11,701 |
| 2011 | 21 | 31 | 17,272 | 0 | 0 | 0 | 17,272 | 6,816 |
| 2012 | 13 | 20 | 28,529 | 0 | 0 | 0 | 28,529 | 13,102 |
| 2013 | 9 | 15 | 6,986 | 0 | 0 | 0 | 6,986 | 1,758 |
| 2014 | 3 | 3 | 8,496 | 0 | 0 | 0 | 8,496 | 8,269 |
| 2015 | 12 | 32 | 8,865 | 0 | 0 | 0 | 8,865 | 55,617 |
| 2016 | 13 | 28 | 52 | 0 | 817 | 0 | 869 | 23,149 |
| 2017 | 22 | 84 | 1,871 | 0 | 5,061 | 0 | 6,932 | 26,957 |

^a In whole fish pounds.

^b Discards at sea not included.

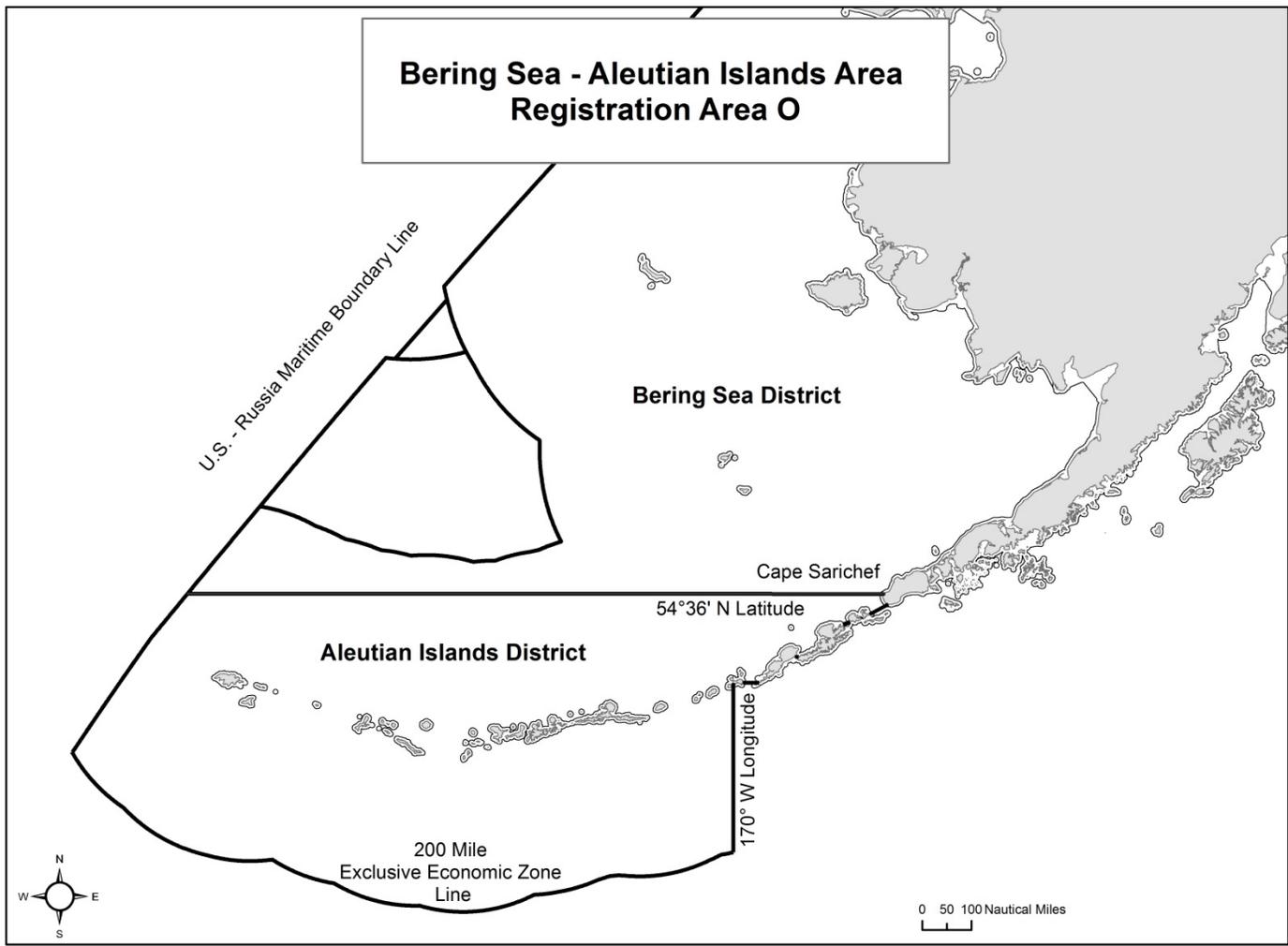


Figure 1.—Bering Sea-Aleutian Islands Area for groundfish management.

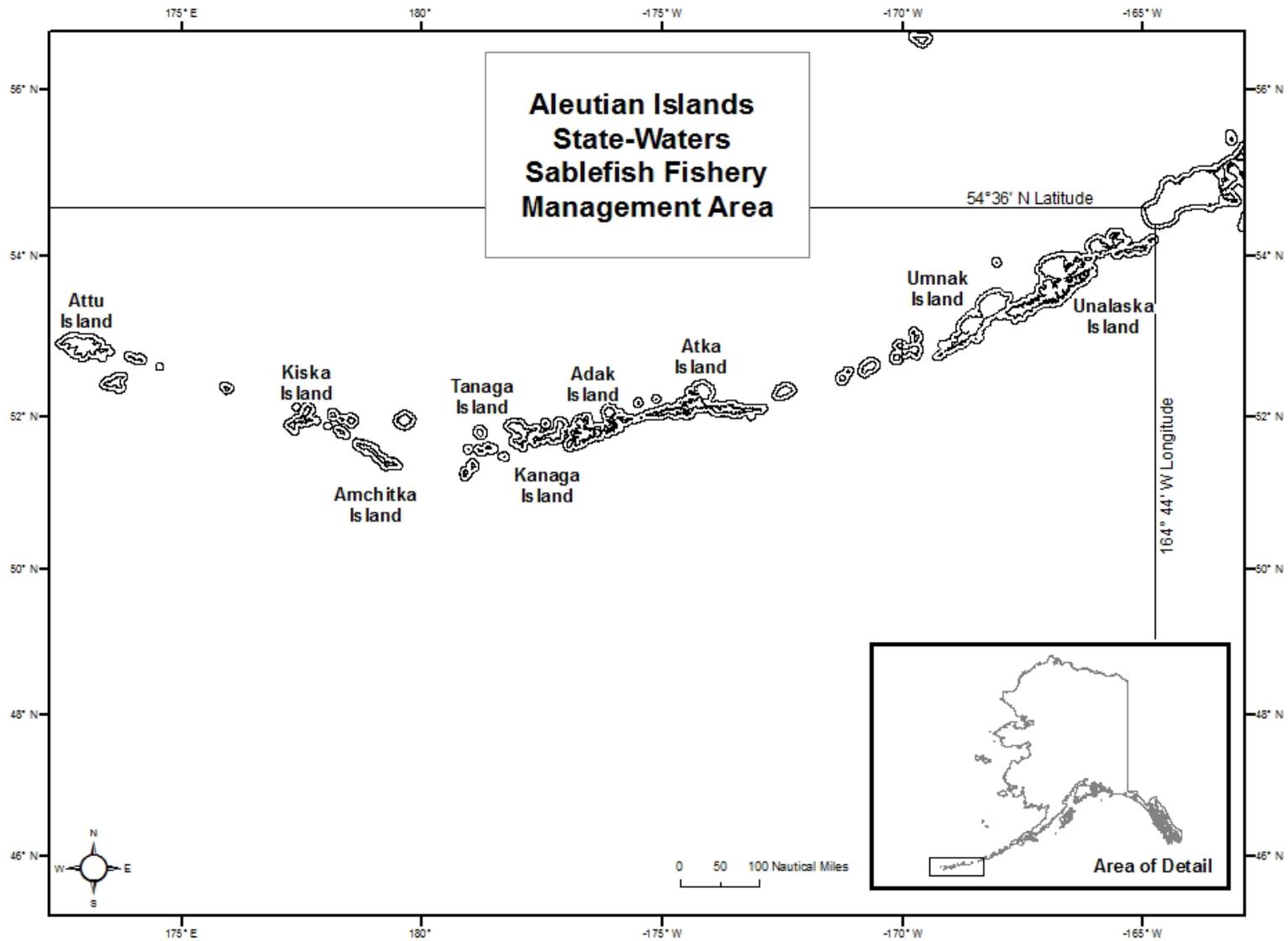


Figure 2.—Aleutian Islands state-waters sablefish fishery management area.

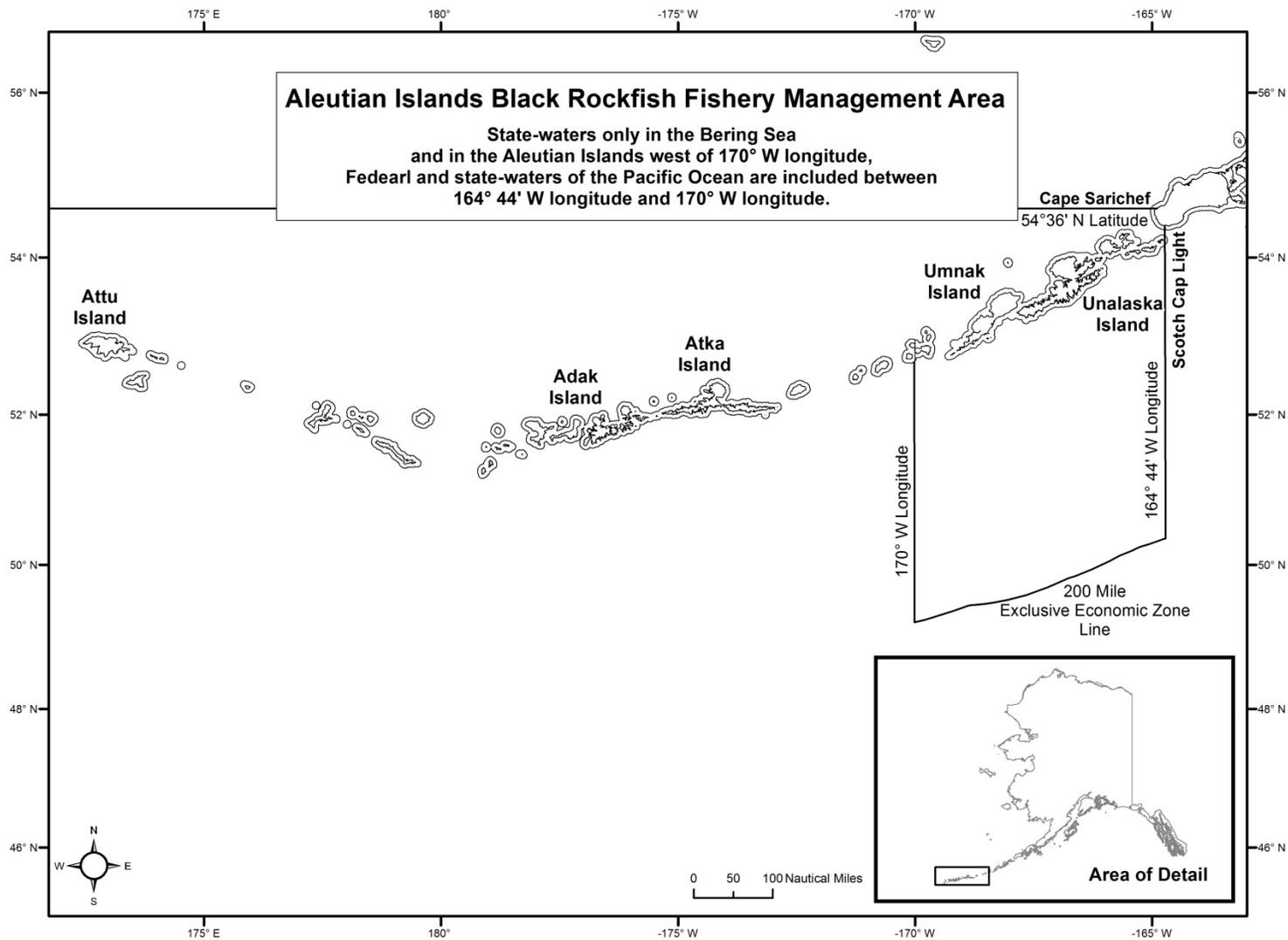


Figure 3.—Aleutian Islands state-waters black rockfish management area.

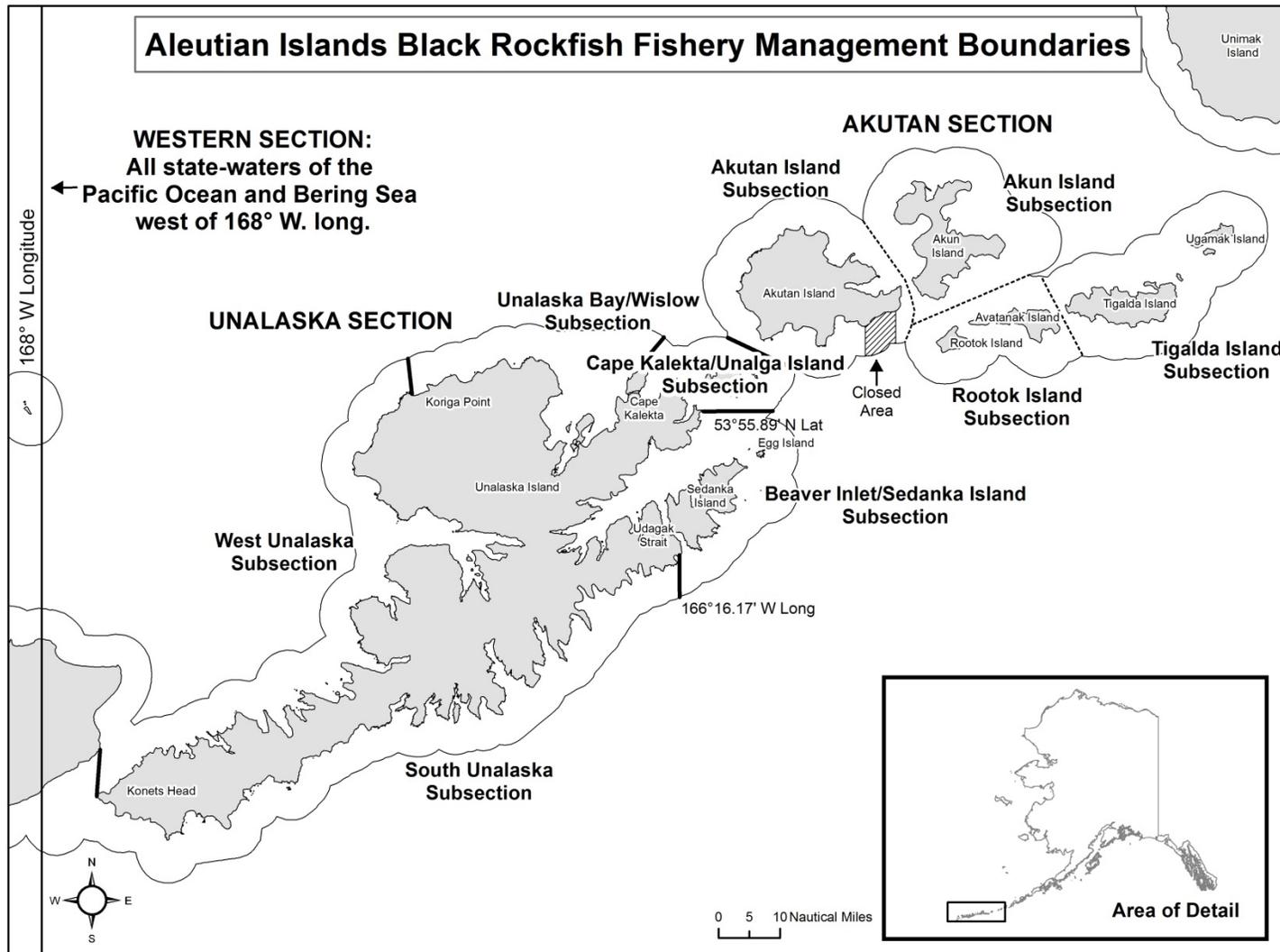


Figure 4.—Management boundaries for the Aleutian Islands state-waters black rockfish fishery.

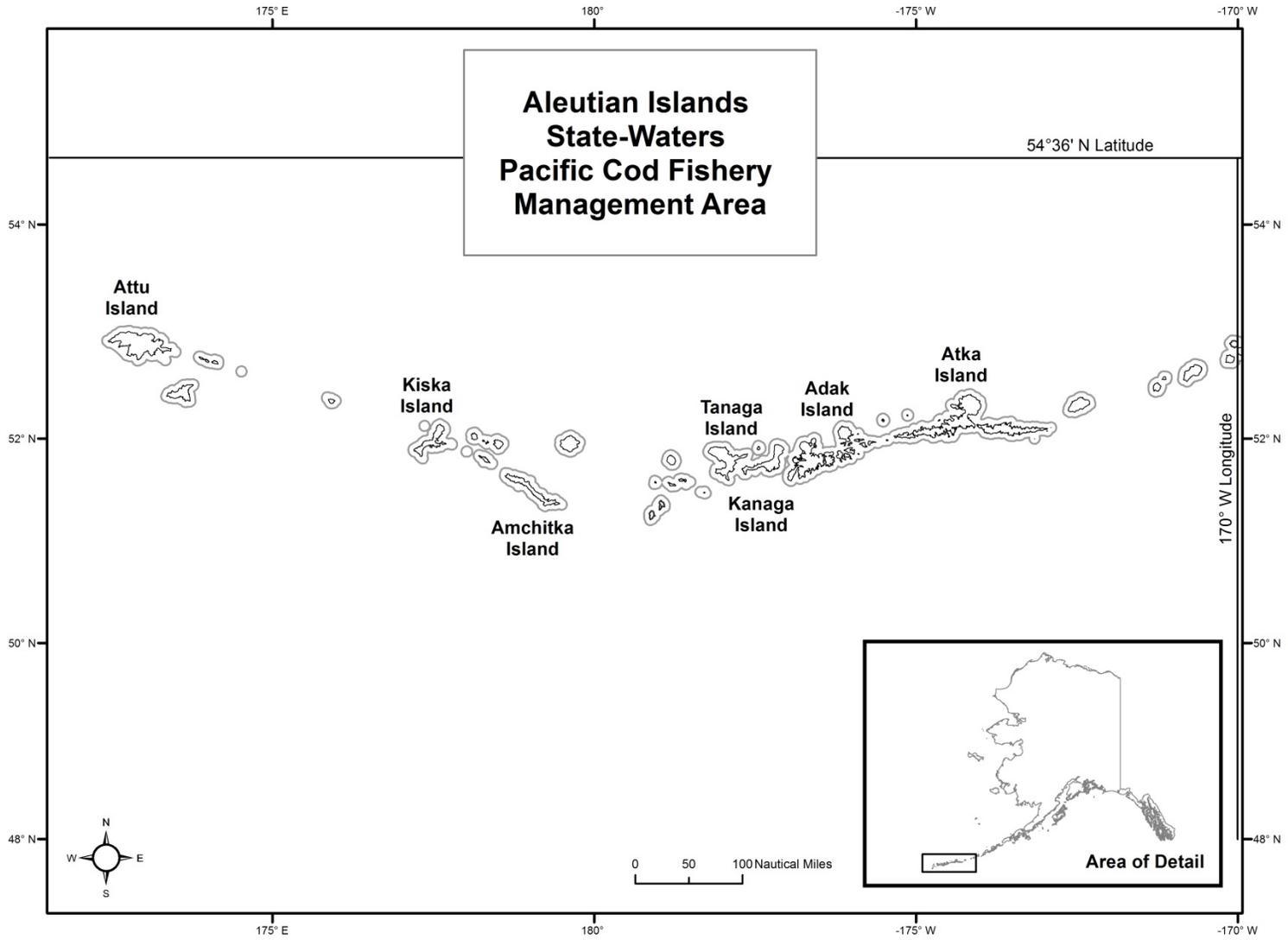


Figure 5.—Aleutian Islands Subdistrict state-waters Pacific cod fishery management area.

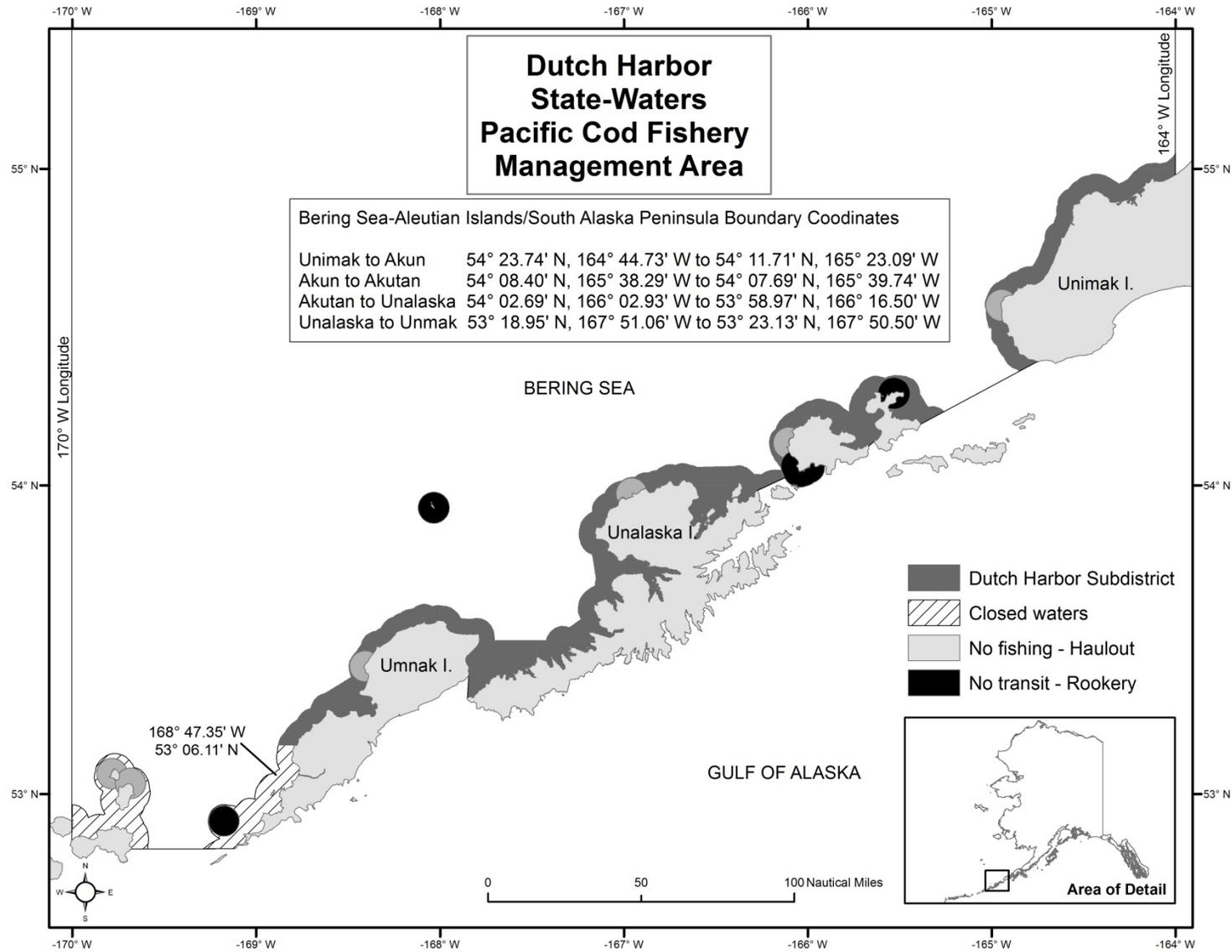


Figure 6.—Dutch Harbor Subdistrict state-waters Pacific cod fishery management area.

**APPENDIX A. ALEUTIAN ISLANDS SUBDISTRICT STATE-
WATERS PACIFIC COD FISHERY MANAGEMENT PLAN
REGULATIONS BY SEASON**

Appendix A1.–Aleutian Islands District state-waters Pacific cod fishery management plan regulatory modifications by season.

2006

- GHL established at 3% of federal BSAI ABC
 - No more than 70% of GHL may be available before or after June 10
 - Season opened on or after March 15, at the conclusion of the parallel catcher-vessel trawl A season
 - Gear types: non-pelagic trawl, longline, jig, pot, and hand troll
 - Adak vessel length and gear restriction zones in place (trawl and longline gear could not be used from May 1 – Sept 15, unless operating in the 60 ft and under vessel size limitation zones near Adak Island)
 - Daily vessel harvest limit of 150,000 lb, vessel trip limit of 300,000 lb
 - Mandatory Pacific cod retention, with proceeds from overage forfeited to state
 - Daily vessel reporting
 - Management plan sunset provision for Dec 31, 2007
 - Closed areas: NMFS Steller sea lion areas, Aleutian Islands Habitat Conservation Area, coral gardens
 - Provision for allowing unharvested state-waters Pacific cod to be utilized by NMFS
-

2007

- Vessel length limits: pot 125 ft or less, trawl 100 ft or less, longline and jig 58 ft or less
 - Adak vessel length and gear restriction zones repealed from state-waters fishery management plan
 - Vessel trip limit reduced to 150,000 pounds
 - Prior to June 10 defined as A season and after June 10 as B season
 - Season opening and closure dates: state-waters A season opens 4 days after closure of federal catcher-vessel trawl A season, closure of state-waters season during federal BSAI catcher-vessel trawl B season on April 1, and closure of state-waters season during federal BSAI catcher-vessel pot season for vessels 60 feet or greater OAL on September 1
 - Regulation allowing unharvested state-waters Pacific cod to be utilized by NMFS repealed
 - Management plan sunset provision repealed
-

2008

- No regulatory changes for the 2008 season
-

2009

- Vessel length for B season limited to less than 60 feet OAL for all gear types
-

2010

- Pot vessels less than 125 feet allowed to participate in the B season after August 1
-

2011

- No regulatory changes for the 2011 season
-

2012

- State-waters between 175° W long and 178° W long open January 1 and remain open until GHL is reached or June 9, whichever occurs first
 - When only waters between 175° W long and 178° W long are open, vessels using non-pelagic trawl, pot, and jig gear are limited to 60 feet or less OAL and vessels using longline gear are limited to 58 feet or less OAL
 - All state waters of the Aleutian Islands District west of 170° W long open 4 days after the parallel BSAI Pacific cod catcher-vessel trawl fishery closes, or on March 15, whichever occurs first
 - Steller sea lion closure for federal/parallel fishery modified
 - With the exception of within 3 nautical miles of Kanaga Island/Ship Rock (51°46.70' N, 177°20.72' W), state-waters season continued to use those in place prior to 2011
-

2013

- No regulatory changes for the 2013 season
-

-continued-

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2014

- Clarification of rollover provisions between A and B season
 - Clarification of bycatch provisions
 - Clarification to registration requirements during concurrent state and federal Pacific cod seasons
 - Update of Steller sea lion and essential fish habitat closed area references
-

2015

- No regulatory changes for the 2015 season
-

2016

- Fishery changed to just one season
 - GHL established at 27% of federal AI ABC
-

2017

- No regulatory changes for the 2016 season
-

Note: Regulatory changes are shown according to the first season they went into effect.

Appendix A2.–Dutch Harbor District state-waters Pacific cod fishery management plan regulatory modifications by season.

2014

- GHL established at 3% of federal BSAI ABC
 - Season opens at noon seven days following the closure of the federal BSAI hook-and-line/pot catcher vessel less than 60 feet in overall length sector
 - Gear types: pots; no more than 60 pots may be operated from a vessel
 - Vessel may not be longer than 58 feet in overall length
 - Mandatory Pacific cod retention, with proceeds from overage forfeited to state
 - Daily vessel reporting
 - Closed areas: NMFS Steller sea lion areas, Aleutian Islands Habitat Conservation Area, coral gardens
-

2015

- No regulatory changes for the 2015 season
-

2016

- GHL increased to 6.4% of federal BS ABC
 - Expanded western fishing boundary to 170°W long
-

2017

- No regulatory changes for the 2017 season
-

Note: Regulatory changes are shown according to the first season they went into effect.