

Fishery Management Report No. 23-10

**Annual Management Report for Groundfish Fisheries
in the Bering Sea-Aleutian Islands Management Area,
2022**

by

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and

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September 2023

Alaska Department of Fish and Game

Divisions of 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 (multiple)	R
milliliter	mL	west	W	correlation coefficient (simple)	r
millimeter	mm	copyright	©	covariance	cov
		corporate suffixes:		degree (angular)	$^\circ$
Weights and measures (English)		Company	Co.	degrees of freedom	df
cubic feet per second	ft ³ /s	Corporation	Corp.	expected value	E
foot	ft	Incorporated	Inc.	greater than	>
gallon	gal	Limited	Ltd.	greater than or equal to	\geq
inch	in	District of Columbia	D.C.	harvest per unit effort	HPUE
mile	mi	et alii (and others)	et al.	less than	<
nautical mile	nmi	et cetera (and so forth)	etc.	less than or equal to	\leq
ounce	oz	exempli gratia (for example)	e.g.	logarithm (natural)	ln
pound	lb	Federal Information Code	FIC	logarithm (base 10)	log
quart	qt	id est (that is)	i.e.	logarithm (specify base)	log ₂ , etc.
yard	yd	latitude or longitude	lat or long	minute (angular)	'
		monetary symbols (U.S.)	\$, ¢	not significant	NS
Time and temperature		months (tables and figures): first three letters	Jan, ..., Dec	null hypothesis	H_0
day	d	registered trademark	®	percent	%
degrees Celsius	°C	trademark	™	probability	P
degrees Fahrenheit	°F	United States (adjective)	U.S.	probability of a type I error (rejection of the null hypothesis when true)	α
degrees kelvin	K	United States of America (noun)	USA	probability of a type II error (acceptance of the null hypothesis when false)	β
hour	h	U.S.C.	United States Code	second (angular)	"
minute	min	U.S. state	use two-letter abbreviations (e.g., AK, WA)	standard deviation	SD
second	s			standard error	SE
Physics and chemistry				variance	
all atomic symbols				population sample	Var
alternating current	AC			sample	var
ampere	A				
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. 23-10

**ANNUAL MANAGEMENT REPORT FOR GROUND FISH FISHERIES IN
THE BERING SEA-ALEUTIAN ISLANDS MANAGEMENT AREA, 2022**

by

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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*, dark rockfish *S. ciliatus*, Pacific cod *Gadus macrocephalus*, and key parallel fisheries. 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.

Keywords: 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) and the Magnuson–Stevens Fishery Conservation and Management Act (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 in state waters, 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. Harvest in a parallel fishery is accounted for under federal catch limits. ADF&G and NMFS coordinate state and federal closed waters for Steller sea lion and coral garden protection areas.

The Bering Sea-Aleutian Islands Area (BSAI) includes all state 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 and Aleutian Islands Districts (Figure 1). Each state-waters groundfish fishery has unique fishery management boundaries described in this report. ADF&G actively manages 4 state-waters groundfish fisheries in the BSAI: 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 fishery harvests in this report are based on the ADF&G fish ticket database as of January 2023. Fishery average prices in this report are based on reported exvessel prices. For more detailed information on fishery value and prices, refer to the ADF&G Commercial Operator's Annual Report (COAR 2022).

SECTION I: ALEUTIAN ISLANDS GROUND FISH FISHERIES

ALEUTIAN ISLANDS SABLEFISH

The Aleutian Islands state-waters sablefish fishery includes state waters of the Aleutian Islands District of the BSAI and the Western District of the South Alaska Peninsula Area 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 harvest is accounted for in a federal fishery.

ADF&G annually reviews the NMFS sablefish stock assessment and sets the Aleutian Islands state-waters sablefish GHL at 5% of the combined federal BSAI allowable biological catch. Season dates for the state-waters fishery coincide with the federal IFQ season to allow for sablefish harvest inside state waters during the IFQ fishery (Table 1). Longline, pot, mechanical jigging machine (jig), and hand troll are the only legal gear types. Since 1995, vessels using longline gear account for the majority of the harvest until 2020 when boats mostly fished with pot gear (Table 2). Federal regulation changes allowing for retention of halibut in pot gear in the BSAI, whale interactions, and slinky pots becoming more prevalent could all be possible factors in pot gear becoming the main gear type in the state-waters fishery. Although trawl is not a legal gear type, bycatch in trawl fisheries has accounted for a portion of the removals since 1995.

The GHL was achieved annually from 1996 through 2002 and in 2022, but not fully harvested from 2003 to 2021. Total fishery value peaked in 2022 at \$2.18 million (Table 1). For more history on regulation changes and fishery effort for the Aleutian Islands sablefish fishery, refer to the 2017 BSAI annual management report (Beder and Shaishnikoff 2018).

2022 FISHERY

The 2022 Aleutian Islands state-waters sablefish GHL was 1,292,000 pounds, an increase of 44% from the 2021 GHL, and the largest in the history of the fishery (Table 1). The season opened on March 6 concurrent with the IFQ season and closed August 11. This is the first season since the early 2000s that the fishery closed before the IFQ season which closed December 7. Fishery harvest was 1,241,425 pounds taken by 26 vessels (Table 1). Longline vessels harvested 25,989 pounds and pot vessels harvested 1,206,711 pounds. Incidental catch by trawl vessels

accounted for 8,726 pounds during the 2022 fishery (Table 2). Participants in federal IFQ/CDQ fisheries accounted for only 11% of the harvest compared to harvesting 93% in 2021. Average exvessel price was \$2.65 per pound for an estimated exvessel value of \$2,175,973 (Table 1).

ALEUTIAN ISLANDS BLACK ROCKFISH

The Aleutian Islands black rockfish fishery includes state waters of the Aleutian Islands District of the BSAI and the Western District of the South Alaska Peninsula Area 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

In 1998, the NPFMC passed Amendment 46 to the Gulf of Alaska (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 management. The Aleutian Islands black rockfish fishery occurs in 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 also managed by ADF&G as a bycatch fishery. Starting in 2000, the Akutan and Unalaska Sections were divided into subsections, each with a separate GHL to distribute fishing effort (Figure 4, Table 3).

The Aleutian Islands black rockfish fishery opens January 1 and closes December 31, unless closed earlier by emergency order. Harvesters may use mechanical jig or hand troll gear with a limit of 5 mechanical jigging machines per vessel. Harvesters are required to register with ADF&G prior to fishing and must complete a logbook for directed black rockfish fishing activity.

Very little directed effort for black rockfish has occurred in recent years, with most of the harvest coming from bycatch incidental to other fisheries each year (Table 4). For more history on regulation changes and fishing effort for the Aleutian Islands black rockfish fishery, refer to the 2017 BSAI groundfish annual management report (Beder and Shaishnikoff 2018).

2022 FISHERY

The 2022 Aleutian Islands black rockfish GHL 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 3).

The 2022 Aleutian Islands black rockfish fishery opened on January 1 and closed on December 31. No directed harvest occurred. Harvesters may retain up to 20% black rockfish as bycatch from other directed state-waters and federal groundfish fisheries. Three vessels incidentally harvested black rockfish in 2022 for a total of 126 pounds (Table 4).

ALEUTIAN ISLANDS DARK ROCKFISH

In 2009, Amendment 73 was added to the BSAI groundfish FMP and Amendment 77 was added to the GOA groundfish FMP (NOAA 2008), which 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 incidental harvest in 2022 totaled 33,877 pounds, primarily from trawl groundfish bycatch in BSAI federal waters.

ALEUTIAN ISLANDS SUBDISTRICT STATE-WATERS PACIFIC COD

The Aleutian Islands Subdistrict (AIS) state-waters Pacific cod fishery includes state waters of the Aleutian Islands District west of 170°W long, with an inner Adak Section that includes state waters between 175°W long and 178°W long (Figure 5).

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 AIS west of 170°W long (Figure 5, Appendix A). 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. Regulatory changes to the AIS state-waters Pacific cod fishery from 2006 through 2022 are provided in Appendix A.

In 2019, the AIS state-waters Pacific cod GHL was established at 31% of the federal Aleutian Islands subarea allowable biological catch (ABC), with a step-up provision increasing the GHL by 4% each subsequent year the GHL is achieved, up to a maximum of 39%. Additionally, if the GHL is not achieved for 2 consecutive years, the GHL will decrease by 4% each following year down to a minimum of 15% of the federal Aleutian Islands ABC. The AIS state-waters Pacific cod 2022 GHL was due to be set at 39% of the federal Aleutian Islands ABC; however, since 2016, a maximum regulatory GHL cap of 15,000,000 pounds has been in place for this fishery; therefore, the 2022 GHL was set at 33% of the ABC. From 2006 to 2022, AIS state-waters Pacific cod GHLs ranged from 10.5 million pounds to 20.8 million pounds (Table 5).

Since its inception, the AIS Pacific cod fishery has been generally underutilized, with the GHL being achieved during 6 of the past 14 years (2007, 2008, 2018, 2019, 2020, and 2021). During years when the GHL was not achieved, approximately 50% of the GHL remained unharvested except in 2022 when less than 25% of the GHL remained unharvested. Years when the GHL was fully harvested generally correspond to periods when a shore-based processor was operational in Adak. Vessels using longline, trawl, pot, and jig gear have historically been eligible to participate in the fishery and the GHL is not allocated by gear type. Participation has fluctuated over time with only trawl or pot gear vessels participating 4 of the last 5 years (Table 6). The number of vessels, along with vessel size for each gear type, has varied since 2006 with a general shift toward under 60-foot overall length (OAL) pot gear vessels in recent years.

Prior to 2016, the AIS state-waters Pacific cod GHL was divided across 2 seasons: “A” season (before June 10) and “B” season (after June 10). Since 2016, the AIS state-waters Pacific cod fishery has been managed as one season. Prior to 2020, the AIS state-waters Pacific cod fishery was a nonexclusive registration area for all gear types. In December 2019, the BOF approved regulations for the AIS to be an exclusive registration area for all gear types. This regulation became effective during the 2020 season (Appendix A).

2022 FISHERY

The AIS state-waters Pacific cod 2022 GHL was 15,000,000 pounds (Table 5). The state-waters fishery opened on January 1 in the Adak Section to vessels 60 feet or less OAL using trawl, pot, and jig gear, and vessels 58 feet or less OAL using longline gear (Tables 6 and 7). All state waters west of 170°W long opened on January 27 at 12:00 PM to pot vessels 100 feet or less OAL, trawl and jig vessels 60 feet or less OAL, and longline vessels 58 feet or less OAL. All state waters west of 170°W long opened on March 15 at 12:00 PM for trawl vessels 100 feet or less OAL and pot vessels 125 feet or less OAL. The fishery closed on December 31; the GHL was not achieved and total harvest is confidential (Tables 5, 6, and 7). A total of 11 vessels, 6 pot vessels, and 5 trawl vessels participated in the 2022 AIS fishery. Three of the 11 vessels were under 60 feet OAL. Daily CPUE is confidential. Average exvessel price and fishery value is confidential for the 2022 fishery.

SECTION II: BERING SEA GROUND FISH FISHERIES

DUTCH HARBOR SUBDISTRICT STATE-WATERS PACIFIC COD

The Dutch Harbor Subdistrict (DHS) 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 162°30'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).

BACKGROUND

The DHS state-waters Pacific cod fishery for pot gear was established by the BOF in October 2013 and opened for the first time in 2014 under regulations in the *Dutch Harbor Subdistrict Pacific Cod Management Plan* (5 AAC 28.648). The DHS state-waters Pacific cod fishery for jig gear was established by the BOF in October 2018 and opened for the first time in 2019. Regulatory changes to the DHS state-waters Pacific cod fisheries are provided in Appendix B.

The DHS state-waters Pacific cod fishery for pot gear opens 7 days after closure of the BSAI federal/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 pot fishery are limited to a maximum of 58 feet OAL and may operate no more than 60 pots. The DHS state-waters Pacific cod fishery is an exclusive registration area for pot gear.

In 2019, the BOF set the GHF at 8% and included a step-up provision increasing the DHS state-waters Pacific cod GHF by 1% each subsequent year the GHF is achieved to a maximum of 15% of the federal Bering Sea subarea ABC. From 2014 to 2021, DHS state-waters Pacific cod GHFs for pot gear ranged from 17.8 million pounds to 36 million pounds (Table 8). The GHF has been achieved every year. Vessel participation has ranged from 14 to 40 vessels, with the highest participation occurring in 2020 (Table 8).

The DHS state-waters Pacific cod fishery for jig gear opens May 1 with a regulatory GHF of 100,000 pounds (Table 9). Vessels participating in the DHS state-waters Pacific cod jig fishery are limited to a maximum of 58 feet OAL and may operate no more than 5 jigging machines. The DHS state-waters Pacific cod fishery is a nonexclusive registration area for jig gear.

2022 POT GEAR FISHERY

The 2022 DHS state-waters Pacific cod fishery for pot gear opened on February 2 with a GHF of 37,196,000 pounds, or 11% of the federal Bering Sea subarea ABC. The fishery closed on December 31 with a total harvest of 35,891,311 pounds. Twenty-nine vessels participated in the 333-day fishery (Tables 8 and 10). Most of the harvest occurred in the spring with vessels moving on to other fisheries starting the middle of April. Harvest was distributed throughout most of the registration area, with 61% coming from waters around Unimak Island. Fleetwide daily harvest ranged from 0 pounds to approximately 770 thousand pounds, with a daily average harvest of 296 thousand pounds. Daily CPUE ranged from 106 to 254 pounds per pot, with a daily average CPUE of 168 pounds per pot. Fish harvesters were initially paid an average exvessel price of

\$0.47 per pound for an estimated fishery exvessel value of \$16.54 million for the 2022 pot gear fishery (Table 8).

2022 JIG GEAR FISHERY

The 2022 DHS state-waters Pacific cod fishery for jig gear opened on May 1 with a GHL of 100,000 pounds (Table 9). The fishery closed on December 31; harvest is confidential. One vessel participated in the 245-day fishery (Table 9).

GROUND FISH HARVEST FROM PARALLEL SEASONS IN THE BERING SEA-ALEUTIAN ISLANDS AREA

Each year, by emergency order, ADF&G establishes parallel groundfish fisheries that mirror federal fisheries managed by NMFS. ADF&G generally adopts 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 reflect NMFS closure areas, except in state waters between 175°W long and 178°W long during a parallel Pacific cod fishery, in which the Steller sea lion protection measures reflect those in place prior to 2011 (5 AAC 28.087(b)(3)).

Several species are harvested during the BSAI parallel fisheries; however, Pacific cod, walleye pollock *Gadus chalcogrammus*, and Atka mackerel *Pleurogrammus monopterygius* dominated parallel harvest by volume in 2022 (Table 11). During 2022, parallel harvest was 2.6 million pounds for Pacific cod, 1.7 million pounds for walleye pollock, and 1.2 million pounds for Atka mackerel (Tables 11 and 12).

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TABLES AND FIGURES

Table 1.—Aleutian Islands state-waters sablefish fishery guideline harvest level (GHL), harvest, effort, value, and season dates, 1995–2022.

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	246
1996	280,000	401,463	35	67	\$2.54	\$0.64	03/15/96	07/26/96	134
1997	270,000	317,562	37	75	\$3.55	\$0.71	03/15/97	07/20/97	128
1998	270,000	254,578	38	101	\$2.18	\$0.35	03/15/98	11/15/98	246
1999	250,000	279,778	24	38	\$2.69	\$0.47	03/15/99	08/16/99	155
2000	400,000	446,560	28	59	\$3.04	\$0.86	03/15/00	07/15/00	123
2001	425,000	464,241	31	99	\$2.85	\$0.79	05/15/01	08/08/01	86
2002	460,000	477,970	24	59	\$2.95	\$0.88	05/15/02	07/16/02	63
2003	630,000	473,426	40	104	\$3.58	\$0.92	05/15/03	11/15/03	185
2004	660,000	323,969	28	76	\$2.69	\$0.47	05/15/04	11/15/04	185
2005	550,000	203,498	27	72	\$2.79	\$0.27	05/15/05	11/15/05	185
2006	640,000	177,935	16	54	\$3.55	\$0.42	05/15/06	11/15/06	185
2007	638,000	269,282	25	59	\$3.49	\$0.62	05/15/07	11/15/07	185
2008	584,000	156,293	20	48	\$3.90	\$0.41	05/15/08	11/15/08	185
2009	542,000	279,510	24	65	\$4.90	\$0.85	05/15/09	11/15/09	185
2010	535,000	209,063	25	60	\$5.89	\$0.79	05/15/10	11/15/10	185
2011	523,000	200,635	26	73	\$7.65	\$0.98	05/15/11	11/15/11	185
2012	472,000	222,775	26	86	\$5.94	\$0.84	05/15/12	11/15/12	185
2013	442,000	222,379	16	47	\$4.42	\$0.62	05/15/13	11/07/13	177
2014	347,000	161,022	13	37	\$5.33	\$0.54	03/08/14	11/07/14	245
2015	346,000	153,823	15	44	\$5.81	\$0.56	03/14/15	11/07/15	239
2016	298,503	78,710	15	38	\$4.77	\$0.25	03/19/16	11/07/16	234
2017	331,682	119,913	23	58	\$4.44	\$0.39	03/11/17	11/07/17	242
2018	381,000	34,897	25	47	\$3.28	\$0.07	03/24/18	11/07/18	229
2019	385,400	110,272	23	55	\$3.00	\$0.21	03/15/19	11/14/19	245
2020	429,800	397,624	20	56	\$1.42	\$0.39	03/14/20	11/15/20	247
2021	894,200	119,979	24	54	\$2.12	\$0.20	03/06/21	12/07/21	277
2022	1,292,000	1,241,425	26	78	\$2.65	\$2.18	03/06/22	08/11/22	159

Note: GHL = guideline harvest level; fishery value imprecise 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 and reported exvessel value, 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, 1995–2022.

Year	Longline	Pot	Trawl ^a	Total
1995	227,917	0	41,303	269,220
1996	401,429	8	26	401,463
1997	312,506	5,036	20	317,562
1998	252,398	0	2,180	254,578
1999	272,240	1,270	6,268	279,778
2000	446,112	448	0	446,560
2001	439,612	24,419	210	464,241
2002	456,632	20,212	1,126	477,970
2003	428,315	44,842	270	473,426
2004	273,807	50,033	129	323,969
2005	182,348	21,092	58	203,498
2006	128,764	47,964	1,207	177,935
2007	189,708	75,323	4,251	269,282
2008	123,705	32,589	0	156,293
2009	271,776	CF	CF	279,510
2010	202,075	CF	CF	209,063
2011	164,604	36,031	0	200,635
2012	215,069	CF	CF	222,775
2013	208,981	CF	CF	222,379
2014	159,514	CF	CF	161,022
2015	153,822	0	CF	153,823
2016	53,524	CF	CF	78,710
2017	48,185	CF	CF	119,912
2018	29,784	CF	CF	34,897
2019	83,129	CF	CF	107,556
2020	49,831	342,615	5,178	397,624
2021	37,996	73,887	8,095	119,979
2022	25,989	1,206,711	8,726	1,241,425

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

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

Table 3.—Aleutian Islands state-waters black rockfish fishery guideline harvest level (GHL), by section and subsection for the 2022 fishery.

Section	Subsection	GHL (pounds) ^a
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

^a In whole fish pounds.

Table 4.—Aleutian Islands state-waters black rockfish fishery guideline harvest level (GHL), harvest, effort, and value, 1994–2022.

Year	GHL ^a	Harvest ^a	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	5	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	2	CF	CF
2007	90,000	CF	4	7	CF	CF
2008	90,000	CF	4	5	CF	CF
2009	90,000	CF	2	2	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	2	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
2018	90,000	CF	2	3	CF	CF
2019	90,000	823	6	6	\$0	\$0
2020	90,000	111	11	19	\$0	\$0
2021	90,000	CF	4	5	CF	CF
2022	90,000	126	3	4	\$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, these data are historical and cannot be replicated.

Table 5.—Aleutian Islands Subdistrict state-waters Pacific cod fishery harvest, effort, and value, 2006–2022.

Year	Season	Initial GHl ^a	Harvest ^a	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	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	150	CF	CF
	B season	6,091,310 ^g	CF	1	1	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	8	CF	CF
	B season	5,408,821 ^g	0	0	0	\$0.00	\$0.0
	TOTAL	18,029,404	CF	2	8	CF	CF

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Year	Season	Initial GHL ^a	Harvest ^a	Vessels	Landings	Average price per pound ^b	Fishery value ^c
2016	^h	10,476,259	CF	6	39	CF	CF
2017	^h	12,797,703	CF	3	84	CF	CF
2018	^h	12,798,000	CF	13	132	CF	CF
2019	^h	14,078,500	13,664,555	18	155	\$0.38	\$5.08
2020	^h	15,000,000	14,907,703	15	187	\$0.35	\$5.12
2021	^h	15,000,000	14,777,163	13	170	\$0.38	\$5.44
2022	^h	15,000,000	CF	11	152	CF	CF

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

^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 In 2016, regulation changed to only one season for Aleutian Island Subdistrict state-waters Pacific cod.

Table 6.—Aleutian Islands Subdistrict state-waters Pacific cod fishery harvest by gear type, 2006–2022.

Year	Season	Longline ^a	Trawl ^a	Pot ^a	Jig ^a	Total ^a
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	b	0	CF	0	0	CF
2017	b	0	0	CF	0	CF
2018	b	0	CF	CF	0	CF
2019	b	0	CF	CF	0	13,664,555
2020	b	CF	CF	11,650,833	0	14,907,703
2021	b	0	CF	CF	0	14,777,163
2022	b	0	CF	CF	0	CF

Note: CF = confidential.

^a In whole fish pounds.

^b In 2016, regulation changed to only one season for Aleutian Island Subdistrict state-waters Pacific cod.

Table 7.—Aleutian Islands Subdistrict state-waters Pacific cod season dates and duration, 2006–2022.

Year	Season	Location	Season dates		Season duration ^a
			Opened	Closed	
2006	A season	West of 170°W long	03/15/2006	03/24/2006	10
	B season	West of 170°W long	06/10/2006	09/01/2006	84
2007	A season	West of 170°W long	03/16/2007	03/23/2007	8
	B season	West of 170°W long	06/10/2007	09/01/2007	84
		West of 170°W long	10/01/2007	12/03/2007	64
2008	A season	West of 170°W long	03/10/2008	03/18/2008	9
	B season	West of 170°W long	06/10/2008	07/09/2008	30
2009	A season	West of 170°W long	03/25/2009	04/01/2009	8
		West of 170°W long	04/07/2009	06/09/2009	64
	B season	West of 170°W long	06/10/2009	09/01/2009	84
2010	A season	West of 170°W long	03/16/2010	06/04/2010	81
	B season	West of 170°W long	06/10/2010	09/01/2010	84
		West of 170°W long	11/15/2010	12/31/2010	47
2011	A season	West of 170°W long	03/30/2011	04/01/2011	3
		West of 170°W long	04/05/2011	06/09/2011	66
	B season	West of 170°W long	06/10/2011	09/01/2011	84
		West of 170°W long	10/25/2011	12/31/2011	68
2012	A season	175° to 178°W long	01/01/2012	06/09/2012	161
		West of 170°W long	03/04/2012	04/01/2012	29
		West of 170°W long	04/15/2012	06/09/2012	56
	B season	West of 170°W long	06/10/2012	09/01/2012	84
2013	A season	175° to 178°W long	01/01/2013	06/09/2013	160
		West of 170°W long	03/15/2013	04/01/2013	18
	B season	West of 170°W long	06/10/2013	09/01/2013	84
2014	A season	175° to 178°W long	01/01/2014	06/09/2014	160
		West of 170°W long	03/15/2014	06/09/2014	87
	B season	West of 170°W long	06/10/2014	12/31/2014	205
2015	A season	175° to 178°W long	01/01/2015	06/09/2015	160
		West of 170°W long	03/03/2015	06/09/2015	99
	B season	West of 170°W long	06/10/2015	12/31/2015	205

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Year	Season	Location	Season dates		Season duration ^a
			Opened	Closed	
2016	b	175° to 178°W long	01/01/2016	12/31/2016	366
		West of 170°W long	03/13/2016	12/31/2016	294
2017	b	175° to 178°W long	01/01/2017	12/31/2017	365
		West of 170°W long	02/27/2017	12/31/2017	308
2018	b	175° to 178°W long	01/01/2018	03/23/2018	82
		West of 170°W long	03/08/2018	03/23/2018	16
2019	b	175° to 178°W long	01/01/2019	03/17/2019	76
		West of 170°W long	03/15/2019	03/17/2019	3
2020	b	175° to 178°W long	01/01/2020	03/23/2020	83
		West of 170°W long	02/20/2020	02/27/2020	8 ^c
		West of 170°W long	02/28/2020	03/23/2020	25 ^d
		West of 170°W long	03/15/2020	03/23/2020	9 ^e
2021	b	175° to 178°W long	01/01/2021	04/09/2021	99
		West of 170°W long	01/25/2021	04/09/2021	75 ^d
		West of 170°W long	03/15/2021	04/09/2021	26 ^e
2022	b	175° to 178°W long	01/01/2022	12/31/2022	365
		West of 170°W long	01/27/2022	12/31/2022	339 ^d
		West of 170°W long	03/15/2022	12/31/2022	292 ^e

^a In days.

^b In 2016, regulation changed to only one season for Aleutian Island Subdistrict state-waters Pacific cod.

^c Open to longline gear no more than 58 feet, jig gear no more than 60 feet, pot gear no more than 125 feet, and trawl gear no more than 100 feet overall length until February 27 at 11:59 PM Alaska time.

^d Open to longline gear no more than 58 feet, jig gear no more than 60 feet, pot gear no more than 100 feet, and trawl gear no more than 60 feet overall length.

^e Open to longline gear no more than 58 feet, jig gear no more than 60 feet, pot gear no more than 125 feet, and trawl gear no more than 100 feet overall length.

Table 8.—Dutch Harbor Subdistrict state-waters Pacific cod fishery harvest, effort, and value, 2014–2022.

Year	GHL ^a	Harvest ^a	Vessels	Landings	Average price per pound ^b	Fishery value ^c
2014	17,863,874	17,666,510	16	205	\$0.29	\$5.01
2015	18,029,404	17,636,103	14	183	\$0.28	\$4.76
2016	35,979,072	35,519,920	24	421	\$0.26	\$9.85
2017	33,721,562	33,247,414	24	349	\$0.31	\$10.07
2018	28,360,000	29,055,603	32	286	\$0.41	\$11.82
2019	31,922,600	32,345,033	37	431	\$0.45	\$14.18
2020	30,927,000	30,928,649	40	569	\$0.43	\$13.07
2021	27,292,000	27,585,848	29	412	\$0.39	\$10.33
2022	37,196,000	35,891,311	29	568	\$0.47	\$16.54

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.

Table 9.—Dutch Harbor Subdistrict state-waters Pacific cod jig fishery harvest, effort, value, and season dates, 2019–2022.

Year	GHL ^a	Harvest ^a	Vessels	Landings	Average price per pound ^b	Fishery value ^c	Season dates		Season duration ^d
							Opened	Closed	
2019	100,000	CF	1	5	CF	CF	05/01/2019	06/06/2019	37
2020	100,000	CF	1	4	CF	CF	05/01/2020	12/31/2020	245
2021	100,000	CF	1	3	CF	CF	05/01/2021	12/31/2021	245
2022	100,000	CF	1	3	CF	CF	05/01/2022	12/31/2022	245

Note: GHL = guideline harvest level; 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 In days.

Table 10.—Dutch Harbor Subdistrict state-waters Pacific cod pot fishery length and dates, 2014–2022.

Year	Location	Season dates		Season duration ^a
		Opened	Closed	
2014	East of 167°W long, west of 164°W long and south of 55°30'N lat	02/11/2014	09/01/2014	203
2015	East of 167°W long, west of 164°W long and south of 55°30'N lat	02/09/2015	03/31/2015	51
2016	East of 170°W long, south of 55°30'N lat, except waters south of 53°06.11'N lat	02/12/2016	04/22/2016	71
2017	East of 170°W long, south of 55°30'N lat, except waters south of 53°06.11'N lat	02/09/2017	04/08/2017	59
2018	East of 170°W long, south of 55°30'N lat, except waters south of 53°06.11'N lat	01/30/2018	03/01/2018	31
2019	East of 170°W long, west of 162°30'W long, south of 55°30'N lat, except waters south of 53°06.11'N lat	01/19/2019	02/24/2019	37
2020	East of 170°W long, west of 162°30'W long, south of 55°30'N lat, except waters south of 53°06.11'N lat (first opening)	01/26/2020	03/12/2020	47
	East of 170°W long, west of 162°30'W long, south of 55°30'N lat, except waters south of 53°06.11'N lat (second opening ^b)	09/17/2020	09/29/2020	13
2021	East of 170°W long, west of 162°30'W long, south of 55°30'N lat, except waters south of 53°06.11'N lat	02/02/2021	03/25/2021	52
2022	East of 170°W long, west of 162°30'W long, south of 55°30'N lat, except waters south of 53°06.11'N lat	02/02/2022	12/31/2022	333

^a In days.

^b In 2020, about 845,000 pounds of the guideline harvest level (GHL) remained after the initial closure of the season. Interest from vessels in the fall warranted a small reopening after the federal B season closed.

Table 11.—Top 25 groundfish species harvested by weight in pounds, as reported on groundfish fish tickets, in the Bering Sea-Aleutian Islands Area parallel fishery, 2022.

Species	Harvest ^{a,b}	At-sea discards ^a
Pacific cod	2,593,513	22,540
Pollock	1,745,832	1,753
Atka mackerel	1,187,943	172,700
Pacific Ocean perch	969,222	34,806
Rock sole	889,133	64,302
Sablefish (black cod)	229,967	7,834
Octopus, North Pacific	125,175	332
Yellowfin sole	36,368	2,236
Flathead sole	21,450	4,136
Sharpchin and northern rockfish	20,333	25,686
Sculpin, general	18,786	18,981
Squid, majestic	12,597	562
Jellyfish	11,331	45,893
Arrowtooth flounder	9,651	22,101
Other flatfish	7,973	133,102
Other rockfish	5,419	1,720
Shortraker and rougheye rockfish	4,886	5,659
Kamchatka flounder	563	13,289
Skate, other	415	20,528
Shark, salmon	224	180
Salmon, Chinook	54	0
Prowfish	28	1,293
Wolf-eel	18	0
Herring, food	10	0
Salmon, chum	9	0

^a In whole fish pounds.

^b Discards at sea not included.

Table 12.—Bering Sea-Aleutian Islands Area number of vessels and landings, harvest by gear type, and at-sea discards, for Pacific cod, walleye pollock, and Atka mackerel during the parallel fishery, 1995–2022.

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
2018	89	247	792,778	5,508,744	4,143,572	96,388	10,541,482	33,824
2019	104	377	557,730	3,485,349	5,529,318	185,109	9,757,506	32,892
2020	78	258	315,761	3,499,703	2,375,052	17,531	6,208,047	3,127
2021	58	151	201,487	961,155	1,362,330	0	2,524,972	53,907
2022	50	114	427,491	2,039,570	0	126,453	2,593,513	22,540

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Table 12.–Page 2 of 3.

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
2018	51	138	11,754,067	7,535	2,820	0	11,764,422	2,666
2019	54	115	12,564,226	1,189	655	0	12,566,070	3,419
2020	69	323	15,937,523	22,097	3,932	0	15,963,552	25
2021	47	146	11,639,476	6,102	1,958	0	11,647,536	176
2022	44	164	1,737,794	10	8,028	0	1,745,832	1,756

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Table 12.—Page 3 of 3.

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	826,669	0	78	26	826,773	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
2018	20	47	871,702	4050	2384	0	878,136	39,043
2019	18	40	2,442,275	684	379	0	2,443,338	154,250
2020	25	54	487,476	6867	1715	0	496,058	69,735
2021	18	37	971,255	0	58	0	971,313	56,454
2022	19	33	1,187,783	0	160	0	1,187,943	172,700

^a In whole fish pounds.

^b Discards at sea not included.

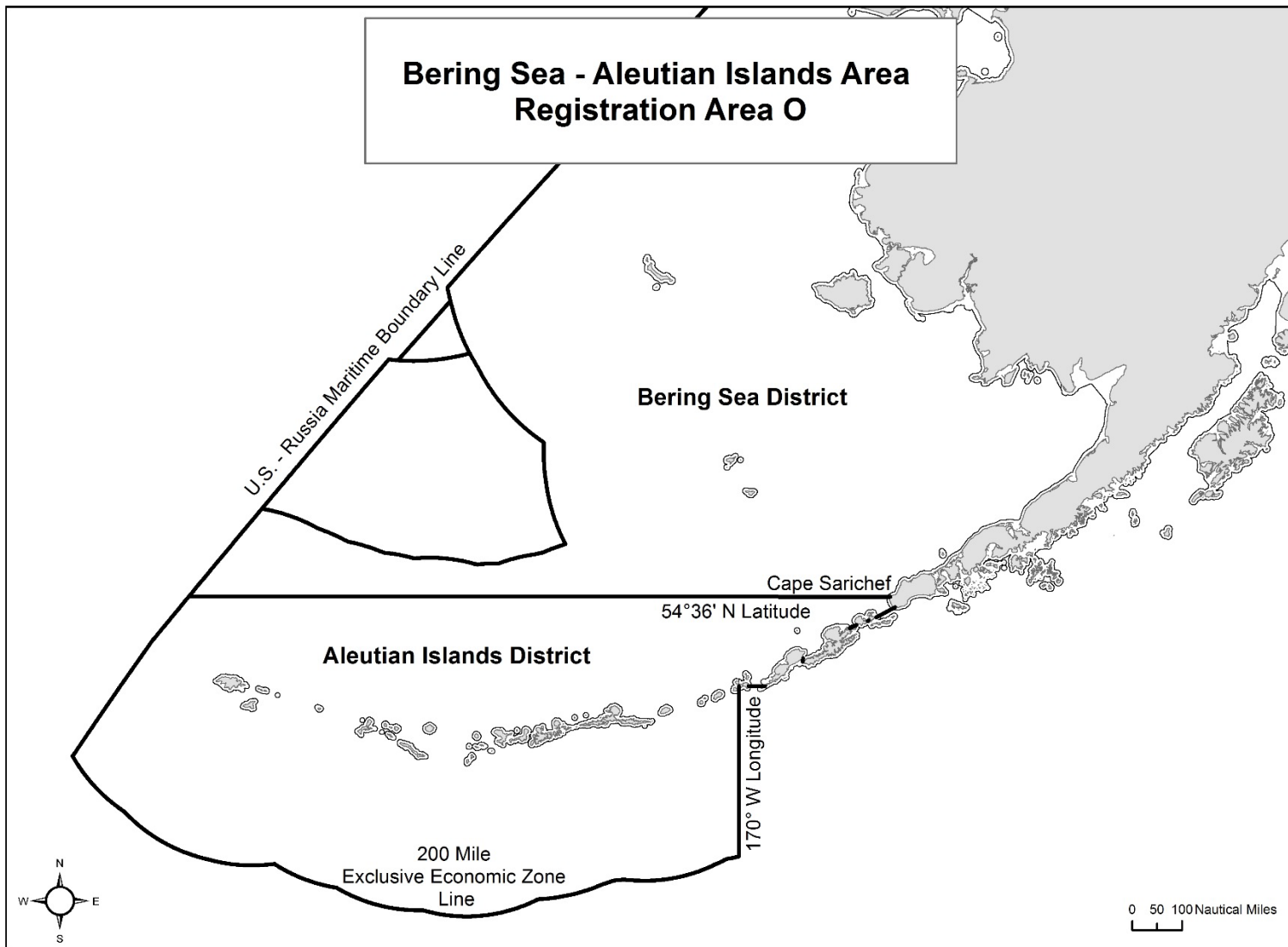


Figure 1.—Bering Sea-Aleutian Islands Area for groundfish fishery management.

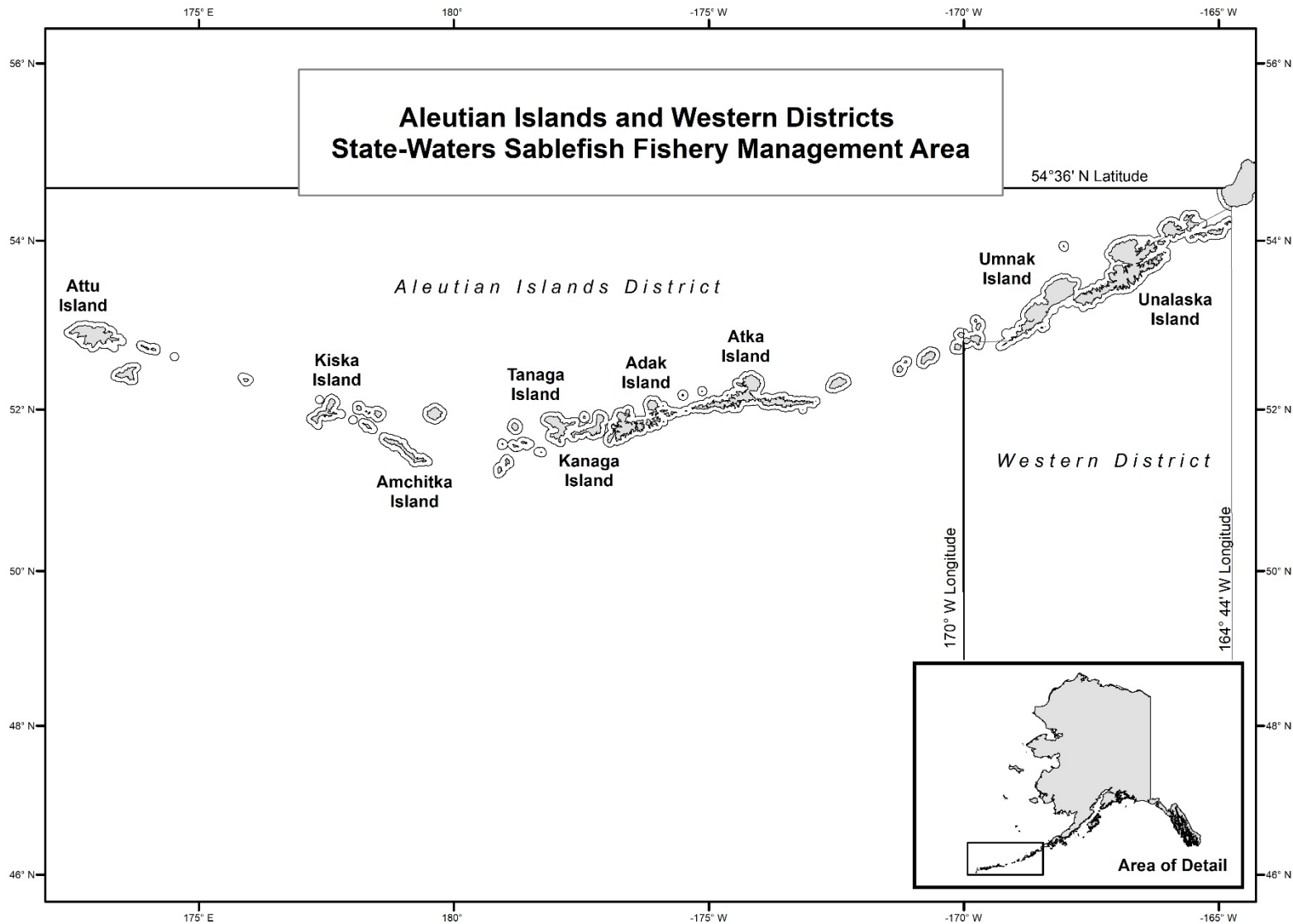


Figure 2.—Aleutian Islands state-waters sablefish fishery management area.

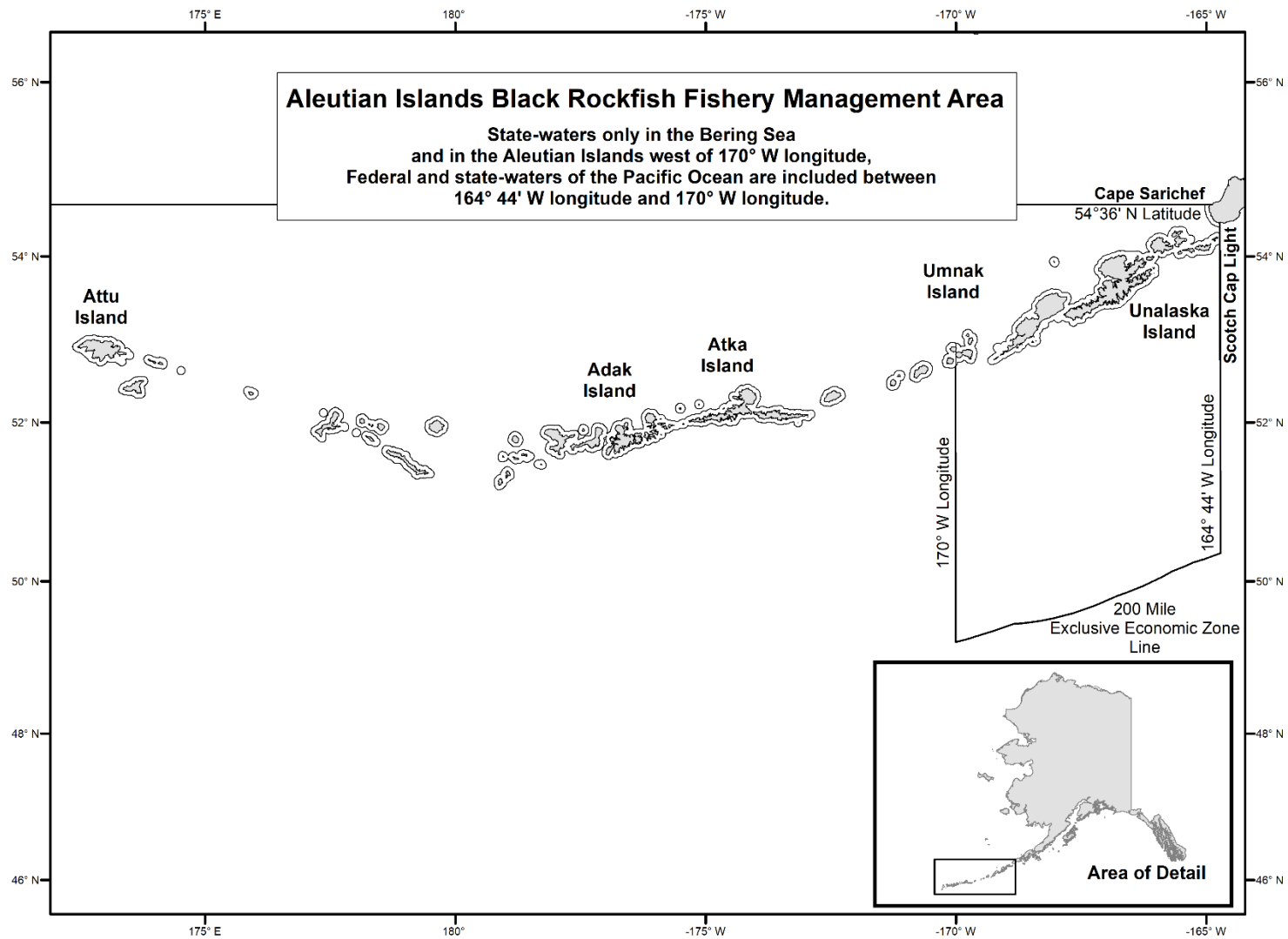


Figure 3.—Aleutian Islands state-waters black rockfish fishery management area.

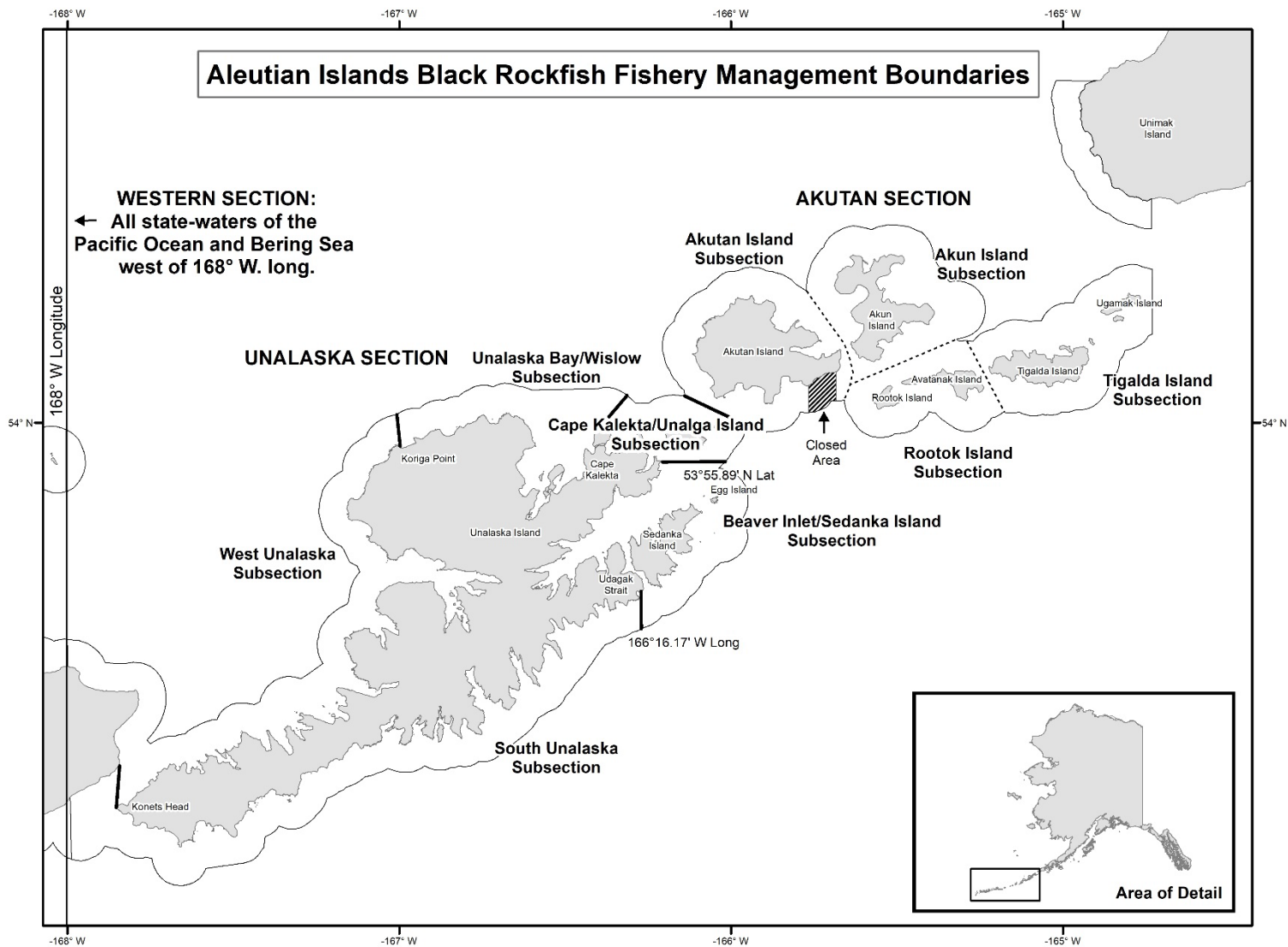


Figure 4.—Management boundaries for the Aleutian Islands state-waters black rockfish fishery.

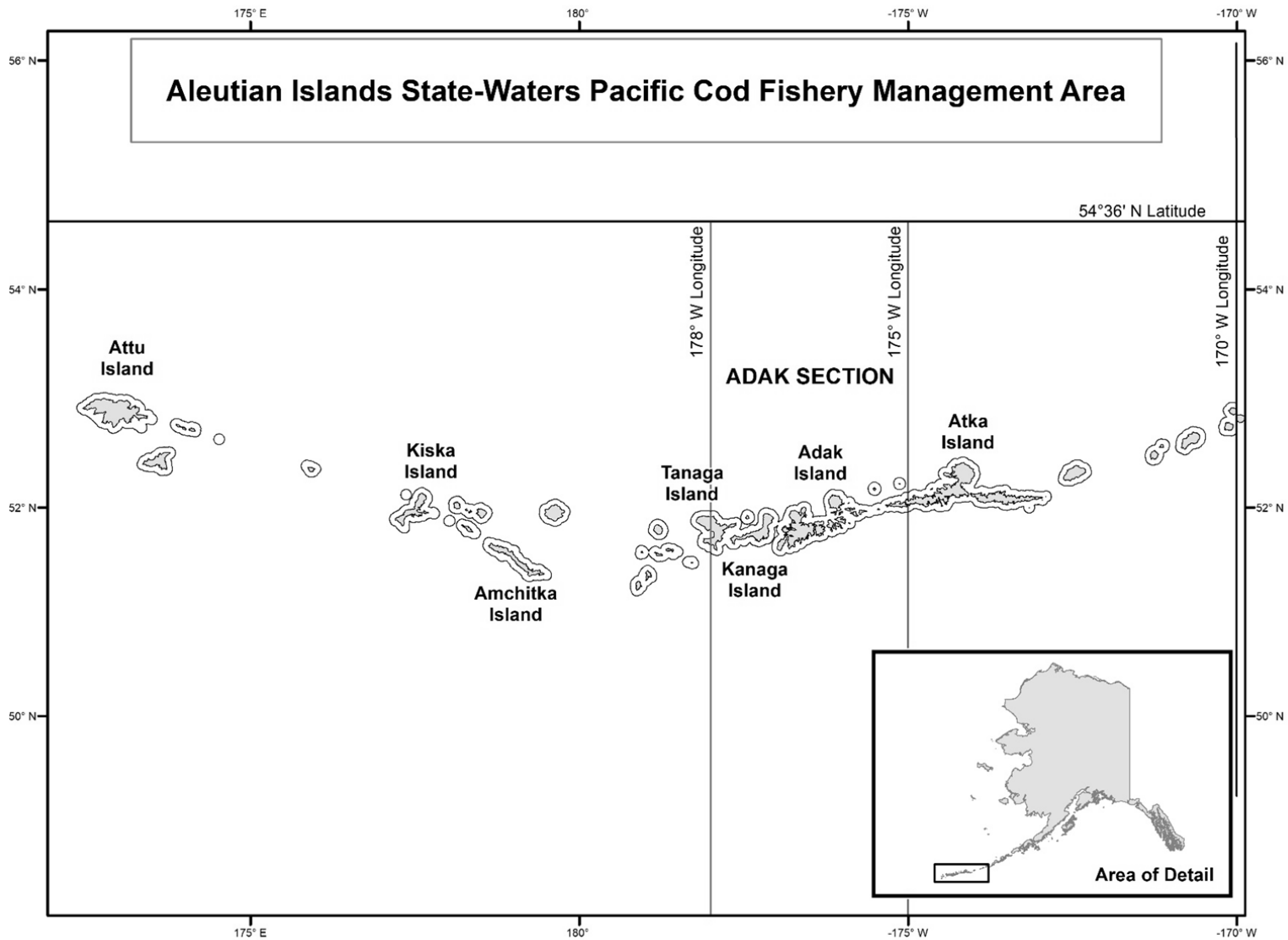


Figure 5.—Aleutian Islands Subdistrict state-waters Pacific cod fishery management area.

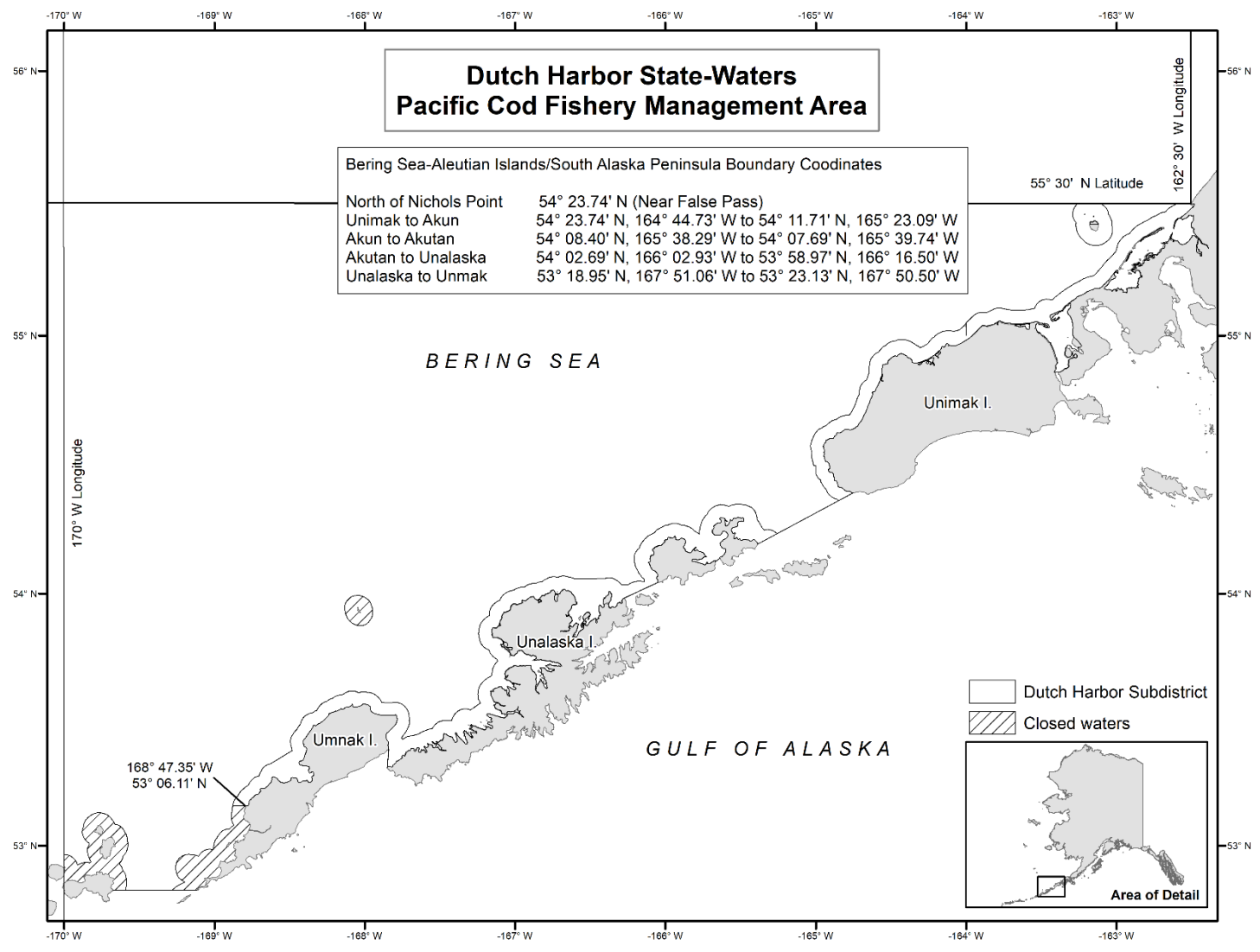


Figure 6.—Dutch Harbor Subdistrict state-waters Pacific cod fishery management area.

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

Appendix A.—Aleutian Islands Subdistrict (AIS) state-waters Pacific cod fishery management plan regulatory modifications by fishery season.

2006

- GHL established at 3% of federal Bering Sea-Aleutian Islands Area (BSAI) allowable biological catch (ABC)
 - No more than 70% of guideline harvest level (GHL) may be available before or after June 10
 - Fishery opened on or after March 15, at the conclusion of the parallel catcher-vessel trawl A season
 - Gear types: nonpelagic 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–Sep 15, unless operating in the 60 ft and under vessel size limitation zones near Adak Island)
 - Daily vessel harvest limit of 150,000 pounds vessel trip limit of 300,000 pounds
 - Mandatory Pacific cod retention, with proceeds from overage forfeited to state
 - Daily vessel reporting
 - Management plan sunset provision for Dec 31, 2007
 - Closed areas: National Marine Fisheries Service (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 overall length (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 fishery
-

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 fishery
-

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 nonpelagic 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 nmi 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 fishery
-

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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 fisheries
 - Update of Steller sea lion and essential fish habitat closed area references
-

2015

- No regulatory changes for the 2015 fishery
-

2016

- Fishery changed to just one season
 - GHL established at 27% of federal Aleutian Islands (AI) ABC; step-up provision of 4% for each year that the GHL is achieved up to a max of 39% of AI ABC; 15 million pound cap on GHL
-

2017

- No regulatory changes for the 2017 fishery
-

2018

- No regulatory changes for the 2018 fishery
-

2019

- GHL established at 31% of federal AI ABC; step-up provision of 4% for each year that the GHL is achieved up to a max of 39% of AI ABC; step down provision of 4% based on inability to achieve GHL for 2 consecutive years down to a minimum of 15% of AI ABC; 15 million pound cap on GHL
-

2020

- The 2019 GHL was achieved, so the 2020 GHL increased to 35% of the federal AI ABC. However, a maximum regulatory GHL is established for this fishery, therefore the 2020 GHL was 15,000,000 pounds.
 - Effective January 18, 2020, the AIS fishery became an exclusive registration area for all gear types.
 - Effective February 28, 2020, state-waters fishery opens:
 - Adak Section January 1 for longline gear no more than 58 feet OAL and no more than 60 feet for nonpelagic trawl, mechanical jig, and pot gear
 - All waters of the AIS open 4 days after the BSAI parallel “A” season for the catcher-vessel greater than or equal to 60 feet OAL pot gear fishery is closed for longline gear no more than 58 feet OAL, nonpelagic trawl and mechanical jigging machines no more than 60 feet OAL, and pot gear no more than 100 feet OAL
 - All waters of the AIS open 12:00 PM March 15 for nonpelagic trawl gear no more than 100 feet OAL and pot gear no more than 125 feet OAL
-

2021

- The 2020 GHL was achieved, so the 2021 GHL increased to 39% of the federal AI ABC. However, a maximum regulatory GHL is established for this fishery, therefore the 2021 GHL was 15,000,000 pounds.
-

2022

- The 2021 GHL was achieved, so the 2022 GHL remained at 39% of the federal AI ABC. However, a maximum regulatory GHL is established for this fishery, therefore the 2022 GHL was 15,000,000 pounds
-

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

**APPENDIX B. DUTCH HARBOR SUBDISTRICT STATE-
WATERS PACIFIC COD FISHERY MANAGEMENT PLAN
REGULATIONS BY FISHERY SEASON**

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

2014

- GHL established at 3% of federal Bering Sea-Aleutian Islands Area (BSAI) allowable biological catch (ABC)
- Fishery opens at 12:00 PM 7 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
- Daily vessel reporting
- Closed areas: National Marine Fisheries Service (NMFS) Steller sea lion areas, Aleutian Islands Habitat Conservation Area, coral gardens

2015

- No regulatory changes for the 2015 fishery

2016

- NMFS separated the BSAI Pacific cod ABC into 2 areas starting in 2014. The state-waters guideline harvest level (GHL) increased from 3% to 6.4% and was only deducted from the federal Bering Sea (BS) ABC
- Expanded western fishing boundary to 170°W long

2017

- No regulatory changes for the 2017 fishery

2018

- No regulatory changes for the 2018 fishery

2019

- Expanded eastern boundary to 162°30'W long
- GHL increased to 8% of the federal BS ABC; step-up provision of 1% each year when the GHL is achieved to a max of 15% of BS ABC
- Established nonexclusive fishery for mechanical jigging gear; GHL of 100,000 pounds; fishery opens May 1; no more than 5 jigging machines may be operated from a vessel

2020

- 2019 GHL for pot gear was achieved, 2020 GHL for pot gear increased to 9% of the federal BS ABC

2021

- 2020 GHL for pot gear was achieved, 2021 GHL for pot gear increased to 10% of the federal BS ABC

2022

- 2021 GHL for pot gear was achieved, 2022 GHL for pot gear increased to 11% of the federal BS ABC

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