

## **Fishery Management Report No. 24-23**

---

# **Annual Management Report for Groundfish Fisheries in the Kodiak, Chignik, and South Alaska Peninsula Areas, 2023**

by

**Cassandra Whiteside**

and

**Annie Looman**

---

November 2024

---

Alaska Department of Fish and Game

Divisions of Sport Fish and Commercial Fisheries



## Symbols and Abbreviations

The following symbols and abbreviations, and others approved for the Système International d'Unités (SI), are used without definition in the following reports by the Divisions of Sport Fish and of Commercial Fisheries: Fishery Manuscripts, Fishery Data Series Reports, Fishery Management Reports, and Special Publications. All others, including deviations from definitions listed below, are noted in the text at first mention, as well as in the titles or footnotes of tables, and in figures or figure captions.

Weights and measures (metric)		General		Mathematics, statistics	
centimeter	cm	Alaska Administrative Code		all standard mathematical signs, symbols and abbreviations	
deciliter	dL		AAC		
gram	g	all commonly accepted abbreviations	e.g., Mr., Mrs., AM, PM, etc.	alternate hypothesis	H <sub>A</sub>
hectare	ha			base of natural logarithm	<i>e</i>
kilogram	kg	all commonly accepted		catch per unit effort	CPUE
kilometer	km	professional titles	e.g., Dr., Ph.D., R.N., etc.	coefficient of variation	CV
liter	L			common test statistics	(F, t, $\chi^2$ , etc.)
meter	m	at	@	confidence interval	CI
milliliter	mL	compass directions:		correlation coefficient (multiple)	R
millimeter	mm	east	E	correlation coefficient (simple)	r
<b>Weights and measures (English)</b>		north	N	covariance	cov
cubic feet per second	ft <sup>3</sup> /s	south	S	degree (angular)	°
foot	ft	west	W	degrees of freedom	df
gallon	gal	copyright	©	expected value	<i>E</i>
inch	in	corporate suffixes:		greater than	>
mile	mi	Company	Co.	greater than or equal to	≥
nautical mile	nmi	Corporation	Corp.	harvest per unit effort	HPUE
ounce	oz	Incorporated	Inc.	less than	<
pound	lb	Limited	Ltd.	less than or equal to	≤
quart	qt	District of Columbia	D.C.	logarithm (natural)	ln
yard	yd	et alii (and others)	et al.	logarithm (base 10)	log
<b>Time and temperature</b>		et cetera (and so forth)	etc.	logarithm (specify base)	log <sub>2</sub> , etc.
day	d	exempli gratia (for example)	e.g.	minute (angular)	'
degrees Celsius	°C	Federal Information Code	FIC	not significant	NS
degrees Fahrenheit	°F	id est (that is)	i.e.	null hypothesis	H <sub>0</sub>
degrees kelvin	K	latitude or longitude	lat or long	percent	%
hour	h	monetary symbols (U.S.)	\$, ¢	probability	P
minute	min	months (tables and figures): first three letters	Jan,...,Dec	probability of a type I error (rejection of the null hypothesis when true)	$\alpha$
second	s	registered trademark	®	probability of a type II error (acceptance of the null hypothesis when false)	$\beta$
<b>Physics and chemistry</b>		trademark	™	second (angular)	"
all atomic symbols		United States (adjective)	U.S.	standard deviation	SD
alternating current	AC	United States of America (noun)	USA	standard error	SE
ampere	A	U.S.C.	United States Code	variance	
calorie	cal			population sample	Var var
direct current	DC	U.S. state	use two-letter abbreviations (e.g., AK, WA)		
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. 24-23***

**ANNUAL MANAGEMENT REPORT FOR GROUND FISH FISHERIES IN  
THE KODIAK, CHIGNIK, AND SOUTH ALASKA PENINSULA AREAS,  
2023**

by  
Cassandra Whiteside  
Alaska Department of Fish and Game, Division of Commercial Fisheries, Kodiak  
and  
Annie Looman  
Alaska Department of Fish and Game, Division of Commercial Fisheries, Kodiak

Alaska Department of Fish and Game  
Division of Sport Fish, Research and Technical Services  
333 Raspberry Road, Anchorage, Alaska, 99518-1565

November 2024

The Fishery Management Report 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.

Product names used in this publication are included for completeness and do not constitute product endorsement. The Alaska Department of Fish and Game does not endorse or recommend any specific company or their products.

*Cassandra Whiteside  
Alaska Department of Fish and Game, Division of Commercial Fisheries,  
351 Research Court, Kodiak, AK 99615, USA*

*and*

*Annie Looman  
Alaska Department of Fish and Game, Division of Commercial Fisheries,  
351 Research Court, Kodiak, AK 99615, USA*

*This document should be cited as follows:*

*Whiteside, C., and A. Looman. 2024. Annual management report for groundfish fisheries in the Kodiak, Chignik, and South Alaska Peninsula Areas, 2023. Alaska Department of Fish and Game, Fishery Management Report No. 24-23, Anchorage.*

The Alaska Department of Fish and Game (ADF&G) administers all programs and activities free from discrimination based on race, color, national origin, age, sex, religion, marital status, pregnancy, parenthood, or disability. The department administers all programs and activities in compliance with Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title II of the Americans with Disabilities Act (ADA) of 1990, the Age Discrimination Act of 1975, and Title IX of the Education Amendments of 1972.

**If you believe you have been discriminated against in any program, activity, or facility please write:**

ADF&G ADA Coordinator, P.O. Box 115526, Juneau, AK 99811-5526

U.S. Fish and Wildlife Service, 4401 N. Fairfax Drive, MS 2042, Arlington, VA 22203

Office of Equal Opportunity, U.S. Department of the Interior, 1849 C Street NW MS 5230, Washington DC 20240

**The department's ADA Coordinator can be reached via phone at the following numbers:**

(VOICE) 907-465-6077, (Statewide Telecommunication Device for the Deaf) 1-800-478-3648,

(Juneau TDD) 907-465-3646, or (FAX) 907-465-6078

**For information on alternative formats and questions on this publication, please contact:**

ADF&G Division of Sport Fish, Research and Technical Services, 333 Raspberry Road, Anchorage AK 99518 (907) 267-2517

# TABLE OF CONTENTS

	Page
LIST OF TABLES.....	ii
LIST OF FIGURES.....	iii
LIST OF APPENDICES .....	iii
ABSTRACT .....	1
INTRODUCTION.....	1
PACIFIC COD .....	2
Parallel Season Background .....	2
2023 Parallel Pacific Cod Season Overview .....	3
Kodiak Area.....	3
Chignik Area.....	3
South Alaska Peninsula Area.....	3
State-Waters Season Background.....	4
2023 State-Waters Pacific Cod Season Overview .....	4
Kodiak Area.....	4
Chignik Area.....	6
South Alaska Peninsula Area.....	6
Pacific Cod Harvest Monitoring.....	8
BLACK ROCKFISH.....	8
2023 Black Rockfish Overview.....	9
Kodiak Area.....	9
Chignik Area.....	9
South Alaska Peninsula Area.....	10
Black Rockfish Harvest Monitoring.....	10
LINGCOD .....	10
PARALLEL WALLEYE POLLOCK FISHERIES.....	10
REFERENCES CITED .....	12
TABLES AND FIGURES.....	13
APPENDIX A: FREQUENTLY USED ACRONYMS AND KEY WORDS .....	65
APPENDIX B: KODIAK, CHIGNIK, AND SOUTH ALASKA PENINSULA MANAGEMENT AREAS STATE-WATERS STATISTICAL AREAS FOR GROUND FISH.....	67

# LIST OF TABLES

Table	Page
1. Kodiak, Chignik, and South Alaska Peninsula Areas groundfish emergency orders summary, 2023 .....	14
2. Top 30 species harvested, by weight in pounds, as reported on groundfish fish tickets, from state waters of Kodiak, Chignik, and South Alaska Peninsula groundfish management areas, 2023.....	15
3. Central Gulf of Alaska Management Area federal and state-waters Pacific cod harvest, in millions of pounds, 1990–2023. ....	16
4. Western Gulf of Alaska Management Area federal and state-waters Pacific cod harvest, in millions of pounds, 1990–2023. ....	17
5. Kodiak Area Pacific cod harvest, in pounds, by gear type, during parallel fisheries, 1997–2023. ....	18
6. Chignik Area Pacific cod harvest, in pounds, by gear type, during parallel fisheries, 1997–2023. ....	19
7. South Alaska Peninsula Area Pacific cod harvest, in pounds, by gear type, during parallel fisheries, 1997–2023.....	20
8. Kodiak, Chignik, and South Alaska Peninsula Areas regulatory development for state-waters and parallel Pacific cod fisheries, 1996–2023.....	21
9. Kodiak, Chignik, and South Alaska Peninsula Areas state-waters Pacific cod effort, guideline harvest level, harvest in pounds, and value, 2003–2023. ....	23
10. Kodiak Area state-waters Pacific cod guideline harvest level, effort, harvest, in pounds and value by gear type, 1997–2023. ....	25
11. Pacific cod effort and harvest in pounds by statistical area, from the Kodiak Area state-waters season, 2023.....	27
12. Kodiak Area state-waters Pacific cod fishery dates and management actions, by gear type, 1997–2023.....	28
13. Chignik Area state-waters Pacific cod guideline harvest level, effort, harvest in pounds, and value, by gear type, 1997–2023. ....	33
14. Chignik Area state-waters Pacific cod fishery dates and management actions, by gear type, 1997–2023.....	35
15. South Alaska Peninsula Area state-waters Pacific cod guideline harvest level, effort, harvest in pounds, and value, by gear type, 1997–2023. ....	40
16. Pacific cod effort and harvest in pounds by statistical area from the South Alaska Peninsula Area state-waters season, 2023.....	42
17. South Alaska Peninsula Area state-waters Pacific cod fishery dates and management actions, by gear type, 1997–2023.....	43
18. Kodiak, Chignik, and South Alaska Peninsula Areas black rockfish regulatory development and management actions, 1997–2023. ....	47
19. Kodiak, Chignik, and South Alaska Peninsula Areas black rockfish guideline harvest level, harvest in pounds, and fishery closure date, by district, 2023.....	48
20. Kodiak Area black rockfish jig effort, guideline harvest level, harvest in pounds, and value, 1990–2023.....	49
21. Chignik Area black rockfish jig effort, guideline harvest level harvest in pounds, and value, 1990–2023.....	50
22. South Alaska Peninsula Area Eastern District black rockfish jig effort, guideline harvest level, harvest in pounds, and value, 1990–2023. ....	51
23. Kodiak, Chignik, and South Alaska Peninsula Areas lingcod harvest in pounds, by gear type, 1988–2023.....	52
24. Central Gulf of Alaska and Western Gulf of Alaska walleye pollock fishery dates, 2019–2023.....	53
25. Central Gulf of Alaska walleye pollock effort and harvest, in millions of pounds, 1995–2023.....	54
26. Western Gulf of Alaska walleye pollock effort and harvest, in millions of pounds, 1995–2023. ....	55

## LIST OF FIGURES

<b>Figure</b>	<b>Page</b>
1. Alaska Department of Fish and Game and National Marine Fisheries Service groundfish management areas.....	56
2. Kodiak Area state-waters Pacific cod harvest, in pounds, by statistical area, 2023. ....	57
3. South Alaska Peninsula Area state-waters Pacific cod harvest, in pounds, by statistical area, 2023. ....	58
4. Kodiak Area Pacific cod length frequency from state-waters fisheries, 2013–2023. ....	59
5. Chignik Area Pacific cod length frequency from state-waters fisheries, 2013–2023. ....	59
6. South Alaska Peninsula Area Pacific cod length frequency from state-waters fisheries, 2013–2023. ....	60
7. Kodiak Area Pacific cod age composition from the state-waters fisheries, 2013–2023. ....	60
8. Chignik Area Pacific cod age composition from the state-waters fisheries, 2013–2023. ....	61
9. South Alaska Peninsula Area Pacific cod age composition from the state-waters fisheries, 2013–2023. ....	61
10. Kodiak, Chignik, and South Alaska Peninsula black rockfish management areas and districts. ....	62
11. Kodiak Area black rockfish harvest, in pounds, by statistical area, 2023. ....	63
12. Kodiak Area black rockfish length frequency from directed fisheries, 2013–2023. ....	64
13. Kodiak Area black rockfish age composition from directed fisheries, 2013–2023. ....	64

## LIST OF APPENDICES

<b>Appendix</b>	<b>Page</b>
A1. Frequently used acronyms and key words. ....	66
B1. Kodiak Management Area state-waters statistical areas for groundfish. ....	68
B2. Chignik Management Area state-waters statistical areas for groundfish. ....	69
B3. South Alaska Peninsula Management Area state-waters statistical areas for groundfish. ....	70



## ABSTRACT

This report summarizes 2023 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 Kodiak, Chignik, and South Alaska Peninsula Areas. Reported harvest data were acquired from the ADF&G fish ticket database. Principal state-waters fisheries include Pacific cod *Gadus macrocephalus* and black rockfish *Sebastes melanops*. The 2023 harvest of Pacific cod during state-waters fisheries totaled 9.26 million pounds from 114 vessels, with an estimated exvessel value of \$4.26 million. Black rockfish harvest in Kodiak Area jig gear fisheries totaled 101,611 pounds from 9 vessels with an estimated exvessel value of \$99,579. No effort occurred for black rockfish in the Chignik Area or the South Alaska Peninsula Area Eastern District. During parallel fisheries, ADF&G adopts most season dates, bycatch limits, area closures, and allowable gear types established by the National Marine Fisheries Service (NMFS) for federal fisheries that occur in the adjacent exclusive economic zone. Walleye pollock *Gadus chalcogrammus* and Pacific cod are the predominant species harvested during parallel fisheries.

Keywords: Kodiak, Chignik, South Alaska Peninsula, groundfish, Pacific cod, black rockfish, walleye pollock, lingcod, dark rockfish, state waters, parallel, commercial fisheries, exvessel, trawl, pot, longline, jig, Annual Management Report

## INTRODUCTION

This report provides an overview of commercial groundfish fisheries in the Kodiak, Chignik, and South Alaska Peninsula Areas and summarizes catch information and regulations that guide management of groundfish resources. These fisheries include Pacific cod *Gadus macrocephalus*, black rockfish *Sebastes melanops*, dark rockfish *Sebastes ciliatus*, lingcod *Ophiodon elongates*, and walleye pollock *Gadus chalcogrammus*. Fishery harvest data reported were acquired from the Alaska Department of Fish & Game (ADF&G) fish ticket database. Appendix A defines frequently used acronyms and keywords associated with groundfish fisheries.

Commercial groundfish fisheries inside state waters (0–3 nmi) are managed by ADF&G under regulations developed by the Alaska Board of Fisheries (BOF). Management authority for commercial groundfish fisheries in the exclusive economic zone (EEZ; 3–200 nmi) off Alaska, with the exception of exclusively state managed species (e.g., black rockfish), is delegated to National Marine Fisheries Service (NMFS) through the Magnuson–Stevens Fishery Conservation and Management Act (MSFCMA 2007). Federal commercial groundfish fisheries are prosecuted under guidelines developed by the North Pacific Fishery Management Council (NPFMC).

Several commercially important groundfish species managed by NMFS also occur inside state waters. To facilitate consistency between state and federal regulations for specific transboundary groundfish species, ADF&G issues an annual emergency order (EO), effective January 1, establishing parallel groundfish seasons in state waters, during which the state adopts most regulations of adjacent federal fisheries unless superseded by BOF regulations (Table 1).

State-waters seasons are independent of federal/parallel seasons. In the Kodiak, Chignik, and South Alaska Peninsula Areas, state-waters seasons for Pacific cod, lingcod, black rockfish, and dark rockfish are established by regulation. State-waters seasons for Pacific cod are prosecuted exclusively within state waters of Alaska (0–3 nmi), whereas ADF&G has management authority from shore to the 200 nautical mile boundary of the EEZ in the Gulf of Alaska (GOA) for lingcod, black rockfish, and dark rockfish. In 2023, 15 EOs were issued to regulate state-waters groundfish fisheries in Kodiak, Chignik, and South Alaska Peninsula Areas (Table 1).

During 2023, walleye pollock and Pacific cod were the primary species harvested from state waters in Kodiak, Chignik, and South Alaska Peninsula Areas (Table 2). In state waters, all directed

walleye pollock harvest occurred during parallel seasons, whereas Pacific cod were harvested during state-waters and parallel seasons.

## **PACIFIC COD**

In the GOA, Pacific cod are managed as a single stock (Shimada and Kimura 1994). NMFS conducts an annual stock assessment to establish Pacific cod acceptable biological catches (ABCs) that are apportioned among federal regulatory areas of Eastern Gulf of Alaska (EGOA), Central Gulf of Alaska (CGOA), and Western Gulf of Alaska (WGOA; Figure 1). The data indicate that the GOA Pacific cod stock remains at low levels. The 2023 spawning biomass was estimated to be 25.5% of an unfished biomass, above the overfished determination level (17.5%), and above the 20% threshold designed to protect forage for endangered Stellar sea lions; federal regulation prohibits directed Pacific cod fisheries if biomass falls below 20% (Hulson et al. 2022). As a result, federal/parallel and state-waters fisheries were prosecuted in 2023. However, the 2023 recommended ABC decreased 25% from the 2022 ABC. This decrease is attributed to population declines as indicated by a 24% decline in the Alaska Fisheries Science Center (AFSC) longline survey Relative Population Number index in 2022 compared to 2021, the only index of abundance that was updated in this year's assessment (Hulson et al. 2022).

The random effects model used for ABC area apportionments for the 2023 GOA Pacific cod stock assessment apportioned 60.2% to the CGOA, 30.3% to the WGOA, and 9.5% to the EGOA (Hulson et al. 2022). These recommended apportionment values were ultimately adopted by the NPFMC Science and Statistical Committee and the NPFMC for use during the 2023 fisheries; the 2023 GOA Pacific cod ABC of 54.31 million pounds was apportioned 32.69 million pounds to the CGOA, 16.46 million pounds to the WGOA, and 5.16 million pounds to the EGOA.

Pacific cod ABCs are further apportioned between federal/parallel fisheries and state-waters fisheries. In the CGOA, federal/parallel fisheries receive 75% of the CGOA ABC as total allowable catch (TAC) and state-waters fisheries receive 25% of the CGOA ABC as guideline harvest level (GHL). In the WGOA, federal/parallel fisheries receive 70% of the WGOA ABC and state-waters fisheries receive 30% of the WGOA ABC. Federal/parallel TACs are further apportioned by season, gear type, and processing activity. During directed federal fisheries, NMFS allocated 60% of the TAC to the spring A season, and the remaining 40% of the TAC was made available during the fall B season. State-waters Pacific cod GHLs in the Kodiak, Chignik, and South Alaska Peninsula Areas are not apportioned into A and B seasons.

## **PARALLEL SEASON BACKGROUND**

ADF&G annually issues an EO establishing parallel Pacific cod seasons in state waters of Kodiak, Chignik, and South Alaska Peninsula Areas (EO 4-GF-01-23; Table 1). This EO adopts most federal fishing regulations including season dates, allowable gear types, area closures, bycatch limits, and other regulations the commissioner determines reasonably necessary to accommodate federal fishery management measures in state waters. Most NMFS area closures, including closures for Steller sea lion (SSL) protection, are in effect during parallel fisheries. Federal seabird avoidance requirements are recognized by the state during parallel Pacific cod fisheries as are vessel monitoring system (VMS) and catch reporting requirements. Federal sector allocations based on processing activity are not recognized in parallel Pacific cod fisheries. State waters adjacent to federal waters open to a gear type, for either catcher–processor or catcher–vessel, are considered open in the parallel fishery for that same gear type regardless of processing activity.

## **2023 PARALLEL PACIFIC COD SEASON OVERVIEW**

The 2023 CGOA Pacific cod harvest, including federal, parallel, and state-waters seasons, totaled 28.92 million pounds, which was 88% of the CGOA ABC (Table 3). Approximately 37% of the CGOA total harvest was taken from state waters. Total Pacific cod harvest from the WGOA during 2023 was 14.15 million pounds, which was 86% of the WGOA ABC (Table 4). Approximately 41% of the total WGOA harvest was taken from state waters.

### **Kodiak Area**

The 2023 Kodiak Area parallel pot gear A season was open from January 1 through February 26, and parallel pot gear B season was open from September 1 through October 26.

The parallel jig gear season opens 48 hours after the closure of the state-waters jig gear season. The state-waters jig fishery was open from January 1 through April 22. Therefore, the parallel jig gear fishery opened on April 24. The Kodiak Area parallel jig gear A season was closed on April 28 and parallel jig gear B season did not open as the entire federal Pacific cod jig gear sector TAC was harvested during the A season.

Harvest of Pacific cod by all gear types during the 2023 parallel fishery within the Kodiak Area totaled 2.08 million pounds (Table 5). Longline gear vessels harvested the largest proportion (47%), followed by pot gear (27%), jig gear (24%), and trawl gear vessels (2%; Table 5).

### **Chignik Area**

The majority of the Chignik Area is located within the CGOA with a small portion located within the WGOA federal management area (Figure 1). The Chignik Area parallel season has separate dates according to location within federal management areas. For the Chignik Area located within the CGOA, the 2023 parallel pot gear A season was open from January 1 through February 26, and the parallel jig gear A season was open from January 1 through March 14. The parallel pot gear B season did not open because the state-waters rollover season did not close until December 31, and the parallel jig gear B season did not open because the state-waters season did not close until December 31. For the Chignik Area located within the WGOA, the parallel pot gear A season was open from January 1 through February 1, and the parallel jig gear A season was open from January 1 through March 14. The parallel pot gear B season did not open because the state-waters rollover season did not close until December 31, and the parallel jig gear B season did not open because the state-waters season did not close until December 31.

The 2023 Chignik Area parallel Pacific cod harvest of 48,926 pounds was harvested by vessels using longline gear (Table 6). Chignik Area parallel harvest of Pacific cod was predominantly located in the CGOA, but some parallel harvest in the WGOA did occur.

### **South Alaska Peninsula Area**

The 2023 South Alaska Peninsula Area parallel A season was open from January 1 through February 1 for pot gear and from January 1 through March 14 for jig gear. The WGOA parallel pot gear B season was open from September 1 through December 31, and the parallel jig gear B season was open from June 10 through August 2. Harvest of Pacific cod by all gear types during the 2023 South Alaska Peninsula Area parallel season totaled 779,947 pounds (Table 7). Pot gear vessels harvested the largest proportion (45%), followed by jig gear (37%), trawl gear (15%), and longline gear vessels (3%; Table 7).

## **STATE-WATERS SEASON BACKGROUND**

State-waters Pacific cod seasons in the Kodiak, Chignik, and South Alaska Peninsula Areas began in 1997. The BOF developed state-waters Pacific cod management plans for each management area (Table 8). Allowable gear types (pot, mechanical jigging machine, and hand troll gear) are the same across management areas, whereas fishing season dates, vessel size limits, registration exclusivity, GHL allocations and rollover provisions, and gear storage regulations are unique to each management area.

Chignik and South Alaska Peninsula Area management plans specify gear limits of 60 pots or 5 mechanical jigging machines. The Kodiak Area management plan specifies gear limits of 60 pots or 6 mechanical jigging machines with a maximum of 30 hooks per line, and no more than 500 hooks in aggregate can be on board the vessel.

GHLs for each state-waters management area are set as a percentage of the annual federal Pacific cod ABC. State-waters GHLs were initially set at 15% of the ABC established for the federal CGOA or WGOA management areas and were structured to increase incrementally to 20% and then 25% of federal ABCs if harvest in any year exceeded 90% of the established state-waters GHL. By 2003, each management area achieved the maximum GHL increment, and GHLs were set at 25% of the WGOA ABC for the South Alaska Peninsula Area and 25% of the CGOA ABC divided among the Kodiak Area (12.5%), Chignik Area (8.75%), and Cook Inlet Area (3.75%). In 2014, the BOF increased the South Alaska Peninsula Area GHL to 30% of the WGOA ABC. GHLs for each state-waters management area are further apportioned between gear types. If a gear type GHL allocation will not be attained by the date specified in regulation, a rollover provision may allow all gear types the opportunity to harvest some or all of the remaining GHL.

## **2023 STATE-WATERS PACIFIC COD SEASON OVERVIEW**

Approximately 9.26 million pounds of Pacific cod were harvested from Kodiak, Chignik, and South Alaska Peninsula Areas by 114 vessels during the 2023 state-waters seasons (Table 9). This was a 20% increase in participation and a 30% decrease in harvest compared to the 2022 state-waters season. Compared to the previous 5-years (2018–2022), 2023 participation was 32% above average and harvest was 3% above average (Table 9). Total 2023 state-waters seasons exvessel value was approximately \$4.26 million. The 2023 price per pound of \$0.46 is lower than the 2022 price per pound and higher than previous 5-year average of \$0.45 (Table 9).

### **Kodiak Area**

The 2023 Kodiak Area GHL was 4.09 million pounds (Table 9). Pot and jig gear vessels were each allocated 50% of the total GHL, or 2.04 million pounds (Table 10). Total Pacific cod harvest from the 2023 Kodiak Area state-waters season was 4.31 million pounds taken by 71 vessels with an estimated exvessel value of \$1.98 million based on an average price of \$0.46 per pound (Table 9). Pacific cod were harvested from 23 statistical areas during the season (Table 11). Harvest was distributed around the Kodiak Archipelago; notable harvest occurred in Outer Kiluیدا Bay (statistical area 525703), Chiniak Bay (statistical area 525733), and Outer Ugak Bay (statistical area 525701; Table 11, Figure 2, and Appendix B1).

### ***Kodiak Pot Gear Season***

The Kodiak Area state-waters pot gear season opens 7 days after closure of the federal CGOA pot gear A season. The 2023 federal CGOA pot gear A season closed February 26, and the Kodiak Area state-waters Pacific cod pot gear season opened March 5 (Table 12).

The GHL allocation for pot gear vessels was 50% of the total state-waters GHL (2,043,389 pounds), and pot gear vessels greater than 58 feet overall length (OAL) were limited to 25% of the total state-waters GHL (1,021,695 pounds) before September 1. A total of 16 vessels participated in the 2023 Kodiak Area state-waters pot gear season; 6 vessels were over 58 feet OAL, and 10 vessels were 58 feet OAL or less. In 2023, the same number of vessels participated as the previous year. Compared to the previous 5 years (2018–2022), 2023 participation was 33% above average (Table 10). The harvest cap for vessels greater than 58 feet OAL was not attained, and the pot gear season was open for 10 days for all vessels (Table 12). The GHL was achieved, and harvest totaled 2,138,128 pounds (Table 10). Fleetwide landings ranged from approximately 15,000 to 442,000 pounds per day and averaged 217,507 pounds per day on days when landings occurred. Individual vessel landings ranged from approximately 23,000 to 196,000 pounds with an average landing of 45,314 pounds. The pot gear season closed on March 15 (Table 12). The estimated exvessel value of the 2023 pot gear fishery was \$978,780 based on an average exvessel price of \$0.45 per pound (Table 10).

### ***Kodiak Jig Gear Season***

The Kodiak Area state-waters Pacific cod season for vessels using jig gear opened January 1, 2023 (Table 12). The GHL allocation for jig gear vessels was 50% of the total state-waters GHL (2,043,389 pounds). A total of 55 vessels participated in the 2023 Kodiak state-waters jig gear season. In 2023, there was a 53% increase in participation compared to the 2022 season. Compared to the previous 5-years (2018–2022), 2023 participation was 77% above average (Table 10). The jig gear season was open for 112 days and the GHL was achieved; harvest totaled 2,175,067 pounds (Tables 10 and 12).

Peak harvest during the Kodiak jig gear season occurred in March and April. During this time period, the number of landings per week ranged from 18 to 48. Fleetwide landings ranged from approximately 450 to 248,000 pounds per day and averaged 44,454 pounds per day on days when landings occurred. Individual vessel landings ranged from approximately 170 to 33,000 pounds with an average landing of 9,879 pounds. The jig gear season closed on April 22 (Table 12). The estimated exvessel value of the 2023 jig gear fishery was \$983,539 based on an average price of \$0.46 per pound (Table 10).

### ***Allocation Rollover***

Provisions in the *Kodiak Area Pacific Cod Management Plan* (5 AAC 28.467) permit additional harvest opportunity; if it is determined that the jig gear GHL allocation will not be taken by June 10, 50% of the remaining jig gear allocation, as of March 25, may be taken by either pot or jig gear beginning April 1. Through March 25, 2023, approximately 21% of the jig gear GHL had been harvested and the weekly harvest rate was above the previous 2 years. Vessel registration and participation was also above average. The 2023 jig gear harvest appeared to be on track to be achieved by June 10; therefore, a spring allocation rollover did not occur.

Additionally, if it is determined the GHL will not be attained by the regulatory closure on December 31, the management plan allows 100% of unharvested state-waters GHL to be taken by

either pot or jig gear after closure of the federal CGOA pot gear B season. The state-waters GHL was achieved; therefore, a fall allocation rollover did not occur.

## **Chignik Area**

The 2023 Chignik Area GHL was 2.86 million pounds (Table 9). Vessels using pot gear were allocated 90% of the GHL (2.57 million pounds), and vessels using jig gear were allocated 10% (286,074 pounds; Table 13). Total Pacific cod harvest from the 2023 Chignik Area state-waters season and exvessel value is confidential, because only 1 vessel made 4 landings (Table 13). See Appendix B2 for Chignik Area state-waters statistical areas for groundfish.

### ***Chignik Pot Gear Season***

The Chignik Area state-waters pot gear season opens March 1 or 7 days after closure of the federal CGOA pot gear A season, whichever is later. The 2023 federal CGOA pot gear A season closed February 26, and the Chignik Area state-waters Pacific cod pot gear season opened March 5 (Table 14).

One vessel participated in the 2023 Chignik Area state-waters pot gear season. Participation was lower (75% decrease) compared to the 2022 season and the previous 5-year average (2018–2022; Table 13). Harvest information is confidential. The GHL was not achieved, and the season closed on the regulatory closure date of December 31 (Tables 13 and 14).

### ***Chignik Jig Gear Season***

The 2023 Chignik Area state-waters jig gear season opened by regulation on March 15 and closed on December 31 (Table 14). No vessels participated in the 2023 Chignik Area directed jig gear season (Table 13).

### ***Allocation Rollover***

Provisions in the *Chignik Area Pacific Cod Management Plan* (5 AAC 28.537) permit additional harvest opportunity if ADF&G determines the GHL will not be attained by the regulatory closure date. Beginning August 15, the management plan allows unharvested GHL to be taken by either pot or jig gear and for gear limits to be removed. Additionally, the management plan allows unharvested GHL to be taken by a vessel of any size after October 30. In 2023, the rollover fishery was open from August 15 through December 31 without gear restrictions and from October 31 through December 31 without vessel size restrictions; however, no additional harvest occurred (Table 14).

## **South Alaska Peninsula Area**

The 2023 South Alaska Peninsula Area GHL was 4.94 million pounds (Table 9). Vessels using pot gear were allocated 85% of the total GHL (4.20 million pounds), and vessels using jig gear were allocated 15% of the GHL (740,481 pounds; Table 15). Total Pacific cod harvest from the 2023 South Alaska Peninsula Area state-waters season was 4.94 million pounds taken by 42 vessels with an estimated exvessel value of \$2.27 million based on an average price of \$0.46 per pound (Table 9). Pacific cod were harvested from 19 statistical areas during the season; notable harvest occurred on the west side of Nagai Island (statistical area 605502) and south of Ikatan Peninsula (statistical area 635434; Table 16, Figure 3, and Appendix B3).

### ***South Alaska Peninsula Pot Gear Season***

Unless delayed by weather, the state-waters pot gear season opens March 7 or 7 days after the close of the federal WGOA pot gear season, whichever is later. The 2023 federal WGOA pot gear A season closed February 1 and weather was not a factor. Therefore, the South Alaska Peninsula Area state-waters Pacific cod pot gear season opened as scheduled on March 7 (Table 17).

A total of 21 vessels participated in the 2023 South Alaska Peninsula Area state-waters pot gear season (Table 15). In 2023, there was a 32% decrease in participation compared to the 2022 season. Compared to the previous 5-years (2018–2022), 2023 participation was 16% below average (Table 15). The pot gear season was open for 5 days and 95% of the GHL was achieved; harvest totaled 3,980,000 pounds (Tables 15 and 17). Fleetwide landings ranged from approximately 38,000 to 986,000 pounds per day and averaged 497,500 pounds per day on days when landings occurred. Individual vessel landings ranged from approximately 8,000 to 147,000 pounds, with an average landing of 54,521 pounds. The pot gear season closed on March 12 (Table 17). The estimated exvessel value of the 2023 pot gear fishery was \$1.83 million based on an average exvessel price of \$0.46 per pound (Table 15).

### ***South Alaska Peninsula Jig Gear Season***

The South Alaska Peninsula Area state-waters Pacific cod season for vessels using jig gear opens 48 hours after closure of the federal Western Gulf of Alaska (WGOA) jig gear sector A season or March 15 if the WGOA federal jig gear A season has not closed. Closure of the WGOA jig gear sector A season was announced for 12:00 noon March 14, 2023. However, to provide fishing opportunity during the short Pacific cod spawning season and to facilitate harvest of the state-waters jig gear GHL allocation, the South Alaska Peninsula Area parallel Pacific cod jig gear season was closed and the South Alaska Peninsula Area state-waters Pacific cod jig gear season was immediately opened at 12:00 noon March 14, 2023 (Table 17).

A total of 21 vessels participated in the 2023 South Alaska Peninsula state-waters jig gear season, which was a 110% increase in participation from the previous year; compared to the previous 5 years (2018–2022), 2023 participation was 31% above average (Table 15). The jig gear season was open for 107 days and the GHL was achieved; harvest totaled 963,863 pounds (Tables 15 and 17). Fleetwide landings ranged from approximately 300 to 59,000 pounds per day and averaged 16,337 pounds per day on days when landings occurred. Individual vessel landings ranged from approximately 200 to 36,000 pounds, with an average landing of 5,806 pounds. The jig gear season closed on June 28 (Table 17). The estimated exvessel value of the 2023 jig gear fishery was \$443,377 based on an average price of \$0.46 per pound (Table 15).

### ***Allocation Rollover***

Provisions in the *South Alaska Peninsula Area Pacific Cod Management Plan*<sup>3</sup> permit additional harvest opportunity if ADF&G determines the GHL will not be attained by the regulatory closure date of December 31. The management plan allows unharvested state-waters GHL to be taken by either pot or jig gear after closure of the federal WGOA pot gear B season. The state-waters GHL was achieved; therefore, an allocation rollover did not occur during the 2023 season.

---

<sup>3</sup> Alaska Administrative Code: 5 AAC 28.577

## **PACIFIC COD HARVEST MONITORING**

During the 2023 Pacific cod seasons, daily harvest reports were obtained from vessel operators using pot gear. Harvest reports included daily number of pots pulled, pounds retained, and fishing location for each vessel. Processor and vessel catch reports were subsequently referenced against landing data derived from the Interagency Electronic Reporting System (eLandings) to track daily catch and forecast harvests.

Dockside sampling was conducted in the port of Kodiak throughout the pot and jig gear seasons, in King Cove and Akutan during the South Alaska Peninsula Area pot gear season, and in Sand Point during part of the South Alaska Peninsula Area jig gear season. Pacific cod harvested in the Chignik Area were opportunistically sampled if those fish were landed in Kodiak. Samplers collected data on fish length, weight, sex, age, and reproductive status. Sampling goals include 500 otolith samples for each gear type (i.e., pot and jig) for the Kodiak Area, and 500 otolith samples for combined gear types per area for Chignik and South Alaska Peninsula Areas.

During 2023, sampling staff in Kodiak, Sand Point, King Cove, and Akutan conducted 44 skipper interviews and collected biological samples from 73 deliveries. Samplers collected 7,325 fish lengths and 2,292 individual fish weights, extracted 2,292 otolith pairs for age determination, and made 2,291 observations of sex and maturity.

In 2023, average lengths of sampled Pacific cod in the Kodiak Area (71 cm), Chignik Area (67 cm), and South Alaska Peninsula Area (69 cm) were greater than the 10-year averages (64 cm, 66 cm, and 67 cm, respectively; Figures 4–6). Conversely, the average age of Pacific cod sampled in 2023 in the Kodiak Area (age 5) and Chignik Area (age 5) were less than the 10-year averages (age 6; Figures 7 and 8). The distribution of ages in the Kodiak Area in 2023 were similar to the 10-year average, whereas the distribution of ages in the Chignik Area in 2023 shows a higher frequency of age-3 and age-4 fish and a lower frequency of age-6 to age-12 fish when compared to the 10-year average (Figures 7 and 8). The age of Pacific cod sampled in the South Alaska Peninsula Area in 2023 was equal to the 10-year average (age-6); however, the frequency of age-4 to age-6 was greater than the 10-year average, and the frequency of age-7 to age-12 fish was lower than the 10-year average (Figure 9).

## **BLACK ROCKFISH**

In 1998, ADF&G assumed management authority for black rockfish within the EEZ of the GOA (Table 18). Beginning that year, ADF&G assigned GHs to state groundfish management areas within the GOA to better distribute effort (Figure 10). Since 2008, the BOF has provided further structure to black rockfish fishery regulations through registration requirements, trip limits, gear limits, and bycatch limits (Table 18).

The Kodiak Area is divided into 7 districts: Afognak, Northeast, Eastside, Southeast, Southwest, Westside, and Mainland. The Chignik Area is divided into 3 districts: Mitrofanina, Chignik Bay, and Sutwik Island. The South Alaska Peninsula Area is divided into the Eastern and Western Districts; the Western District is located west of Scotch Cap light and is managed by ADF&G staff in Dutch Harbor (Figure 10). ADF&G staff in Kodiak annually establish GHs for the South Alaska Peninsula Area Eastern District, the Chignik Area, and 5 districts of the Kodiak Area. In 2 districts in the Kodiak Area, Southwest and Mainland Districts, harvest of black rockfish is only allowed as bycatch in other fisheries. In the Chignik Area, there are no district GHs but rather an area GH with district harvest caps (Table 19).

Mechanical jigging machine and hand troll gear are the only legal gear types in the directed black rockfish fishery. All black rockfish harvested by jig gear, either through directed effort or as bycatch to other jig gear fisheries (i.e., Pacific cod or dusky rockfish *Sebastes variabilis*), accrue against area or district GHLS. Black rockfish bycatch harvest from non-jig gear fisheries (trawl, longline, etc.) does not accrue against area or district GHLS. Districts are individually managed and closed to directed fishing upon achieving the district GHL or harvest cap. Additionally, individual area or district bycatch limits may be reduced inseason to prevent exceeding GHLS.

## **2023 BLACK ROCKFISH OVERVIEW**

Commercial fishery GHLS are established annually after reviewing both fishery dependent and fishery independent data prior to each season. Reviewed data includes commercial fishery harvest data from the fish ticket database; commercial fishery performance and location data from logbooks; estimated sport fishery harvest data from the Statewide Harvest Survey; creel sampling expansion estimates and charter logbooks; age, sex, and length data collected by dockside sampling staff from commercial landings; and density, abundance, and biomass estimates from the ADF&G hydroacoustic survey. Based on these data, status quo GHLS were established in all areas and districts for the 2023 season. The Kodiak Area GHL was 120,000 pounds, the Chignik Area GHL was 100,000 pounds, and the South Alaska Peninsula Area Eastern District GHL was 75,000 pounds (Table 19).

The black rockfish fishery in the Kodiak Area, Chignik Area, and South Alaska Peninsula Area Eastern District opened January 1, 2023. Similar to recent years, black rockfish participation and harvest was concentrated in the Kodiak Area (Table 19). In 2023, 9 vessels participated in the Kodiak Area black rockfish fishery, an 18% decrease compared to the previous 5-year average (2018–2022; Table 20). No effort occurred in the Chignik and South Alaska Peninsula Areas in 2023; participation in these areas has been low with 0–5 vessels participating each year since 2006 (Tables 21 and 22).

### **Kodiak Area**

Nine vessels harvested a total of 101,611 pounds of the 120,000-pound GHL during the 2023 Kodiak Area black rockfish fishery (85% of the GHL; Tables 19 and 20, Figure 11). Most of the harvest occurred during the directed fishery, and approximately 11% of total harvest was taken as bycatch in other jig gear fisheries (Table 19). Directed harvest occurred from January through October with the majority of harvest and effort occurring in March and April. The directed fishery was closed in 2 districts in the Kodiak Area when GHLS were attained (Table 19). GHLS were not fully harvested in 2 districts of the Kodiak Area. The GHL in the Afognak District of the Kodiak Area was nearly achieved; however, the district remained open to directed fishing to provide opportunity for gear testing and shorter trips with close proximity to town (Table 19).

The Kodiak Area exvessel value was \$99,579. The 2023 price per pound of \$0.98 is lower than the 2022 price per pound and higher than the previous 5-year average of \$0.82 (2018–2022; Table 20).

### **Chignik Area**

The 2023 Chignik Area black rockfish GHL was 100,000 pounds. No vessels participated, and no harvest occurred (Table 21).

## **South Alaska Peninsula Area**

The 2023 South Alaska Peninsula Area Eastern District black rockfish GHL was 75,000 pounds. No vessels participated, and no harvest occurred (Table 22).

## **BLACK ROCKFISH HARVEST MONITORING**

Black rockfish harvest is monitored through fish ticket records, district vessel registrations, mandatory directed fishery logbooks, and dockside sampling. Information collected by dockside samplers includes fish length, weight, sex, age, and reproductive status. The 2023 black rockfish dockside data collection was focused in the Kodiak Area due to limited availability of dockside staff and no directed fishery effort in the Chignik and South Alaska Peninsula Areas.

During 2023, dockside sampling staff in Kodiak collected biological samples from 21 deliveries from the Kodiak Area. Samplers collected 2,251 fish lengths and 1,047 individual fish weights, extracted 1,049 otolith pairs for age determination, and made 1,049 observations of sex and maturity.

Black rockfish length frequencies sampled from the Kodiak Area in 2023 averaged 45 cm, smaller than the recent 10-year average of 46 cm; 53% of fish sampled were between 42 cm and 46 cm in length (Figure 12). A large cohort of small black rockfish has been observed since 2015, signaling the influx of a strong year class into the fishery. Sampled ages ranged from 5 to 46 years, with 2 predominant age classes (age 9 and age 10) in the catch making up 77% of the sample (Figure 13). Average age of sampled black rockfish in the Kodiak Area in 2023 was 12 years, younger than the 10-year average of 15 years (Figure 13).

## **LINGCOD**

Commercial regulations in Kodiak and Chignik Areas prohibit retention of lingcod prior to July 1 and require retained lingcod to be a minimum of 35 inches in total length. These regulations provide a buffer against commercial exploitation during nest-guarding and ensure only mature fish are harvested. The South Alaska Peninsula Area is believed to be near the western limit of lingcod distribution (Mecklenburg et al. 2002) and harvests are uncommon; therefore, seasonal retention and size limit regulations are unnecessary.

Since 1988, harvests of lingcod in the Kodiak, Chignik, and South Alaska Peninsula Areas have generally remained below 100,000 pounds annually. Although jig and hand troll gear may be used to target lingcod, most harvest occurs as bycatch in other commercial groundfish fisheries. The 2023 lingcod harvest in the Kodiak, Chignik, and South Alaska Peninsula Areas was 65,762 pounds (Table 23).

## **PARALLEL WALLEYE POLLOCK FISHERIES**

State waters are opened for parallel walleye pollock seasons concurrent with adjacent federal seasons. Prior to the 2021 season, annual harvest limits were allocated across 4 seasons (A, B, C, and D seasons). Beginning in 2021, the CGOA and WGOA trawl catcher–vessel pollock fishery A and B seasons were combined into a single season and redesignated as the A season, and the C and D seasons were combined into a single season and redesignated as the B season (NOAA 2020)<sup>4</sup>. Additionally, the opening date of the redesignated pollock B season was changed from

---

<sup>4</sup> Code of Federal Regulations: 50 CFR § 679

August 25 to September 1. In some years and areas, directed fishing for pollock was prohibited to prevent exceeding the TAC, or more than one opening occurred within a season to ensure the full seasonal allocation was harvested (Table 24). Walleye pollock were primarily harvested by vessels using trawl gear.

The 2023 retained walleye pollock harvest totaled 214.64 million pounds in the CGOA and 57.09 million pounds in the WGOA (Tables 25 and 26). Approximately 5% (10.79 million pounds) of the total 2023 CGOA walleye pollock harvest and 19% (10.91 million pounds) of the total 2023 WGOA harvest occurred in state waters (Tables 25 and 26).

## REFERENCES CITED

- Hulson, P., S. Barbeaux, B. Ferriss, S. McDermott, and I. Spies. 2022. Assessment of the Pacific cod stock in the Gulf of Alaska. [In] Plan team for the groundfish fisheries of the Gulf of Alaska, compiler. Stock assessment and fishery evaluation report for the groundfish resources of the Gulf of Alaska. North Pacific Fishery Management Council, Anchorage.
- National Oceanic and Atmospheric Administration (NOAA). 2020. Fisheries of the Exclusive Economic Zone off Alaska; modifying seasonal allocations of pollock and Pacific cod for trawl catcher vessels in the Central and Western Gulf of Alaska. Federal Register Volume 85(12):38093. <https://www.federalregister.gov/documents/2020/06/25/2020-12453/fisheries-of-the-exclusive-economic-zone-off-alaska-modifying-seasonal-allocations-of-pollock-and> (Accessed 8/8/2024).
- Magnuson–Stevens Fishery Conservation and Management Act (MSFCMA). 2007. Magnuson–Stevens Fishery Conservation and Management Act as amended through January 12, 2007. U.S. Department of Commerce, NOAA Technical Memorandum.
- Mecklenburg, W., T. A. Mecklenburg, and L. K. Thorsteinson. 2002. Fishes of Alaska. American Fisheries Society, Bethesda, Maryland.
- Shimada, A. M., and D. K. Kimura. 1994. Seasonal movements of Pacific cod (*Gadus macrocephalus*) in the eastern Bering Sea and adjacent waters based on tag-recapture data. Fishery Bulletin 92:800–816.

## **TABLES AND FIGURES**

Table 1.—Kodiak, Chignik, and South Alaska Peninsula Areas groundfish emergency orders summary, 2023.

Emergency order	Effective date	Explanation
4-GF-01-23	January 1, 2023	Established parallel commercial groundfish fishing seasons and bycatch limits in the Kodiak, Chignik, South Alaska Peninsula, and Bering Sea-Aleutian Islands Areas
4-GF-04-23	March 7, 2023	Opened South Alaska Peninsula Area state-waters Pacific cod season to pot gear
4-GF-05-23	March 5, 2023	Opened Kodiak Area state-waters Pacific cod season to pot gear
4-GF-06-23	March 5, 2023	Opened Chignik Area state-waters Pacific cod season to pot gear
4-GF-07-23	March 15, 2023	Opened South Alaska Peninsula Area state-waters Pacific cod season to jig gear
4-GF-09-23	March 12, 2023	Closed South Alaska Peninsula Area state-waters Pacific cod season to pot gear
4-GF-10-23	March 14, 2023	Opened South Alaska Peninsula Area state-waters Pacific cod season to jig gear, revised
4-GF-11-23	March 15, 2023	Closed Kodiak Area state-waters Pacific cod season to pot gear
4-GF-14-23	April 22, 2023	Closed Kodiak Area state-waters Pacific cod season to jig gear
4-GF-15-23	April 20, 2023	Closed directed black rockfish fishery and reduced black rockfish bycatch allowance from 20% to 5% for vessels using jig gear in the Eastside District of the Kodiak Area
4-GF-16-23	June 28, 2023	Closed South Alaska Peninsula Area state-waters Pacific cod season to jig gear
4-GF-17-23	July 3, 2023	Closed directed black rockfish fishery and reduced black rockfish bycatch allowance from 20% to 5% for vessels using jig gear in the Northeast District of the Kodiak Area
4-GF-18-23	August 15, 2023	Removed gear limits and the harvest allocation between pot and jig gear for the remainder of the Chignik Area state-waters Pacific cod season
4-GF-19-23	August 15, 2023	Increased trip limit from 5,000 pounds to 7,000 pounds for vessels targeting black rockfish in the Southeast and Westside Districts of the Kodiak Area
4-GF-21-23	October 31, 2023	Removed vessel size limits for the remainder of the Chignik Area state-waters Pacific cod season

Notes: Omitted emergency orders (e.g., 4-GF-02-23) enacted for management areas outside of Kodiak, Chignik, and South Alaska Peninsula.

Table 2.—Top 30 species harvested, by weight in pounds, as reported on groundfish fish tickets, from state waters of Kodiak, Chignik, and South Alaska Peninsula (SAP) groundfish management areas, 2023.

Species	Kodiak	Chignik	SAP	Total
Walleye pollock	10,790,388	CF	10,911,482	21,701,870
Pacific cod	6,395,549	477,713	5,723,810	12,597,072
Pacific halibut	1,889,900	240,444	722,676	2,853,020
Squid	613,675	0	1,868	615,542
Arrowtooth flounder	45,174	CF	170,437	215,611
Black rockfish	100,056	CF	66	100,122
Pacific ocean perch	93,224	0	363	93,587
Flathead sole	24,766	0	15,954	40,721
Octopus spp.	23,003	CF	223	23,226
Yelloweye rockfish	15,911	1,888	5,389	23,188
Pacific herring	20,844	0	589	21,433
Turbot	0	0	21,164	21,164
Smelt	19,880	0	0	19,880
Longnose skate	11,900	CF	CF	13,659
Big skate	10,287	CF	752	11,039
Rougheye rockfish	9,318	120	678	10,116
Rex sole	8,103	0	133	8,237
Sablefish	3,130	2,188	2,616	7,934
Chinook salmon	3,935	0	3,086	7,020
Lingcod	5,834	CF	0	5,834
Skate spp.	4,931	0	706	5,637
Dark rockfish	5,520	0	0	5,520
Rock sole	4,900	0	17	4,917
Dusky rockfish	4,144	CF	90	4,234
Euchalon	3,077	0	662	3,740
Smooth lumpsucker	2,407	0	844	3,251
Spiny dogfish	1,776	CF	608	2,384
Shortraker rockfish	1,992	CF	CF	2,033
Jellyfish	294	0	850	1,144
Dover sole	CF	0	0	CF

Notes: Weights reported in whole fish pounds. Discards at sea excluded. CF = confidential; data are confidential when fewer than 3 vessels participated. Total fish pounds do not include confidential data except total fish pounds for longnose skate and shortraker rockfish are not confidential.

Table 3.—Central Gulf of Alaska Management Area federal and state-waters Pacific cod harvest, in millions of pounds, 1990–2023.

Year	Federal waters		State waters		Total harvest	ABC	Discards at sea
	Harvest	% of Total	Harvest	% of Total			
1990	79.79	87.1	11.82	12.9	91.61	130.95	0.58
1991	81.24	80.6	19.55	19.4	100.79	106.48	0.51
1992	73.12	81.6	16.53	18.4	89.65	85.40	0.46
1993	60.31	83.9	11.60	16.1	71.91	77.50	0.66
1994	50.28	79.6	12.89	20.4	63.16	68.89	0.81
1995	72.84	77.0	21.76	23.0	94.60	100.69	0.79
1996	71.93	81.1	16.76	18.9	88.70	94.58	3.22
1997	76.64	75.7	24.59	24.3	101.24	113.20	1.83
1998	72.63	74.5	24.90	25.5	97.53	108.20	0.39
1999	71.03	67.6	34.08	32.4	105.11	117.22	0.17
2000	56.32	72.2	21.71	27.8	78.03	96.01	0.45
2001	50.00	78.0	14.08	22.0	64.08	85.20	0.80
2002	42.44	70.0	18.18	30.0	60.62	69.84	1.11
2003	41.97	67.6	20.14	32.4	62.11	64.02	0.99
2004	47.26	66.1	24.19	33.9	71.45	78.93	0.49
2005	38.94	61.9	24.00	38.1	62.94	73.01	0.24
2006	37.21	62.5	22.29	37.5	59.50	83.49	0.14
2007	43.58	65.4	22.99	34.6	66.57	83.49	0.41
2008	45.21	63.6	25.84	36.4	71.05	83.56	1.16
2009	35.33	59.9	23.68	40.1	59.02	69.50	1.23
2010	63.34	63.9	35.74	36.1	99.08	108.10	0.94
2011	66.87	59.9	44.86	40.1	111.73	118.64	0.48
2012	67.86	58.8	47.51	41.2	115.38	125.53	0.44
2013	54.64	67.0	26.85	33.0	81.49	108.66	0.88
2014	65.95	64.8	35.77	35.2	101.72	117.07	2.62
2015	58.61	57.9	42.64	42.1	101.26	135.19	1.14
2016	33.81	46.4	39.05	53.6	72.86	108.71	0.14
2017	26.41	59.2	18.20	40.8	44.61	97.40	0.11
2018	9.68	64.9	5.25	35.1	14.93	17.90	0.30
2019	9.29	60.5	6.07	39.5	15.36	16.90	0.72
2020	4.76	60.1	3.16	39.9	7.92	18.65	1.52
2021	14.48	59.4	9.91	40.6	24.39	30.11	0.91
2022	21.85	61.3	13.80	38.7	35.65	43.55	0.90
2023	18.26	63.1	10.67	36.9	28.92	32.69	1.23

Notes: Weights reported in whole fish pounds. Discards at sea excluded from all columns except the *Discards at sea* column. State and federal harvests may not add to total due to rounding. ABC = Acceptable Biological Catch.

Table 4.—Western Gulf of Alaska Management Area federal and state-waters Pacific cod harvest, in millions of pounds, 1990–2023.

Year	Federal waters		State waters		Total harvest	ABC	Discards at sea
	Harvest	% of Total	Harvest	% of Total			
1990	72.20	84.6	13.13	15.4	85.33	65.48	0.74
1991	71.95	94.4	4.29	5.6	76.24	56.67	0.32
1992	59.73	82.0	13.15	18.0	72.87	51.80	0.74
1993	37.90	95.3	1.88	4.7	39.78	41.25	0.18
1994	24.88	77.3	7.32	22.7	32.20	36.67	0.15
1995	35.68	79.9	8.99	20.1	44.67	44.24	0.20
1996	35.28	73.2	12.92	26.8	48.20	41.56	0.29
1997	47.34	70.8	19.55	29.2	66.88	62.89	0.37
1998	39.98	68.9	18.06	31.1	58.04	60.11	0.08
1999	39.73	65.2	21.16	34.8	60.90	65.12	0.04
2000	33.73	54.7	27.90	45.3	61.63	60.64	0.07
2001	23.02	53.5	19.97	46.5	42.99	53.81	0.03
2002	26.32	55.4	21.22	44.6	47.54	49.52	0.07
2003	17.55	40.4	25.93	59.6	43.48	45.40	0.07
2004	17.11	37.8	28.16	62.2	45.27	49.85	0.05
2005	16.49	42.5	22.29	57.5	38.77	46.11	0.05
2006	11.23	28.8	27.74	71.2	38.96	59.21	0.04
2007	15.83	41.6	22.31	58.4	38.14	59.21	0.05
2008	21.53	50.1	21.47	49.9	43.00	57.17	0.06
2009	17.11	42.4	23.24	57.6	40.35	47.55	0.05
2010	26.00	44.0	33.16	56.0	59.16	61.03	0.36
2011	28.42	43.7	36.63	56.3	65.05	66.98	0.10
2012	30.93	54.7	25.59	45.3	56.53	61.80	0.07
2013	31.37	55.2	25.41	44.8	56.78	62.35	0.12
2014	32.92	49.0	34.24	51.0	67.16	72.19	0.08
2015	28.75	46.0	33.77	54.0	62.52	85.32	0.14
2016	27.69	45.3	33.49	54.7	61.18	89.29	0.05
2017	30.83	54.0	26.24	46.0	57.07	80.01	0.03
2018	9.37	58.0	6.78	42.0	16.15	17.82	0.08
2019	9.13	57.9	6.65	42.1	15.79	16.83	0.09
2020	0.32	13.0	2.14	87.0	2.46	10.90	0.01
2021	7.32	52.5	6.62	47.5	13.94	17.61	0.03
2022	10.74	62.2	6.53	37.8	17.27	21.92	0.01
2023	8.42	59.5	5.72	40.5	14.15	16.46	0.04

Notes: Weights reported in whole fish pounds. Discards at sea excluded from all columns except the *Discards at sea* column. State and federal harvests may not add to total due to rounding. ABC = Acceptable Biological Catch.

Table 5.—Kodiak Area Pacific cod harvest, in pounds, by gear type, during parallel fisheries, 1997–2023.

Year	Gear type				Total
	Pot	Longline	Trawl	Jig	
1997	8,311,893	1,894,214	857,688	CF	11,063,795
1998	4,998,323	2,166,389	799,570	27,246	7,991,527
1999	8,102,503	2,579,782	1,226,554	27,963	11,936,802
2000	4,459,508	3,577,798	247,475	79,365	8,364,146
2001	2,800,868	2,284,067	213,454	22,414	5,320,803
2002	2,324,281	1,310,940	270,531	5,926	3,911,678
2003	3,104,572	2,700,479	428,503	16,045	6,249,599
2004	2,329,223	3,857,610	498,690	244,600	6,930,123
2005	3,890,960	3,508,713	366,751	298,326	8,064,750
2006	4,429,520	5,423,320	398,582	190,037	10,441,459
2007	5,018,241	3,420,699	150,583	68,583	8,658,106
2008	3,317,365	1,941,762	305,023	38,267	5,602,418
2009	2,741,107	2,910,195	139,002	70,765	5,861,069
2010	5,142,268	3,319,129	115,026	232,643	8,809,066
2011	7,804,342	4,747,813	108,274	1,080,840	13,741,269
2012	6,401,191	8,175,700	32,606	783,464	15,392,961
2013	3,021,936	2,892,600	59,008	66,766	6,040,309
2014	3,425,588	4,189,250	95,711	240,985	7,951,533
2015	9,058,728	3,782,261	186,690	742,855	13,770,535
2016	12,098,040	1,411,143	44,068	493,548	14,046,799
2017	5,512,551	1,736,340	4,244	28,539	7,281,674
2018	280,159	942,012	11,603	0	1,233,774
2019	471,411	483,954	48,885	65,391	1,069,641
2020 <sup>a</sup>	0	25,492	73,834	0	99,326
2021	741,220	1,185,051	34,010	0	1,960,281
2022	1,683,906	1,485,163	57,198	0	3,226,266
2023	552,025	984,454	47,345	498,563	2,082,387

Notes: Weights reported in whole fish pounds. Discards at sea excluded. CF = confidential; data are confidential in cases where fewer than 3 vessels participated. Total pounds do not include confidential data.

<sup>a</sup> No directed parallel Pacific cod fisheries; bycatch only.

Table 6.—Chignik Area Pacific cod harvest, in pounds, by gear type, during parallel fisheries, 1997–2023.

Year	Gear type				Total
	Pot	Longline	Trawl	Jig	
1997		CF – All gear types			651,504
1998		CF – All gear types			541,455
1999	822,098	3,056	39,704	0	864,858
2000		CF – All gear types			434,483
2001		CF – All gear types			174,654
2002		CF – All gear types			294,577
2003		CF – All gear types			292,112
2004		CF – All gear types			211,006
2005		CF – All gear types			95,400
2006		CF – All gear types			112,499
2007	CF	1,549	CF	0	40,033
2008		CF – All gear types			210,326
2009	239,584	63,551	0	0	303,135
2010	564,567	66,398	0	0	630,965
2011	258,963	96,036	CF	CF	357,322
2012	CF	14,631	37,626	CF	88,878
2013	395,052	25,716	20,018	0	440,785
2014	1,729,086	6,828	0	0	1,735,914
2015	1,053,533	14,881	837	0	1,069,251
2016	1,154,775	57,981	5,245	0	1,218,002
2017	352,566	8,587	171	0	361,324
2018	0	11,079	CF	0	11,079
2019	CF	CF	CF	0	517,520
2020 <sup>a</sup>	0	6,625	29,501	0	36,126
2021	0	7,679	2,912	0	10,591
2022	0	8,371	3,409	0	11,780
2023	0	48,926	0	0	48,926

Notes: Weights reported in whole fish pounds. Discards at sea excluded. CF = confidential; data are confidential when fewer than 3 vessels participated. Total fish pounds do not include confidential data.

<sup>a</sup> No directed parallel Pacific cod fisheries; bycatch only.

Table 7.—South Alaska Peninsula Area Pacific cod harvest, in pounds, by gear type, during parallel fisheries, 1997–2023.

Year	Gear type				Total
	Pot	Longline	Trawl	Jig	
1997	2,068,400	32,624	7,758,378	CF	9,859,402
1998	4,205,388	522,328	3,867,782	0	8,595,498
1999	3,279,793	34,975	5,308,250	0	8,623,018
2000	5,699,112	236,808	6,698,838	11,499	12,646,257
2001	3,272,010	53,184	2,424,221	340,092	6,089,507
2002	6,051,920	30,456	666,876	411,378	7,160,630
2003	12,966,344	60,803	310,012	92,528	13,429,687
2004	12,887,904	30,455	945,983	397,922	14,262,264
2005	6,175,670	566,138	2,835,871	100,691	9,678,370
2006	9,286,910	233,028	6,366,015	CF	15,885,953
2007	6,559,997	426,535	2,483,748	3,300	9,473,580
2008	6,387,463	626,799	863,671	114,599	7,992,532
2009	8,054,281	2,308,330	654,176	417,515	11,434,302
2010	13,229,552	1,605,590	1,691,696	763,299	17,290,137
2011	17,487,423	375,680	765,222	503,458	19,131,783
2012	5,720,700	358,908	2,761,687	567,920	9,409,215
2013	7,851,502	356,391	700,882	674,577	9,583,352
2014	8,551,709	503,917	1,048,900	1,690,458	11,794,984
2015	8,115,335	211,007	707,076	120,803	9,154,221
2016	7,464,402	462,774	2,185,670	114,765	10,227,611
2017	4,164,565	407,498	1,340,668	106,746	6,019,476
2018	691,392	56,093	407,353	274,989	1,429,827
2019	327,056	46,080	719,310	296,219	1,388,665
2020 <sup>a</sup>	CF	16,259	72,807	0	89,066
2021	1,204,644	22,209	542,962	78,777	1,848,592
2022	652,409	23,954	37,905	CF	714,268
2023	350,439	22,970	115,511	291,028	779,947

Notes: Weights reported in whole fish pounds. Discards at sea excluded. CF = confidential; data are confidential in cases where fewer than 3 vessels participated. Total pounds do not include confidential data.

<sup>a</sup> No directed parallel Pacific cod fisheries; bycatch only.

Table 8.—Kodiak, Chignik, and South Alaska Peninsula (SAP) Areas regulatory development for state-waters and parallel Pacific cod fisheries, 1996–2023.

Year	Regulation
1996	<ul style="list-style-type: none"> <li>– Alaska Board of Fisheries developed state-waters Pacific cod management plans for Kodiak, Chignik, and SAP Areas.</li> <li>– Kodiak, Chignik, and SAP Areas established as exclusive registration areas for state-waters fisheries; suspension of exclusivity allowed after October 30.</li> <li>– Kodiak, Chignik, and SAP Areas allowable gear for state-waters established; mechanical jigging machines (5 machines), hand troll, and pots (60 pots); suspension of gear limits allowed after October 30.</li> <li>– Season opening dates established for state-waters fisheries; Kodiak and SAP Areas open 14 days after federal season closure; Chignik Area opens April 15.</li> <li>– Vessel size limits established for Chignik and SAP state-waters fisheries (<math>\leq 58</math> ft); suspension of vessel size limit allowed after October 30.</li> <li>– Kodiak Area state-waters GHJ allocated by gear type (50% pot, 50% jig); allocation rollover allowed after August 31.</li> </ul>
1997	<ul style="list-style-type: none"> <li>– Kodiak, Chignik, and SAP Areas first state-waters fisheries prosecuted.</li> </ul>
1998	<ul style="list-style-type: none"> <li>– Season opening dates changed for state-waters fisheries; Kodiak and SAP Areas open 7 days after federal season closure; Chignik Area opens April 1.</li> <li>– SAP Area state-waters GHJ allocated by gear type (85% pot, 15% jig); allocation rollover allowed after August 31.</li> </ul>
1999	<ul style="list-style-type: none"> <li>– Chignik Area state-waters season opening date changed to April 15.</li> <li>– Chignik Area state-waters GHJ allocated by gear type (85% pot, 15% jig); allocation rollover allowed after August 14.</li> <li>– Chignik Area changed to superexclusive registration area for state-waters fishery.</li> <li>– Kodiak Area pot gear vessels <math>&gt; 58</math> ft harvest capped at 25% of state-waters GHJ prior to September 1.</li> </ul>
2001	<ul style="list-style-type: none"> <li>– State regulation adopted recognizing Steller sea lion haulouts during parallel fisheries.</li> <li>– Chignik Area state-waters season opening date changed to 7 days after federal CGOA closure.</li> </ul>
2002	<ul style="list-style-type: none"> <li>– Vessel monitoring system (VMS) rules implemented during parallel fisheries.</li> <li>– Pot storage requirements liberalized in Kodiak and Chignik Areas for transition period between parallel and state-waters fisheries.</li> <li>– Chignik Area state-waters season opening date changed to March 1.</li> </ul>
2004	<ul style="list-style-type: none"> <li>– Pot storage requirements liberalized in SAP Area for transition period between parallel and state-waters fisheries.</li> </ul>
2005	<ul style="list-style-type: none"> <li>– Chignik Area state-waters GHJ allocation changed (90% pot, 10% jig).</li> </ul>
2007	<ul style="list-style-type: none"> <li>– SAP Area 24-hour weather delay prior to state-waters season opening adopted.</li> <li>– SAP Area mandatory inseason catch reporting by vessels during state-waters fishery adopted.</li> <li>– SAP Area registration requirements changed, prohibiting fishing in another groundfish fishery outside of SAP Area and a portion of Chignik Area.</li> </ul>
2010	<ul style="list-style-type: none"> <li>– SAP Area vessel size limit (<math>\leq 58</math> ft) for parallel fishery adopted.</li> </ul>

-continued-

Table 8.—Page 2 of 2.

Year	Regulation
2011	– Chignik Area vessel size limit ( $\leq 58$ ft) for parallel fishery adopted.
2012	– Kodiak Area state-waters season opening dates changed: pot gear opens 7 days after federal CGOA pot gear A-season closure; jig gear opens 48 hours after federal CGOA jig gear A-season closure. – Chignik Area state-waters season opening dates changed: pot gear opens 7 days after federal CGOA pot gear A-season closure or March 7, whichever is later. – SAP Area state-waters season opening dates changed: pot gear opens 7 days after federal WGOA pot gear A-season closure or March 7, whichever is later, unless delayed by weather. – Kodiak, Chignik and SAP Areas state-waters season closure dates changed: jig gear closes June 8 or later, based on inseason assessment, to allow parallel jig gear season.
2014	– SAP Area state-waters GHl increased to 30% of WGOA ABC. – Chignik Area state-waters season opening dates changed: pot gear opens 7 days after federal CGOA pot gear A-season closure or March 1, whichever is later. – Chignik and SAP Areas pot gear storage regulations changed: vessels may store open and unbaited pots at any depth beginning 7 days prior to state-waters season opening.
2015	– Chignik Area gear limits removal date changed from after October 30 to after August 14.
2016	– Chignik Area reduced waters closed for Steller sea lion haulouts during parallel fishery for vessels that do not possess an FFP.
2017	– Kodiak Area nonexclusive registration area designation date changed from October 30 to June 10 for jig gear vessels.
2018	– Chignik Area state-waters rollover season closure date changed from September 1 to October 30, or when the GHl is attained, whichever occurs first. – SAP Area state-waters season opening weather delay provision removed for vessels using jig gear.
2020	– Kodiak Area state-waters jig gear season opening date changed to January 1. – Kodiak Area state-waters rollover season addition: if it is determined that the jig gear GHl allocation will not be taken by June 10, 50% of the remaining jig gear allocation, as of March 25, may be taken by either pot or jig gear beginning April 1. – Kodiak Area gear limit increased from 5 to 6 mechanical jigging machines.

Notes: SAP = South Alaska Peninsula. GHl = guideline harvest level. CGOA = Central Gulf of Alaska. WGOA = Western Gulf of Alaska. ABC = acceptable biological catch. FFP = Federal Fisheries Permit.

Table 9.—Kodiak, Chignik, and South Alaska Peninsula Areas state-waters Pacific cod effort, guideline harvest level (GHL), harvest in pounds, and value, 2003–2023.

	Year	Vessels	Landings	GHL	Harvest <sup>a</sup>	Price per pound <sup>b</sup>	Exvessel value
Kodiak Area	2003	128	837	7,991,757	8,154,867	\$0.35	\$2,854,203
	2004	156	1,122	9,865,686	10,033,889	\$0.30	\$3,010,167
	2005	158	1,011	9,126,311	8,548,163	\$0.33	\$2,820,894
	2006	113	646	10,436,959	6,330,518	\$0.41	\$2,595,512
	2007	94	639	10,436,959	6,406,965	\$0.52	\$3,331,622
	2008	111	988	10,444,675	10,548,875	\$0.60	\$6,329,325
	2009	130	971	8,686,489	8,591,477	\$0.34	\$2,921,102
	2010	114	880	13,514,888	13,566,306	\$0.27	\$3,662,903
	2011	161	1,168	14,830,496	15,268,123	\$0.36	\$5,496,524
	2012	179	1,356	15,691,401	15,416,530	\$0.37	\$5,704,116
	2013	88	441	13,582,680	7,277,324	\$0.27	\$1,964,877
	2014	100	753	14,633,165	12,347,200	\$0.34	\$4,198,048
	2015	127	1,046	16,898,432	12,180,136	\$0.34	\$4,141,246
	2016	140	931	13,589,294	10,161,895	\$0.33	\$3,353,425
	2017	48	227	12,174,904	3,839,186	\$0.39	\$1,497,283
	2018	20	56	2,237,118	1,166,191	\$0.52	\$606,419
	2019	48	161	2,112,834	2,118,905	\$0.56	\$1,186,587
	2020	37	188	1,515,044	1,518,504	\$0.47	\$713,697
	2021	55	317	3,763,252	3,650,604	\$0.40	\$1,460,242
	2022	50	280	5,443,157	4,913,137	\$0.48	\$2,358,306
	2023	71	275	4,086,777	4,313,195	\$0.46	\$1,984,070
Chignik Area	2003	28	257	4,475,384	4,467,571	\$0.28	\$1,250,920
	2004	28	297	6,905,980	5,750,461	\$0.24	\$1,380,111
	2005	23	250	6,388,418	5,787,543	\$0.25	\$1,446,886
	2006	14	206	7,305,871	3,439,521	\$0.34	\$1,169,437
	2007	16	241	7,305,871	5,700,861	\$0.45	\$2,565,387
	2008	25	265	7,311,273	6,838,934	\$0.56	\$3,829,803
	2009	12	123	6,080,542	5,679,676	\$0.24	\$1,363,122
	2010	17	183	9,460,421	9,153,719	\$0.30	\$2,746,116
	2011	32	244	10,381,347	10,346,856	\$0.31	\$3,207,525
	2012	26	204	10,983,981	10,496,608	\$0.36	\$3,778,779
	2013	19	191	9,507,876	8,712,190	\$0.27	\$2,352,291
	2014	13	157	10,243,216	9,593,269	\$0.29	\$2,782,048
	2015	19	213	11,828,903	10,248,382	\$0.27	\$2,767,063
	2016	10	192	9,512,506	8,482,544	\$0.28	\$2,375,112
	2017	11	103	8,522,432	3,253,854	\$0.32	\$1,041,233
	2018	3	19	1,565,982	1,413,366	\$0.46	\$650,148
	2019	5	24	1,478,983	1,388,727	\$0.52	\$722,138
	2020	4	14	1,060,531	980,178	\$0.39	\$382,269
	2021	5	30	2,634,277	2,344,095	\$0.36	\$843,874
	2022	4	45	3,810,210	2,499,579	\$0.46	\$1,149,806
	2023	1	4	2,860,744	CF	CF	CF

-continued-

Table 9.—Page 2 of 2.

	Year	Vessels	Landings	GHL	Harvest <sup>a</sup>	Price per pound <sup>b</sup>	Exvessel value
South Alaska Peninsula Area	2003	92	604	11,353,806	11,560,663	\$0.27	\$3,121,379
	2004	88	594	12,461,629	12,442,442	\$0.24	\$2,986,186
	2005	74	529	11,527,972	11,436,857	\$0.26	\$2,973,583
	2006	54	386	14,801,285	11,739,736	\$0.38	\$4,461,100
	2007	60	465	14,801,285	12,678,151	\$0.47	\$5,958,731
	2008	97	700	14,292,568	13,302,050	\$0.57	\$7,582,169
	2009	72	514	11,886,774	11,594,124	\$0.25	\$2,898,531
	2010	69	534	15,258,744	15,288,266	\$0.26	\$3,974,949
	2011	82	551	16,744,109	16,806,305	\$0.31	\$5,209,955
	2012	95	644	15,449,995	15,356,768	\$0.34	\$5,221,301
	2013	74	529	15,586,682	15,583,345	\$0.27	\$4,207,503
	2014	73	616	21,657,085	21,949,138	\$0.29	\$6,365,250
	2015	76	759	25,596,991	23,867,585	\$0.28	\$6,682,924
	2016	55	619	26,788,149	22,821,190	\$0.27	\$6,161,721
	2017	49	570	24,002,142	20,196,191	\$0.31	\$6,260,819
	2018	41	182	5,345,273	5,347,934	\$0.42	\$2,246,132
	2019	43	175	5,048,314	5,074,974	\$0.47	\$2,385,238
	2020	32	148	2,124,573	2,051,238	\$0.43	\$882,032
	2021	44	213	5,281,781	4,690,656	\$0.41	\$1,923,169
	2022	41	190	6,575,440	5,813,712	\$0.47	\$2,732,445
	2023	42	247	4,936,540	4,943,863	\$0.46	\$2,274,177
Total harvest	2003	248	1,698	23,820,947	24,183,101	\$0.34	\$8,222,254
	2004	272	2,013	29,233,295	28,226,792	\$0.27	\$7,621,234
	2005	253	1,790	27,042,701	25,772,563	\$0.30	\$7,731,769
	2006	179	1,234	32,544,115	21,509,775	\$0.40	\$8,603,910
	2007	170	1,345	32,544,115	24,785,977	\$0.50	\$12,392,989
	2008	232	1,953	32,048,516	30,689,859	\$0.59	\$18,107,017
	2009	213	1,608	26,653,805	25,865,277	\$0.30	\$7,759,583
	2010	199	1,597	38,234,053	38,008,291	\$0.27	\$10,262,239
	2011	275	1,963	41,955,952	42,421,284	\$0.34	\$14,423,237
	2012	300	2,204	42,125,377	41,269,905	\$0.36	\$14,857,166
	2013	180	1,161	38,677,238	31,572,859	\$0.27	\$8,524,672
	2014	186	1,526	46,533,466	43,889,607	\$0.31	\$13,605,778
	2015	222	2,018	54,324,326	46,296,103	\$0.31	\$14,351,792
	2016	205	1,742	49,889,949	41,465,629	\$0.30	\$12,439,689
	2017	107	900	44,699,478	27,289,230	\$0.33	\$9,005,446
	2018	64	257	9,148,373	7,927,492	\$0.43	\$3,408,822
	2019	96	360	8,640,131	8,582,606	\$0.50	\$4,291,303
	2020	73	350	4,700,148	4,549,920	\$0.42	\$1,910,966
	2021	103	560	11,679,310	10,685,355	\$0.40	\$4,274,142
	2022	95	515	15,828,807	13,226,428	\$0.48	\$6,348,685
	2023	114	526	11,884,061	9,257,058	\$0.46	\$4,258,247

Notes: Weights reported in whole fish pounds. Discards at sea excluded. Totals by area may not match number of vessels by gear type in Tables 10, 13, and 15 because a vessel may use more than one gear type. GHL = guideline harvest level.

<sup>a</sup> Chignik Area jig vessel harvest excluded in 2006, 2008–2010, 2014–2015, 2017, and 2021 due to confidentiality.

<sup>b</sup> Price per pound calculated from sold whole fish pounds.

Table 10.—Kodiak Area state-waters Pacific cod guideline harvest level (GHL), effort, harvest, in pounds and value by gear type, 1997–2023.

Year	Gear	GHL	Vessels	Landings	Harvest <sup>a</sup>	% of GHL harvested	Price per pound <sup>b</sup>	Exvessel value
1997	Jig	4,249,410	72	483	1,976,546	46.5%	\$0.23	\$454,606
	Pot	4,249,410	38	243	5,769,129	135.8%	\$0.22	\$1,269,208
1998	Jig	4,057,608	88	662	2,114,685	52.1%	\$0.23	\$486,378
	Pot	4,057,608	47	310	6,070,139	149.6%	\$0.22	\$1,335,431
1999 <sup>c</sup>	Jig	5,860,989	113	793	2,294,837	39.2%	\$0.38	\$872,038
	Pot	5,860,989	77	471	8,492,710	144.9%	\$0.32	\$2,717,667
2000	Jig	6,000,707	139	1,226	2,814,481	46.9%	\$0.40	\$1,125,792
	Pot	6,000,707	69	481	5,748,334	95.8%	\$0.39	\$2,241,850
2001	Jig	5,325,542	69	433	1,252,692	23.5%	\$0.36	\$450,969
	Pot	5,325,542	34	236	3,591,049	67.4%	\$0.33	\$1,185,046
2002	Jig	4,365,153	51	340	1,389,838	31.8%	\$0.28	\$389,155
	Pot	4,365,153	33	212	7,436,013	170.3%	\$0.29	\$2,156,444
2003	Jig	3,995,878	100	688	3,195,605	80.0%	\$0.35	\$1,118,462
	Pot	3,995,878	42	149	4,959,262	124.1%	\$0.32	\$1,586,964
2004	Jig	4,932,843	120	961	4,210,284	85.4%	\$0.34	\$1,431,497
	Pot	4,932,843	47	161	5,823,605	118.1%	\$0.29	\$1,688,846
2005	Jig	4,563,155	117	849	4,570,327	100.2%	\$0.33	\$1,508,208
	Pot	4,563,155	51	162	3,977,835	87.2%	\$0.30	\$1,193,350
2006	Jig	5,218,480	77	477	1,446,881	27.7%	\$0.43	\$622,159
	Pot	5,218,480	41	169	4,883,637	93.6%	\$0.41	\$2,002,291
2007	Jig	5,218,480	63	457	1,249,753	23.9%	\$0.52	\$649,872
	Pot	5,218,480	33	182	5,157,212	98.8%	\$0.41	\$2,114,457
2008	Jig	5,222,338	76	647	2,042,082	39.1%	\$0.61	\$1,245,670
	Pot	5,222,338	37	341	8,506,792	162.9%	\$0.59	\$5,019,007
2009	Jig	4,343,244	94	833	4,450,423	102.5%	\$0.32	\$1,424,135
	Pot	4,343,244	38	138	4,141,054	95.3%	\$0.32	\$1,325,137
2010	Jig	6,757,444	81	707	6,504,733	96.3%	\$0.30	\$1,951,420
	Pot	6,757,444	36	173	7,061,573	104.5%	\$0.25	\$1,765,393
2011	Jig	7,415,248	132	980	7,135,466	96.2%	\$0.35	\$2,497,413
	Pot	7,415,248	46	190	8,132,657	109.7%	\$0.35	\$2,846,430
2012	Jig	7,845,701	145	1,160	7,938,727	101.2%	\$0.38	\$3,016,716
	Pot	7,845,701	45	196	7,477,802	95.3%	\$0.38	\$2,841,565

-continued-

Table 10.—Page 2 of 2.

Year	Gear	GHL	Vessels	Landings	Harvest <sup>a</sup>	% of GHL harvested	Price per pound <sup>b</sup>	Exvessel value
2013	Jig	6,791,340	55	199	587,942	8.7%	\$0.26	\$152,865
	Pot	6,791,340	34	242	6,689,382	98.5%	\$0.26	\$1,739,239
2014	Jig	7,316,583	77	520	3,170,713	43.3%	\$0.35	\$1,109,750
	Pot	7,316,583	28	233	9,176,488	125.4%	\$0.30	\$2,752,946
2015	Jig	8,449,216	100	809	3,879,512	45.9%	\$0.36	\$1,396,624
	Pot	8,449,216	30	236	8,300,600	98.2%	\$0.34	\$2,822,204
2016	Jig	6,794,647	108	747	3,327,887	49.0%	\$0.35	\$1,164,760
	Pot	6,794,647	36	184	6,834,008	100.6%	\$0.33	\$2,255,223
2017	Jig	6,087,452	23	50	101,991	1.7%	\$0.41	\$41,816
	Pot	6,087,452	25	177	3,737,195	61.4%	\$0.39	\$1,457,506
2018	Jig	1,118,559	10	21	29,016	2.6%	\$0.50	\$14,508
	Pot	1,118,559	10	35	1,137,175	101.7%	\$0.52	\$591,331
2019	Jig	1,056,417	33	101	363,646	34.4%	\$0.59	\$214,551
	Pot	1,056,417	16	60	1,755,259	166.2%	\$0.56	\$982,945
2020	Jig	757,522	30	156	682,291	90.1%	\$0.50	\$341,146
	Pot	757,522	7	32	836,213	110.4%	\$0.44	\$367,934
2021	Jig	1,881,626	45	264	1,752,630	93.1%	\$0.42	\$736,105
	Pot	1,881,626	10	53	1,897,975	100.9%	\$0.39	\$740,210
2022	Jig	2,721,579	36	209	1,629,439	59.9%	\$0.50	\$814,720
	Pot	2,721,579	16	71	3,283,698	120.7%	\$0.48	\$1,576,175
2023	Jig	2,043,389	55	227	2,138,128	104.6%	\$0.46	\$983,539
	Pot	2,043,389	16	48	2,175,067	106.4%	\$0.45	\$978,780

Notes: Weights reported in whole fish pounds. Discards at sea excluded.

<sup>a</sup> Harvest may include landings made after allocation rollovers.

<sup>b</sup> Price per pound calculated from sold whole fish pounds.

<sup>c</sup> Beginning in 1999, vessels >58 ft using pot gear are capped at 25% of the total GHL prior to September 1.

Table 11.—Pacific cod effort and harvest in pounds by statistical area, from the Kodiak Area state-waters season, 2023.

Statistical area	Vessels	Landings <sup>a</sup>	Harvest
525733	27	56	569,244
525703	26	62	1,050,608
525701	25	55	567,394
525731	16	25	92,270
525806	14	24	204,622
515801	8	11	155,877
535631	7	10	103,379
535734	5	8	210,554
535803	4	8	260,503
535732	4	8	192,644
535703	4	4	53,546
545632	3	4	60,980
535634	3	3	23,716
Other <sup>b</sup>	10	19	767,856
Total	71	275	4,313,195

Notes: Weights reported in whole fish pounds. Discards at sea excluded.  
Kodiak Area state-waters statistical areas for groundfish can be found in Appendix B1.

<sup>a</sup> Landings may involve multiple statistical areas.

<sup>b</sup> A total of 10 statistical areas combined due to confidentiality.

Table 12.—Kodiak Area state-waters Pacific cod fishery dates and management actions, by gear type, 1997–2023.

Year	Fishery dates and management actions	
1997	<i>Pot gear fishery dates:</i> April 4–May 4 September 1–December 31 <i>Management actions:</i> May 4 - Pot gear season closed when GHL was attained September 1 – Allocation rollover; pot gear season reopened October 31 – Gear limits and exclusive vessel registration removed	<i>Jig gear fishery dates:</i> April 4–December 31
1998	<i>Pot gear fishery dates:</i> March 17–April 27 September 1–December 31 <i>Management actions:</i> April 27 – Pot gear season closed when GHL was attained September 1 – Allocation rollover; pot gear season reopened October 31 – Gear limits and exclusive vessel registration removed	<i>Jig gear fishery dates:</i> March 17–December 31
1999	<i>Pot gear fishery dates:</i> March 21–April 29 October 5–December 31 <i>Management actions:</i> April 29 – Pot gear season closed when GHL was attained September 1 – Jig gear season closed for parallel B season October 5 – Pot and jig gear seasons reopened following federal CGOA B-season closure October 31 – Gear limits and exclusive vessel registration removed	<i>Jig gear fishery dates:</i> March 21–September 1 October 5–December 31
2000	<i>Pot gear fishery dates:</i> March 11–December 31 <i>Management actions:</i> October 31 – Gear limits and exclusive vessel registration removed	<i>Jig gear fishery dates:</i> March 11–December 31
2001	<i>Pot gear fishery dates:</i> March 11–December 31 <i>Management actions:</i> October 31 – Allocation rollover; gear limits and exclusive vessel registration removed	<i>Jig gear fishery dates:</i> March 11–December 31
2002	<i>Pot gear fishery dates:</i> March 16–May 4 September 1–December 31 <i>Management actions:</i> May 4 – Pot gear season closed when GHL was attained September 1 – Allocation rollover; pot gear season reopened October 31 – Gear limits and exclusive vessel registration removed	<i>Jig gear fishery dates:</i> March 16–December 31

-continued-

Table 12.–Page 2 of 5.

Year	Fishery dates and management actions	
2003	<i>Pot gear fishery dates:</i> February 16–March 2 <i>Management actions:</i> March 2 – Pot gear season closed when GHL was attained May 9 – Jig gear season closed when GHL was attained	<i>Jig gear fishery dates:</i> February 16–May 9
2004	<i>Pot gear fishery dates:</i> February 7–February 22 <i>Management actions:</i> February 22 – Pot gear season closed when GHL was attained April 20 – Jig gear season closed when GHL was attained	<i>Jig gear fishery dates:</i> February 7–April 20
2005	<i>Pot gear fishery dates:</i> February 2–February 13 <i>Management actions:</i> February 13 – Pot gear season closed when GHL was attained April 21 – Jig gear season closed when GHL was attained	<i>Jig gear fishery dates:</i> February 2–April 21
2006	<i>Pot gear fishery dates:</i> March 7–March 29 <i>Management actions:</i> March 29 – Pot gear season closed when GHL was attained September 1 – Jig gear season closed for parallel B season	<i>Jig gear fishery dates:</i> March 7–September 1
2007	<i>Pot gear fishery dates:</i> March 6–April 8 <i>Management actions:</i> April 8 – Pot gear season closed when GHL was attained September 1 – Jig gear season closed for parallel B season	<i>Jig gear fishery dates:</i> March 6–September 1
2008	<i>Pot gear fishery dates:</i> February 27–March 26 October 5–November 22 <i>Management actions:</i> March 26 – Pot gear season closed when GHL was attained September 1 – Jig gear season closed for parallel B season October 5 – Allocation rollover; pot and jig gear seasons reopened following federal CGOA B-season closure November 22 – Pot and jig gear seasons closed when GHL was attained	<i>Jig gear fishery dates:</i> February 27–September 1 October 5–November 22
2009	<i>Pot gear fishery dates:</i> February 3–February 18 <i>Management actions:</i> February 18 – Pot gear season closed when GHL was attained September 1 – Jig gear season closed for parallel B season October 3 – Jig gear season reopened following federal CGOA B season closure	<i>Jig gear fishery dates:</i> February 3–September 1 October 3–December 31

-continued-

Table 12.–Page 3 of 5.

Year	Fishery dates and management actions	
2010	<i>Pot gear fishery dates:</i> February 7–February 23 <i>Management actions:</i> February 23 – Pot gear season closed when GHL was attained June 5 – Jig gear season closed when GHL was attained	<i>Jig gear fishery dates:</i> February 7–June 5
2011	<i>Pot gear fishery dates:</i> February 5–February 18 <i>Management actions:</i> February 18 – Pot gear season closed when GHL was attained April 14 – Jig gear season closed when GHL was attained	<i>Jig gear fishery dates:</i> February 5–April 14
2012	<i>Pot gear fishery dates:</i> February 17–March 1 <i>Management actions:</i> March 1 – Pot gear season closed when GHL was attained May 23 – Jig gear season closed when GHL was attained October 12 – Allocation rollover; jig gear season reopened following federal CGOA B-season closure	<i>Jig gear fishery dates:</i> March 8–May 23 October 12–December 31
2013	<i>Pot gear fishery dates:</i> February 17–April 2 <i>Management actions:</i> April 2 – Pot gear season closed when GHL was attained October 29 – Exclusive vessel registration for jig gear removed	<i>Jig gear fishery dates:</i> March 15–December 31
2014	<i>Pot gear fishery dates:</i> February 20–March 19 November 10–December 31 <i>Management actions:</i> March 19 – Pot gear season closed when GHL was attained November 10 – Allocation rollover; pot gear season reopened following federal CGOA B-season closure; gear limits and exclusive vessel registration removed	<i>Jig gear fishery dates:</i> March 15–December 31
2015	<i>Pot gear fishery dates:</i> February 23–March 24 <i>Management actions:</i> March 24 – Pot gear season closed when GHL was attained	<i>Jig gear fishery dates:</i> March 4–December 31
2016	<i>Pot gear fishery dates:</i> February 8–February 26 <i>Management actions:</i> February 26 – Pot gear season closed when GHL was attained	<i>Jig gear fishery dates:</i> March 3–December 31
2017	<i>Pot gear fishery dates:</i> March 2–September 1 <i>Management actions:</i> September 1 – Pot gear season closed to coordinate with parallel B-season opening	<i>Jig gear fishery dates:</i> March 15–December 31

-continued-

Table 12.–Page 4 of 5.

Year	Fishery dates and management actions	
2018	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	February 21–March 23	January 1–December 31
	<i>Management actions:</i>	
	March 3 – Pot gear season closed for vessels greater than 58 ft in overall length when the harvest cap for vessels greater than 58 ft in overall length was attained March 23 – Pot gear season closed when GHL was attained	
2019	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	February 3–February 15 October 12–December 16	March 12–December 16
	<i>Management actions:</i>	
	February 11 – Pot gear season closed for vessels greater than 58 ft in overall length when the harvest cap for vessels greater than 58 ft in overall length was attained February 15 – Pot gear season closed when GHL was attained October 12 – Allocation rollover; pot gear season reopened December 16 – Pot and jig gear seasons closed when GHL was attained	
2020	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	February 24–March 11 November 23–December 31	January 1–December 31
	<i>Management actions:</i>	
	March 11 – Pot gear season closed when GHL was attained October 1 – Exclusive vessel registration for jig gear removed November 23 – Allocation rollover; pot gear season reopened December 29 – Gear limits removed	
2021	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	January 29–February 27	January 1–December 31
	<i>Management actions:</i>	
	February 18 – Pot gear season closed for vessels greater than 58 ft in overall length when the harvest cap for vessels greater than 58 ft in overall length was attained February 27 – Pot gear season closed when GHL was attained	
2022	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	February 23–March 10 April 1–September 1	January 1–December 31
	<i>Management actions:</i>	
	March 8 – Pot gear season closed for vessels greater than 58 feet in overall length when the harvest cap for vessels greater than 58 ft in overall length was attained March 10 – Pot gear season closed when GHL was attained April 1 – Allocation rollover; pot gear season reopened September 1 – Pot gear season closed to coordinate with parallel B-season opening	

-continued-

Table 12.–Page 5 of 5.

Year	Fishery dates and management actions	
2023	<i>Pot gear fishery dates:</i> March 5–March 15 <i>Management actions:</i> March 15 - Pot gear season closed when GHL was attained April 22 - Jig gear season closed when GHL was attained	<i>Jig gear fishery dates:</i> January 1–April 22

Notes: GHL = guideline harvest level. CGOA = Central Gulf of Alaska.

Table 13.—Chignik Area state-waters Pacific cod guideline harvest level (GHL), effort, harvest in pounds, and value, by gear type, 1997–2023.

Year	Gear	GHL	Vessels	Landings	Harvest <sup>a</sup>	% of GHL harvested	Price per pound <sup>b</sup>	Exvessel value
1997	Jig	5,949,174 <sup>c</sup>	4	14	35,002	19.1%	\$0.18	\$6,300
	Pot		10	60	1,098,970		\$0.18	\$197,815
1998	Jig	5,680,652 <sup>c</sup>	11	59	167,283	98.7%	\$0.18	\$30,111
	Pot		32	236	5,440,796		\$0.17	\$924,935
1999	Jig	8,205,384 <sup>c</sup>	11	56	218,408	78.3%	\$0.32	\$69,891
	Pot		32	396	6,207,176		\$0.29	\$1,800,081
2000	Jig	1,008,119	5	12	38,453	3.8%	\$0.31	\$11,920
	Pot	5,712,673	20	151	1,756,305	30.7%	\$0.30	\$526,892
2001	Jig	894,691	13	55	277,411	31.0%	\$0.27	\$74,901
	Pot	5,069,916	15	124	2,371,243	46.8%	\$0.26	\$616,523
2002	Jig	733,346	14	59	324,199	44.2%	\$0.20	\$64,840
	Pot	4,155,625	12	139	3,903,320	93.9%	\$0.20	\$780,664
2003	Jig	671,308	16	106	433,067	64.5%	\$0.28	\$121,259
	Pot	3,804,076	15	151	4,034,504	106.1%	\$0.26	\$1,048,971
2004	Jig	1,035,897	14	53	141,697	13.7%	\$0.24	\$34,007
	Pot	5,870,083	17	244	5,608,763	95.5%	\$0.23	\$1,290,016
2005	Jig	638,842	9	44	136,948	21.4%	\$0.24	\$32,868
	Pot	5,749,576	15	206	5,650,595	98.3%	\$0.25	\$1,412,649
2006	Jig	730,587	2	4	CF	CF	CF	CF
	Pot	6,575,284	12	202	3,439,521	52.3%	\$0.34	\$1,169,437
2007	Jig	730,587	0	0	0	0.0%	ND	ND
	Pot	6,575,284	16	241	5,700,861	86.7%	\$0.45	\$2,565,387
2008	Jig	731,127	2	3	CF	CF	CF	CF
	Pot	6,580,145	23	262	6,838,934	103.9%	\$0.56	\$3,829,803
2009	Jig	608,054	1	1	CF	CF	CF	CF
	Pot	5,472,488	11	122	5,679,676	103.8%	\$0.24	\$1,363,122
2010	Jig	946,042	2	24	CF	CF	CF	CF
	Pot	8,514,379	15	160	9,153,719	107.5%	\$0.24	\$2,196,893
2011	Jig	1,038,135	10	45	224,400	21.6%	\$0.32	\$71,808
	Pot	9,343,213	23	199	10,122,456	108.3%	\$0.32	\$3,239,186
2012	Jig	1,098,398	6	15	266,639	24.3%	\$0.30	\$79,992
	Pot	9,885,583	20	189	10,229,969	103.5%	\$0.35	\$3,580,489

-continued-

Table 13.—Page 2 of 2.

Year	Gear	GHL	Vessels	Landings	Harvest <sup>a</sup>	% of GHL harvested	Price per pound <sup>b</sup>	Exvessel value
2013	Jig	950,788	0	0	0	0.0%	ND	ND
	Pot	8,557,088	19	191	8,712,190	101.8%	\$0.25	\$2,178,048
2014	Jig	1,024,322	2	3	CF	CF	CF	CF
	Pot	9,218,894	12	154	9,593,269	104.1%	\$0.28	\$2,686,115
2015	Jig	1,182,890	2	6	CF	CF	CF	CF
	Pot	10,646,013	17	207	10,248,382	96.3%	\$0.27	\$2,767,063
2016	Jig	951,251	0	0	0	0.0%	ND	ND
	Pot	8,561,255	10	192	8,482,544	99.1%	\$0.28	\$2,375,112
2017	Jig	852,243	1	2	CF	CF	CF	CF
	Pot	7,670,189	10	101	3,253,854	42.4%	\$0.32	\$1,041,233
2018	Jig	156,598	0	0	0	0.0%	ND	ND
	Pot	1,409,384	3	19	1,413,366	100.3%	\$0.46	\$650,148
2019	Jig	147,898	0	0	0	0.0%	ND	ND
	Pot	1,331,085	5	24	1,388,727	104.3%	\$0.52	\$722,138
2020	Jig	106,053	0	0	0	0.0%	ND	ND
	Pot	954,478	4	14	980,178	102.7%	\$0.39	\$382,269
2021	Jig	263,428	1	1	CF	CF	CF	CF
	Pot	2,370,849	4	29	2,344,095	98.9%	\$0.34	\$796,992
2022	Jig	381,021	0	0	0	0.0%	ND	ND
	Pot	3,429,189	4	45	2,499,579	72.9%	\$0.44	\$1,099,815
2023	Jig	286,074	0	0	0	0.0%	ND	ND
	Pot	2,574,670	1	4	CF	CF	CF	CF

Notes: Weights reported in whole fish pounds. Discards at sea excluded. ND = no data. CF = confidential; data are confidential when fewer than 3 vessels participated.

<sup>a</sup> Harvest may include landings made after allocation rollovers.

<sup>b</sup> Price per pound calculated from sold whole fish pounds.

<sup>c</sup> Total GHL; no GHL allocation by gear type during 1997–1999 seasons.

Table 14.–Chignik Area state-waters Pacific cod fishery dates and management actions, by gear type, 1997–2023.

Year	Fishery dates and management actions	
1997	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	April 15–June 15	April 15–June 15
	August 1–December 31	August 1–December 31
	<i>Management actions:</i>	
	August 1 – Pot and jig gear seasons reopened to harvest remaining GHL	
	October 31 – Vessel size limit, gear limits, and exclusive vessel registration removed	
1998	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	April 1–April 26	April 1–April 26
		May 20–December 31
	<i>Management actions:</i>	
	April 26 – Pot and jig gear seasons closed when pot GHL was attained	
	May 20 – Jig gear season reopened	
1999	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	April 15–September 1	April 15–September 1
	October 5–December 31	October 5–December 31
	<i>Management actions:</i>	
	September 1 – Pot and jig gear seasons closed for parallel B season	
	October 5 – Pot and jig gear seasons reopened following federal CGOA B-season closure	
	October 31 – Vessel size limit, gear limits and exclusive vessel registration removed	
2000	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	April 15–December 31	April 15–December 31
	<i>Management actions:</i>	
	October 31 – Vessel size limit and gear limits removed	
2001	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 11–December 31	March 11–December 31
	<i>Management actions:</i>	
	October 31 – Vessel size limit and gear limits removed	
2002	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 1–December 31	March 1–December 31
	<i>Management actions:</i>	
	October 31 – Vessel size limit and gear limits removed	
2003	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 1–April 11	March 1–June 4
	<i>Management actions:</i>	
	April 11 – Pot gear season closed when GHL was attained	
	June 4 – Jig gear season closed when GHL was attained	

-continued-

Table 14.–Page 2 of 5.

Year	Fishery dates and management actions	
2004	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 1–May 13	March 1–December 31
	August 15–December 31	
	<i>Management actions:</i>	
	May 13 – Pot gear season closed when GHL was attained	
	August 15 – Allocation rollover; pot gear season reopened	
	October 31 – Vessel size limit and gear limits removed	
2005	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 1–May 10	March 1–December 31
	August 15–December 31	
	<i>Management actions:</i>	
	May 10 – Pot gear season closed when GHL was attained	
	August 15 – Allocation rollover; pot gear season reopened	
	October 31 – Vessel size limit and gear limits removed	
2006	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 1–September 1	March 1–September 1
	<i>Management actions:</i>	
	August 15 – Allocation rollover	
	September 1 – Pot and jig gear seasons closed for parallel B season	
2007	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 1–September 1	March 1–September 1
	<i>Management actions:</i>	
	August 15 – Allocation rollover	
	September 1 – Pot and jig gear seasons closed for parallel B season	
2008	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 1–April 17	March 1–September 1
	August 15–September 1	October 5–December 31
	October 5–December 31	
	<i>Management actions:</i>	
	April 17 – Pot gear season closed when GHL was attained	
	August 15 – Allocation rollover; pot gear season reopened	
	September 1 – Pot and jig gear seasons closed for parallel B season	
	October 5 – Pot and jig gear seasons reopened following federal CGOA B-season closure	
	November 4 – Vessel size limit and gear limits removed	

-continued-

Table 14.–Page 3 of 5.

Year	Fishery dates and management actions	
2009	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 1–April 8	March 1–September 1
	August 15–September 1	October 3–December 31
	October 3–December 31	
	<i>Management actions:</i>	
	April 8 – Pot gear season closed when GHL was attained	
	August 15 – Allocation rollover; pot gear season reopened	
	September 1 – Pot and jig gear seasons closed for parallel B season	
	October 3 – Pot and jig gear seasons reopened following federal CGOA B-season closure	
2010	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 1–April 6	March 1–September 1
	August 15–September 1	September 13–December 31
	September 13–December 31	
	<i>Management actions:</i>	
	April 6 – Pot gear season closed when GHL was attained	
	August 15 – Allocation rollover; pot gear season reopened	
	September 1 – Pot and jig gear seasons closed for parallel B season	
	September 13 – Pot and jig gear seasons reopened following federal CGOA B-season closure	
2011	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 1–March 17	March 1–September 1
	August 15–September 1	October 9–December 31
	October 9–December 31	
	<i>Management actions:</i>	
	March 17 – Pot gear season closed when GHL was attained	
	August 15 – Allocation rollover; pot gear season reopened	
	September 1 – Pot and jig gear seasons closed for parallel B season	
	October 9 – Pot and jig gear seasons reopened following federal CGOA B-season closure	
2012	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 7–March 28	March 15–June 10
	October 12–December 31	June 29–December 31
	<i>Management actions:</i>	
	March 28 – Pot gear season closed when GHL was attained	
	June 10 – Jig gear seasons closed for parallel B season	
	June 29 – Jig gear season reopened following federal CGOA jig B season-closure	
	October 12 – Allocation rollover; pot gear season reopened following federal CGOA pot B-season closure	
2013	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 7–March 29	March 15–December 31
	<i>Management actions:</i>	
	March 29 – Pot gear season closed when GHL was attained	

-continued-

Table 14.–Page 4 of 5.

Year	Fishery dates and management actions	
2014	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 1–March 19	March 15–December 31
	August 15–October 7	
	<i>Management actions:</i>	
	March 19 – Pot gear season closed when GHL was attained	
	August 15 – Allocation rollover; pot gear season reopened	
	October 7 – Pot gear seasons closed for parallel B season	
2015	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 1–March 23	March 15–December 31
	August 15–December 31	
	<i>Management actions:</i>	
	March 23 – Pot gear season closed when GHL was attained	
	August 15 – Allocation rollover; pot gear season reopened	
2016	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 1–April 16	March 15–December 31
	August 15–December 31	
	<i>Management actions:</i>	
	April 16 – Pot gear season closed when GHL was attained	
	August 15 – Allocation rollover; pot gear season reopened	
2017	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 2–December 31	March 15–December 31
	<i>Management actions:</i>	
	August 15 – Allocation rollover	
2018	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 2–March 24	March 15–December 31
	August 15–December 31	
	<i>Management actions:</i>	
	March 24 – Pot gear season closed when GHL was attained	
	August 15 – Allocation rollover; pot gear season reopened	
2019	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 1–March 13	March 15–December 31
	August 15–October 30	
	<i>Management actions:</i>	
	March 13 – Pot gear season closed when GHL was attained	
	August 15 – Allocation rollover; pot gear season reopened and gear limits removed	
2020	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 1–March 13	March 15–December 31
	August 15–December 31	
	<i>Management actions:</i>	
	March 13 – Pot gear season closed when GHL was attained	
	August 15 – Allocation rollover; pot gear season reopened	

-continued-

Table 14.–Page 5 of 5.

Year	Fishery dates and management actions	
2021	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 1–April 9	March 15–December 31
	August 15–December 31	
	<i>Management actions:</i>	
	April 9 – Pot gear season closed when GHL was attained	
	August 15 – Allocation rollover; pot gear season reopened and gear limits removed	
2022	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 1–December 31	March 15–December 31
	<i>Management actions:</i>	
	August 15 – Allocation rollover and gear limits lifted	
	November 3 – Vessel size limit lifted	
2023	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 5–December 31	March 15–December 31
	<i>Management actions:</i>	
	August 15 – Allocation rollover and gear limits lifted	
	October 31 – Vessel size limit lifted	

Notes: GHL = guideline harvest level. CGOA = Central Gulf of Alaska.

Table 15.—South Alaska Peninsula Area state-waters Pacific cod guideline harvest level (GHL), effort, harvest in pounds, and value, by gear type, 1997–2023.

Year	Gear	GHL	Vessels	Landings	Harvest <sup>a</sup>	% of GHL harvested	Price per pound <sup>b</sup>	Exvessel value
1997	Jig	9,424,762 <sup>c</sup>	43	178	349,468	100.2%	\$0.17	\$59,410
	Pot		51	469	9,097,805		\$0.19	\$1,728,583
1998	Jig	1,352,205	29	126	438,320	32.4%	\$0.16	\$70,131
	Pot	7,662,497	49	309	8,192,803	106.9%	\$0.17	\$1,392,777
1999	Jig	1,953,737	25	166	706,952	36.2%	\$0.29	\$205,016
	Pot	11,071,174	52	388	11,115,028	100.4%	\$0.26	\$2,889,907
2000	Jig	2,273,517	28	145	757,953	33.3%	\$0.28	\$212,227
	Pot	12,883,263	65	505	14,286,151	110.9%	\$0.30	\$4,285,845
2001	Jig	2,017,230	69	417	3,402,427	168.7%	\$0.24	\$816,582
	Pot	11,430,968	55	311	10,421,593	91.2%	\$0.25	\$2,605,398
2002	Jig	1,857,257	63	318	2,045,894	110.2%	\$0.24	\$491,015
	Pot	10,524,455	49	276	10,669,572	101.4%	\$0.21	\$2,240,610
2003	Jig	1,703,071	65	413	3,633,007	213.3%	\$0.27	\$980,912
	Pot	9,650,736	41	191	7,927,656	82.1%	\$0.27	\$2,140,467
2004	Jig	1,869,244	51	317	1,671,461	89.4%	\$0.23	\$384,436
	Pot	10,592,385	43	277	10,770,980	101.7%	\$0.23	\$2,477,325
2005	Jig	1,729,196	40	262	1,230,517	71.2%	\$0.25	\$307,629
	Pot	9,798,776	39	267	10,206,340	104.2%	\$0.25	\$2,551,585
2006	Jig	2,220,193	12	36	99,552	4.5%	\$0.36	\$35,839
	Pot	12,581,092	43	350	11,640,183	92.5%	\$0.36	\$4,190,466
2007	Jig	2,220,193	14	59	254,178	11.4%	\$0.47	\$119,464
	Pot	12,581,092	46	406	12,423,973	98.8%	\$0.47	\$5,839,267
2008	Jig	2,143,885	52	310	1,401,011	65.3%	\$0.57	\$798,576
	Pot	12,148,683	48	390	11,901,039	98.0%	\$0.56	\$6,664,582
2009	Jig	1,783,016	26	185	1,093,382	61.3%	\$0.23	\$251,478
	Pot	10,103,758	47	329	10,500,742	103.9%	\$0.26	\$2,730,193
2010	Jig	2,288,812	34	294	2,315,081	101.1%	\$0.25	\$578,770
	Pot	12,969,933	38	240	12,973,186	100.0%	\$0.25	\$3,243,297
2011	Jig	2,511,616	42	271	2,443,043	97.3%	\$0.28	\$684,052
	Pot	14,232,492	49	280	14,363,262	100.9%	\$0.29	\$4,165,346
2012	Jig	2,317,499	48	345	1,989,884	85.9%	\$0.34	\$676,561
	Pot	13,132,496	53	299	13,366,884	101.8%	\$0.34	\$4,544,741

-continued-

Table 15.—Page 2 of 2.

Year	Gear	GHL	Vessels	Landings	Harvest <sup>a</sup>	% of GHL harvested	Price per pound <sup>b</sup>	Exvessel value
2013	Jig	2,338,002	38	281	2,198,511	94.0%	\$0.27	\$593,598
	Pot	13,248,680	37	248	13,384,834	101.0%	\$0.27	\$3,613,905
2014	Jig	3,248,563	39	295	3,143,144	96.8%	\$0.28	\$880,080
	Pot	18,408,522	38	321	18,805,994	102.2%	\$0.29	\$5,453,738
2015	Jig	3,839,549	35	323	2,215,841	57.7%	\$0.27	\$598,277
	Pot	21,757,443	42	436	21,651,744	99.5%	\$0.28	\$6,062,488
2016	Jig	4,018,222	17	121	430,479	10.7%	\$0.27	\$116,229
	Pot	22,769,927	38	498	22,390,711	98.3%	\$0.27	\$6,045,492
2017	Jig	3,600,321	7	24	54,935	1.5%	\$0.31	\$17,030
	Pot	20,401,820	42	546	20,141,256	98.7%	\$0.31	\$6,243,789
2018	Jig	801,791	17	84	390,736	48.7%	\$0.41	\$160,202
	Pot	4,543,482	25	99	4,958,500	109.1%	\$0.42	\$2,082,570
2019	Jig	757,247	21	82	358,447	47.3%	\$0.48	\$172,055
	Pot	4,291,067	24	93	4,716,527	109.9%	\$0.47	\$2,216,768
2020	Jig	318,686	15	94	375,110	117.7%	\$0.40	\$150,044
	Pot	1,805,887	19	54	1,676,128	92.8%	\$0.42	\$703,974
2021	Jig	792,267	18	124	637,494	80.5%	\$0.39	\$248,623
	Pot	4,489,514	28	89	4,053,162	90.3%	\$0.41	\$1,661,796
2022	Jig	986,316	10	55	516,879	52.4%	\$0.48	\$248,102
	Pot	5,589,124	31	135	5,296,833	94.8%	\$0.47	\$2,489,512
2023	Jig	740,481	21	169	963,863	130.2%	\$0.46	\$443,377
	Pot	4,196,059	21	78	3,980,000	94.9%	\$0.46	\$1,830,800

Notes: Weights reported in whole fish pounds. Discards at sea excluded.

<sup>a</sup> Harvest may include landings made after allocation rollovers.

<sup>b</sup> Price per pound calculated from sold whole fish pounds.

<sup>c</sup> Total GHL; no GHL allocation by gear type during 1997 season.

Table 16.—Pacific cod effort and harvest in pounds by statistical area from the South Alaska Peninsula Area state-waters season, 2023.

Statistical area	Vessels	Landings <sup>a</sup>	Harvest
605504	16	66	428,970
605507	15	73	255,973
635434	10	31	1,347,890
605501	10	20	124,107
605502	9	29	1,615,983
635436	4	5	323,817
Other <sup>b</sup>	11	33	847,124
Total	42	247	4,943,863

*Notes:* Weights reported in whole fish pounds. Discards at sea excluded.  
South Alaska Peninsula Area state-waters statistical areas for groundfish can be found in Appendix B3.

<sup>a</sup> Some landings include multiple statistical areas.

<sup>b</sup> Total of 13 statistical areas combined due to confidentiality.

Table 17.—South Alaska Peninsula Area state-waters Pacific cod fishery dates and management actions, by gear type, 1997–2023.

Year	Fishery dates and management actions	
1997	<i>Pot gear fishery dates:</i> April 4–December 22 <i>Management actions:</i> October 31 – Vessel size limit, gear limits, and exclusive vessel registration removed December 22 – Pot and jig gear seasons closed when GHL was attained	<i>Jig gear fishery dates:</i> April 4–December 22
1998	<i>Pot gear fishery dates:</i> March 10–April 16 <i>Management actions:</i> April 16 – Pot gear season closed when GHL was attained	<i>Jig gear fishery dates:</i> March 10–December 31
1999	<i>Pot gear fishery dates:</i> March 15–April 11 October 31–December 31 <i>Management actions:</i> April 11 – Pot gear season closed when GHL was attained October 31 – Allocation rollover; reopened pot gear season November 10 – Gear limits removed	<i>Jig gear fishery dates:</i> March 15–December 31
2000	<i>Pot gear fishery dates:</i> March 11–April 8 <i>Management actions:</i> April 8 – Pot gear season closed when GHL was attained September 19 – Jig gear season closed when GHL was attained	<i>Jig gear fishery dates:</i> March 11–September 19
2001	<i>Pot gear fishery dates:</i> March 6–April 13 <i>Management actions:</i> April 13 – Pot gear season closed when GHL was attained June 12 – Jig gear season closed when GHL was attained	<i>Jig gear fishery dates:</i> March 6–June 12
2002	<i>Pot gear fishery dates:</i> March 5–March 24 <i>Management actions:</i> March 24 – Pot gear season closed when GHL was attained April 26 – Jig gear season closed when GHL was attained	<i>Jig gear fishery dates:</i> March 5–April 26
2003	<i>Pot gear fishery dates:</i> February 24–March 11 <i>Management actions:</i> March 11 – Pot gear season closed when GHL was attained April 22 – Jig gear season closed when GHL was attained	<i>Jig gear fishery dates:</i> February 24–April 22

-continued-

Table 17.–Page 2 of 4.

Year	Fishery dates and management actions	
2004	<i>Pot gear fishery dates:</i> March 2–March 24 <i>Management actions:</i> March 24 – Pot gear season closed when GHL was attained April 14 – Jig gear season closed when GHL was attained	<i>Jig gear fishery dates:</i> March 2–April 14
2005	<i>Pot gear fishery dates:</i> March 3–March 24 <i>Management actions:</i> March 24 – Pot gear season closed when GHL was attained September 1 – Jig gear season closed for parallel B season	<i>Jig gear fishery dates:</i> March 3–September 1
2006	<i>Pot gear fishery dates:</i> March 9–March 29 April 4–April 7 <i>Management actions:</i> March 29 – Pot gear season closed when GHL was expected to be attained April 4 – Pot gear season reopened April 7 – Pot gear season closed when GHL was attained September 1 – Jig gear season closed for parallel B season	<i>Jig gear fishery dates:</i> March 9–September 1
2007	<i>Pot gear fishery dates:</i> March 15–April 17 <i>Management actions:</i> April 17 – Pot gear season closed when GHL was attained September 1 – Jig gear season closed for parallel B season	<i>Jig gear fishery dates:</i> March 15–September 1
2008	<i>Pot gear fishery dates:</i> March 7–April 1 <i>Management actions:</i> April 1 – Pot gear season closed when GHL was attained September 1 – Jig gear season closed for parallel B season	<i>Jig gear fishery dates:</i> March 7–September 1
2009	<i>Pot gear fishery dates:</i> March 4–April 4 <i>Management actions:</i> April 4 – Pot gear season closed when GHL was attained September 1 – Jig gear season closed for parallel B season	<i>Jig gear fishery dates:</i> March 4–September 1
2010	<i>Pot gear fishery dates:</i> March 5–March 23 <i>Management actions:</i> March 23 – Pot gear season closed when GHL was attained May 27 – Jig gear season closed when GHL was attained	<i>Jig gear fishery dates:</i> March 5–May 27

-continued-

Table 17.–Page 3 of 4.

Year	Fishery dates and management actions	
2011	<i>Pot gear fishery dates:</i> February 25–March 11 <i>Management actions:</i> March 11 – Pot gear season closed when GHL was attained April 26 – Jig gear season closed when GHL was attained	<i>Jig gear fishery dates:</i> February 25–April 26
2012	<i>Pot gear fishery dates:</i> March 7–March 22 <i>Management actions:</i> March 21 – Jig gear season opened; weather delay March 19–20 March 22 – Pot gear season closed when GHL was attained June 10 – Jig gear season closed for parallel B season	<i>Jig gear fishery dates:</i> March 21–June 10
2013	<i>Pot gear fishery dates:</i> March 9–March 22 <i>Management actions:</i> March 9 – Pot gear season opened; weather delay March 7 and 8 March 22 – Pot gear season closed when GHL was attained July 16 – Jig gear season closed for parallel B season	<i>Jig gear fishery dates:</i> March 15–July 16
2014	<i>Pot gear fishery dates:</i> March 7–March 24 <i>Management actions:</i> March 20 – Jig gear season opened; weather delay March 15–19 March 24 – Pot gear season closed when GHL was attained May 16 – Jig gear season closed for parallel B season	<i>Jig gear fishery dates:</i> March 20–May 16
2015	<i>Pot gear fishery dates:</i> March 7–March 31 <i>Management actions:</i> March 18 – Jig gear season opened; weather delay March 15–18 March 31 – Pot gear season closed when GHL was attained	<i>Jig gear fishery dates:</i> March 18–December 31
2016	<i>Pot gear fishery dates:</i> March 7–September 1 <i>Management actions:</i> September 1 – Pot gear season closed to coordinate with parallel B-season opening	<i>Jig gear fishery dates:</i> March 15–December 31
2017	<i>Pot gear fishery dates:</i> March 7–September 1 <i>Management actions:</i> September 1 – Pot gear season closed to coordinate with parallel B-season opening	<i>Jig gear fishery dates:</i> March 17–December 31

-continued-

Table 17.–Page 4 of 4.

Year	Fishery dates and management actions	
2018	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 10–March 17	March 16–June 4
	<i>Management actions:</i>	
	March 10 – Pot gear season opened; weather delay March 7–9	
	March 16 – Jig gear season opened; weather delay March 15	
2019	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 7–March 13	March 13–April 22
	<i>Management actions:</i>	
	March 13 – Pot gear season closed when GHL was attained	
	April 22 – Jig gear season closed when GHL was attained	
2020	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 7–March 27	January 1–December 31
	<i>Management actions:</i>	
2021	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 9–March 15	March 15–December 31
	<i>Management actions:</i>	
	March 9 – Pot gear season opened; weather delay March 7 and 8	
	March 15 – Pot gear season closed when GHL was attained	
2022	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 7–March 16	March 15–December 31
	<i>Management actions:</i>	
	March 7 – Pot gear season opened	
2023	<i>Pot gear fishery dates:</i>	<i>Jig gear fishery dates:</i>
	March 7–March 12	March 14–June 28
	<i>Management actions:</i>	
	March 7 – Pot gear season opened	
	March 12 – Pot gear season closed when GHL was attained	
	March 14 – Jig gear season opened	
	June 28 – Jig gear season closed when GHL was attained	

Note: GHL = guideline harvest level.

Table 18.—Kodiak, Chignik, and South Alaska Peninsula Areas black rockfish regulatory development and management actions, 1997–2023.

Year	Regulation
Pre-1997	– Black rockfish managed by NMFS
1997	– NPFMC removed black rockfish from Pelagic Shelf Rockfish Group
	– State-waters managed separately from federal waters: Kodiak Area GHL established at 170,000 pounds; Chignik Area and SAP Area Eastern District GHLS established at 100,000 pounds
1998	– State assumed management authority from NMFS for black rockfish in the Exclusive Economic Zone
	– Kodiak and Chignik Areas and SAP Eastern District established as non-exclusive registration areas
	– Kodiak Area divided into 7 districts each with separate GHLS
1999	– Kodiak Area Northeast District GHL reduced from 25,000 pounds to 20,000 pounds
2003	– Kodiak Area regulation stating that vessels may not be concurrently registered for black rockfish and Pacific cod established
	– Kodiak Area trip limit established at 5,000 pounds per five days
	– Chignik Area designated superexclusive registration area
	– Chignik Area divided into 3 management districts
2004	– Kodiak Area Westside District GHL reduced from 30,000 pounds to 20,000 pounds
2005	– SAP Area Eastern District divided into 3 management sections
	– Kodiak Area incidental trip limit of 2,500 pounds established for vessels fishing during other directed jig groundfish fisheries in Kodiak Area
	– Kodiak Area logbooks mandated
2006	– SAP Area Eastern District GHL reduced from 100,000 pounds to 75,000 pounds
2007	– Kodiak Area Northeast, Afognak, and Southeast Districts incidental trip limit reduced from 2,500 pounds to 1,000 pounds
2011	– Kodiak Area Rockfish Management Plan revised: incidental trip limits repealed and replaced with bycatch percentages established by EO; trip limit increased from 5,000 to 7,000 pounds after August 14 by EO; reporting requirements and trip limits for catcher-processors established
2012	– Kodiak Area Southwest and Mainland District GHLS eliminated; harvest as bycatch only
2014	– Kodiak Area Westside District GHL reduced from 20,000 pounds to 10,000 pounds
2015	– Kodiak Area Afognak District GHL reduced from 35,000 pounds to 30,000 pounds
2020	– Kodiak Area gear limit increased from 5 to 6 mechanical jig machines
2021	– Kodiak Area Northeast District GHL reduced from 20,000 pounds to 10,000 pounds
	– Kodiak Area Southeast District GHL increased from 30,000 pounds to 40,000 pounds

Notes: NMFS = National Marine Fisheries Service. NPFMC = North Pacific Fishery Management Council. GHL = guideline harvest level. SAP = South Alaska Peninsula. EO = emergency order.

Table 19.—Kodiak, Chignik, and South Alaska Peninsula Areas black rockfish guideline harvest level (GHL), harvest in pounds, and fishery closure date, by district, 2023.

Area/District	GHL	Harvest			Directed fishery closure date
		Directed	Bycatch	Total <sup>a</sup>	
Kodiak Area					
Afognak	30,000	29,468	0	29,468	December 31
Northeast	10,000	CF	CF	9,949	July 3
Eastside	30,000	CF	CF	31,076	April 20
Southeast	40,000	31,118	0	31,118	December 31
Southwest	Bycatch only				NA
Westside	10,000	0	0	0	December 31
Mainland	Bycatch only				NA
Total <sup>a</sup>	120,000	90,687	10,924	101,611	
Chignik Area					
Sutwik Island	45,000 <sup>b</sup>	0	0	0	December 31
Chignik Bay	45,000 <sup>b</sup>	0	0	0	December 31
Mitrofanina	45,000 <sup>b</sup>	0	0	0	December 31
Total	100,000	0	0	0	
South Alaska Peninsula Area					
Eastern	75,000	0	0	0	December 31

Notes: Weights reported in whole fish pounds. Discards at sea excluded. CF = confidential; data are confidential when fewer than 3 vessels or processors participated. NA = not applicable.

<sup>a</sup> Totals do not include confidential data; the Northeast and Eastside District harvest totals are not confidential.

<sup>b</sup> District harvest cap.

Table 20.—Kodiak Area black rockfish jig effort, guideline harvest level (GHL), harvest in pounds and value, 1990–2023.

Year <sup>a</sup>	Vessels	Landings	GHL	Harvest	Price per pound <sup>b</sup>	Exvessel value
1990	2	8	NA	CF	CF	NA
1991	55	317	NA	782,133	\$0.25	\$195,533
1992	34	167	NA	476,623	\$0.24	\$114,390
1993	14	58	NA	105,244	\$0.24	\$25,259
1994	23	126	NA	116,724	\$0.37	\$43,188
1995	33	183	NA	311,455	\$0.44	\$137,040
1996	43	167	NA	301,798	\$0.46	\$138,827
1997	50	297	NA	221,664	\$0.38	\$84,232
1998	64	348	190,000	196,548	\$0.33	\$64,861
1999	70	300	185,000	128,008	\$0.42	\$53,763
2000	72	260	185,000	245,891	\$0.44	\$108,192
2001	36	168	185,000	213,629	\$0.50	\$106,815
2002	25	123	185,000	196,166	\$0.43	\$84,351
2003	33	90	185,000	84,237	\$0.36	\$30,325
2004	37	124	185,000	122,180	\$0.39	\$47,650
2005	23	85	175,000	116,726	\$0.40	\$46,690
2006	25	97	175,000	123,443	\$0.42	\$51,846
2007	21	96	175,000	135,386	\$0.41	\$55,508
2008	17	91	175,000	132,325	\$0.53	\$70,132
2009	18	90	175,000	122,136	\$0.41	\$50,076
2010	12	74	175,000	103,630	\$0.39	\$40,416
2011	21	67	175,000	124,900	\$0.39	\$48,711
2012	19	53	135,000	80,940	\$0.42	\$33,995
2013	20	62	135,000	141,226	\$0.44	\$62,139
2014	17	74	125,000	109,053	\$0.46	\$50,164
2015	26	120	125,000	112,340	\$0.45	\$50,553
2016	45	192	120,000	132,181	\$0.50	\$66,091
2017	20	91	120,000	108,269	\$0.54	\$58,465
2018	8	65	120,000	107,725	\$0.44	\$47,399
2019	12	72	120,000	109,899	\$0.89	\$97,810
2020	12	67	120,000	117,306	\$0.79	\$92,672
2021	15	62	120,000	87,634	\$1.00	\$87,634
2022	9	35	120,000	98,466	\$1.00	\$98,466
2023	9	36	120,000	101,611	\$0.98	\$99,579

Notes: Weights reported in whole fish pounds. Discards at sea excluded. CF = confidential; data are confidential when fewer than 3 vessels participated. NA = not applicable.

<sup>a</sup> Prior to 1998, black rockfish were managed by the National Marine Fisheries Service (NMFS).

<sup>b</sup> Price per pound calculated from sold whole fish pounds.

Table 21.—Chignik Area black rockfish jig effort, guideline harvest level (GHL) harvest in pounds, and value, 1990–2023.

Year <sup>a</sup>	Vessels	Landings	GHL	Harvest	Price per pound <sup>b</sup>	Exvessel value
1990	0	0	NA	0	ND	ND
1991	0	0	NA	0	ND	ND
1992	0	0	NA	0	ND	ND
1993	0	0	NA	0	ND	ND
1994	0	0	NA	0	ND	ND
1995	5	6	NA	25,125	\$0.49	\$12,311
1996	11	25	NA	201,825	\$0.36	\$72,657
1997	9	39	NA	80,741	\$0.23	\$18,570
1998	10	30	100,000	87,712	\$0.28	\$24,559
1999	10	30	100,000	11,305	\$0.25	\$2,826
2000	7	14	100,000	95,572	\$0.43	\$41,096
2001	13	33	100,000	102,316	\$0.41	\$41,950
2002	7	15	100,000	81,015	\$0.41	\$33,216
2003	10	40	100,000	46,598	\$0.42	\$19,571
2004	6	26	100,000	99,122	\$0.27	\$26,763
2005	7	16	100,000	49,721	\$0.40	\$19,888
2006	2	4	100,000	CF	CF	CF
2007	2	7	100,000	CF	CF	CF
2008	1	4	100,000	CF	CF	CF
2009	2	2	100,000	CF	CF	CF
2010	1	5	100,000	CF	CF	CF
2011	1	1	100,000	CF	CF	CF
2012	1	1	100,000	CF	CF	CF
2013	0	0	100,000	0	ND	ND
2014	1	1	100,000	CF	CF	CF
2015	0	0	100,000	0	ND	ND
2016	1	1	100,000	CF	CF	CF
2017	1	5	100,000	CF	CF	CF
2018	0	0	100,000	0	ND	ND
2019	0	0	100,000	0	ND	ND
2020	1	4	100,000	CF	CF	CF
2021	1	2	100,000	CF	CF	CF
2022	0	0	100,000	0	ND	ND
2023	0	0	100,000	0	ND	ND

Notes: Weights reported in whole fish pounds. Discards at sea excluded. CF = confidential; data are confidential when fewer than 3 vessels participated. NA = not applicable. ND = no data.

<sup>a</sup> Prior to 1998, black rockfish were managed by the National Marine Fisheries Service (NMFS).

<sup>b</sup> Price per pound calculated from sold whole fish pounds.

Table 22.—South Alaska Peninsula Area Eastern District black rockfish jig effort, guideline harvest level (GHL), harvest in pounds, and value, 1990–2023.

Year <sup>a</sup>	Vessels	Landings	GHL	Harvest	Price per pound <sup>b</sup>	Exvessel value
1990	0	0	NA	0	ND	ND
1991	1	1	NA	CF	CF	CF
1992	0	0	NA	0	ND	ND
1993	0	0	NA	0	ND	ND
1994	0	0	NA	0	ND	ND
1995	8	49	NA	120,745	\$0.33	\$39,846
1996	19	78	NA	150,188	\$0.25	\$37,547
1997	9	32	NA	109,076	\$0.34	\$37,086
1998	6	18	100,000	84,145	\$0.29	\$24,402
1999	9	38	100,000	55,308	\$0.41	\$22,676
2000	20	73	100,000	94,797	\$0.35	\$33,179
2001	30	82	100,000	101,605	\$0.36	\$36,578
2002	9	30	100,000	102,114	\$0.29	\$29,613
2003	4	6	100,000	5,267	\$0.21	\$1,106
2004	15	24	100,000	8,925	\$0.26	\$2,321
2005	11	26	100,000	57,732	\$0.35	\$20,206
2006	3	8	75,000	7,015	\$0.37	\$2,596
2007	2	9	75,000	CF	CF	CF
2008	0	0	75,000	0	ND	ND
2009	3	3	75,000	705	\$0.25	\$176
2010	1	1	75,000	CF	CF	CF
2011	1	2	75,000	CF	CF	CF
2012	0	0	75,000	0	ND	ND
2013	2	4	75,000	CF	CF	CF
2014	0	0	75,000	0	ND	ND
2015	1	1	75,000	CF	CF	CF
2016	5	13	75,000	77,321	\$0.40	\$30,928
2017	3	21	75,000	45,127	\$0.40	\$18,051
2018	5	14	75,000	24,449	\$0.40	\$9,780
2019	4	8	75,000	15,916	\$0.45	\$7,162
2020	2	4	75,000	CF	CF	CF
2021	0	0	75,000	0	ND	ND
2022	0	0	75,000	0	ND	ND
2023	0	0	75,000	0	ND	ND

Notes: Weights reported in whole fish pounds. Discards at sea excluded. CF = confidential; data are confidential when fewer than 3 vessels participated. NA = not applicable. ND = no data.

<sup>a</sup> Prior to 1998, black rockfish were managed by the National Marine Fisheries Service (NMFS).

<sup>b</sup> Price per pound calculated from sold whole fish pounds.

Table 23.—Kodiak, Chignik, and South Alaska Peninsula Areas lingcod harvest in pounds, by gear type, 1988–2023.

Year	Jig	Longline	Pot	Trawl	Total <sup>a</sup>
1988	59	43	0	136,191	136,294
1989	69	0	0	14,324	14,394
1990	1,418	158	402	8,839	10,816
1991	8,375	501	386	663	9,925
1992	5,569	4,261	72	10,897	20,799
1993	0	511	0	4,778	5,289
1994	4,820	803	0	229	5,852
1995	34,574	3,467	79	1,191	39,311
1996	43,403	7,878	0	10,929	62,209
1997	12,637	6,499	4,251	5,267	28,654
1998	5,756	1,771	0	3,514	11,041
1999	1,358	3,802	4,189	4,593	13,941
2000	3,400	6,734	2,676	2,127	14,938
2001	527	4,063	3,597	5,688	13,875
2002	29	6,131	2,749	5,380	14,290
2003	229	9,740	0	5,069	15,037
2004	2,990	6,865	205	16,731	26,791
2005	772	18,831	7,983	14,078	41,663
2006	289	16,028	20,127	12,670	49,114
2007	35	28,058	32,024	45,420	105,538
2008	1,518	31,637	21,278	466,826	521,259
2009	373	28,112	3,614	65,182	97,281
2010	812	31,204	1,935	33,594	67,545
2011	123	25,045	14,962	82,323	122,454
2012	297	18,815	69,657	69,683	158,453
2013	0	14,341	19,222	29,166	62,729
2014	0	11,285	23,949	34,148	69,382
2015	0	5,098	12,822	44,669	62,589
2016	CF	5,200	6,838	36,532	48,570
2017	CF	4,837	3,376	16,715	24,928
2018	CF	8,571	662	37,222	46,455
2019	154	4,197	CF	34,843	39,194
2020	157	4,816	1,550	34,854	41,377
2021	1,064	6,635	437	32,639	40,775
2022	CF	6,509	CF	32,457	39,203
2023	CF	17,208	CF	48,404	65,762

Notes: Weights reported in whole fish pounds. Discards at sea excluded. CF = confidential; data are confidential when fewer than 3 vessels participated.

<sup>a</sup> Total fish pounds does not include confidential data; total fish pounds in 2022 and 2023 are not confidential.

Table 24.—Central Gulf of Alaska (CGOA) and Western Gulf of Alaska (WGOA) walleye pollock fishery dates, 2019–2023.

NMFS area	2019	2020	2021	2022	2023
CGOA Area 630	Jan 20–Feb 10	Jan 20–Feb 23	Jan 20–April 14	Jan 20–April 22	Jan 20–May 31
	Mar 10–Mar 11	Mar 9–Mar 10	Sep 1–Nov 1	Sep 1–Sept 21	Sep 1–Oct 15
	Aug 25–Sep 30	Mar 10–Mar 11			
	Oct 1–Nov 1	Aug 25–Sep 30			
		Oct 1–Oct 17			
CGOA Area 620	Jan 20–Feb 8	Jan 20–Feb 19	Jan 20–May 31	Jan 20–May 31	Jan 20–Mar 20
	Mar 10–Mar 21	Mar 10–Mar 18	Sep 1–Nov 1	Sep 1–Oct 21	Sep 1–Nov 1
	Aug 25–Sep 30	Aug 25–Sep 30			
	Oct 1–Nov 1	Oct 1–Oct 20			
		Oct 27–Oct 29			
WGOA Area 610	Jan 20–Mar 6	Mar 9–Mar 10	Sep 1–Oct 15 <sup>a</sup>	Sep 1–Sep 28 <sup>a</sup>	Sep 1–Oct 17 <sup>a</sup>
	Mar 10–Mar 29	Mar 10–Mar 14			
	Aug 25–Sep 8	Aug 25–Sep 3			
	Oct 1–Oct 8	Oct 1–Oct 6			
		Oct 27–Oct 29			

Notes: NMFS = National Marine Fisheries Service.

<sup>a</sup> No directed fishing for A season; bycatch only.

Table 25.—Central Gulf of Alaska (CGOA) walleye pollock effort and harvest, in millions of pounds, 1995–2023.

Year	Vessels	Landings	Federal waters		State waters		Total harvest	Discards at sea
			Harvest	% of Total	Harvest	% of Total		
1995	108	810	65.04	87.9	8.98	12.1	74.02	1.25
1996	84	904	36.07	71.6	14.28	28.4	50.35	1.57
1997	107	1,528	83.37	68.7	37.91	31.3	121.28	1.91
1998	119	1,702	136.18	65.9	70.46	34.1	206.64	0.40
1999	101	1,293	107.75	72.7	40.36	27.3	148.12	0.52
2000	60	1,108	101.63	95.8	4.45	4.2	106.09	0.53
2001	74	1,160	69.00	79.4	17.88	20.6	86.88	0.29
2002	72	838	40.17	56.7	30.73	43.3	70.90	0.15
2003	61	730	55.30	77.0	16.56	23.0	71.86	0.17
2004	57	772	54.99	63.5	31.64	36.5	86.64	0.36
2005	53	820	79.13	76.9	23.77	23.1	102.90	0.29
2006	48	988	68.61	71.0	28.07	29.0	96.69	0.16
2007	42	894	53.87	74.2	18.77	25.8	72.65	0.28
2008	47	990	48.89	68.4	22.59	31.6	71.48	1.02
2009	43	821	35.05	65.3	18.66	34.7	53.71	0.62
2010	50	1,028	77.71	76.7	23.60	23.3	101.31	0.98
2011	56	1,061	110.15	90.5	11.59	9.5	121.74	1.67
2012	70	1,262	126.37	82.0	27.66	18.0	154.03	1.62
2013	66	1,385	157.05	85.9	25.73	14.1	182.78	3.00
2014	63	1,768	256.13	92.0	22.23	8.0	278.37	1.05
2015	60	1,746	243.92	83.4	48.46	16.6	292.38	0.96
2016	62	1,415	210.70	86.2	33.85	13.8	244.55	0.54
2017	54	1,503	283.95	96.8	9.30	3.2	293.25	1.37
2018	60	1,435	246.28	94.5	14.34	5.5	260.63	2.28
2019	59	1,279	180.05	92.9	13.83	7.1	193.88	2.25
2020	62	1,171	163.46	92.3	13.67	7.7	177.12	1.51
2021	52	926	156.25	94.9	8.45	5.1	164.70	1.71
2022	49	1,090	199.83	91.6	18.36	8.4	218.19	1.78
2023	44	1,001	203.85	95.0	10.79	5.0	214.64	1.30

Notes: Harvest reported in whole fish pounds. Discards at sea excluded from all columns except the *Discards at sea* column.

Table 26.—Western Gulf of Alaska (WGOA) walleye pollock effort and harvest, in millions of pounds, 1995–2023.

Year	Vessels	Landings	Federal waters		State waters		Total harvest	Discards at sea
			Harvest	% of Total	Harvest	% of Total		
1995	92	351	43.36	66.0	22.32	34.0	65.69	0.84
1996	56	319	20.83	40.0	31.23	60.0	52.06	0.77
1997	84	333	42.56	68.1	19.90	31.9	62.47	0.71
1998	84	362	27.31	41.6	38.40	58.4	65.70	0.12
1999	80	432	24.86	47.1	27.96	52.9	52.82	0.25
2000	49	419	9.99	21.1	37.34	78.9	47.33	0.11
2001	51	548	17.53	26.0	50.00	74.0	67.53	0.07
2002	45	316	19.46	51.0	18.69	49.0	38.14	0.21
2003	41	262	16.86	45.5	20.18	54.5	37.04	0.12
2004	32	350	19.89	39.1	30.97	60.9	50.86	0.08
2005	36	502	34.36	50.6	33.50	49.4	67.85	0.12
2006	38	499	20.54	38.2	33.25	61.8	53.80	0.18
2007	38	413	18.03	47.3	20.12	52.7	38.15	0.05
2008	29	340	21.55	65.8	11.20	34.2	32.75	0.00
2009	35	309	9.74	31.8	20.93	68.2	30.68	0.11
2010	38	561	23.83	41.8	33.22	58.2	57.05	0.06
2011	35	502	21.34	47.4	23.64	52.6	44.98	0.15
2012	45	696	16.47	27.4	43.68	72.6	60.15	0.31
2013	40	402	7.23	43.0	9.58	57.0	16.81	0.17
2014	34	586	16.76	58.3	12.00	41.7	28.75	0.36
2015	33	790	45.34	72.0	17.67	28.0	63.01	0.04
2016	39	1155	98.42	73.2	35.97	26.8	134.39	0.14
2017	42	785	99.24	91.6	9.10	8.4	108.34	0.52
2018	36	554	57.03	84.9	10.14	15.1	67.17	0.72
2019	36	382	43.33	90.2	4.68	9.8	48.01	0.27
2020	33	319	33.58	80.5	8.12	19.5	41.70	0.16
2021	34	325	32.13	82.5	6.81	17.5	38.94	0.23
2022	33	390	36.45	71.1	14.79	28.9	51.24	0.25
2023	31	413	46.18	80.9	10.91	19.1	57.09	0.33

Notes: Harvest reported in whole fish pounds. Discards at sea excluded from all columns except the *Discards at sea* column.

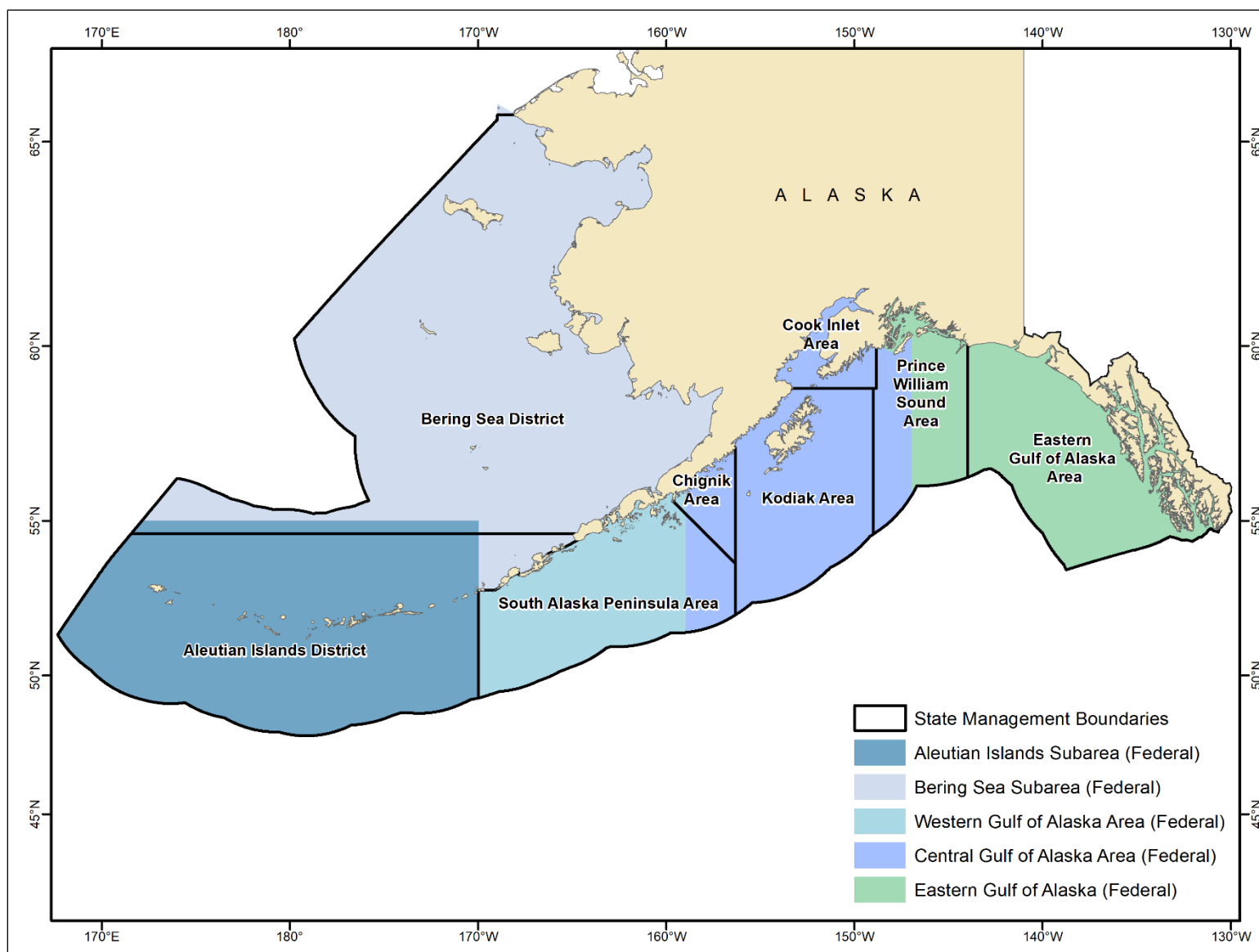


Figure 1.—Alaska Department of Fish and Game and National Marine Fisheries Service groundfish management areas.

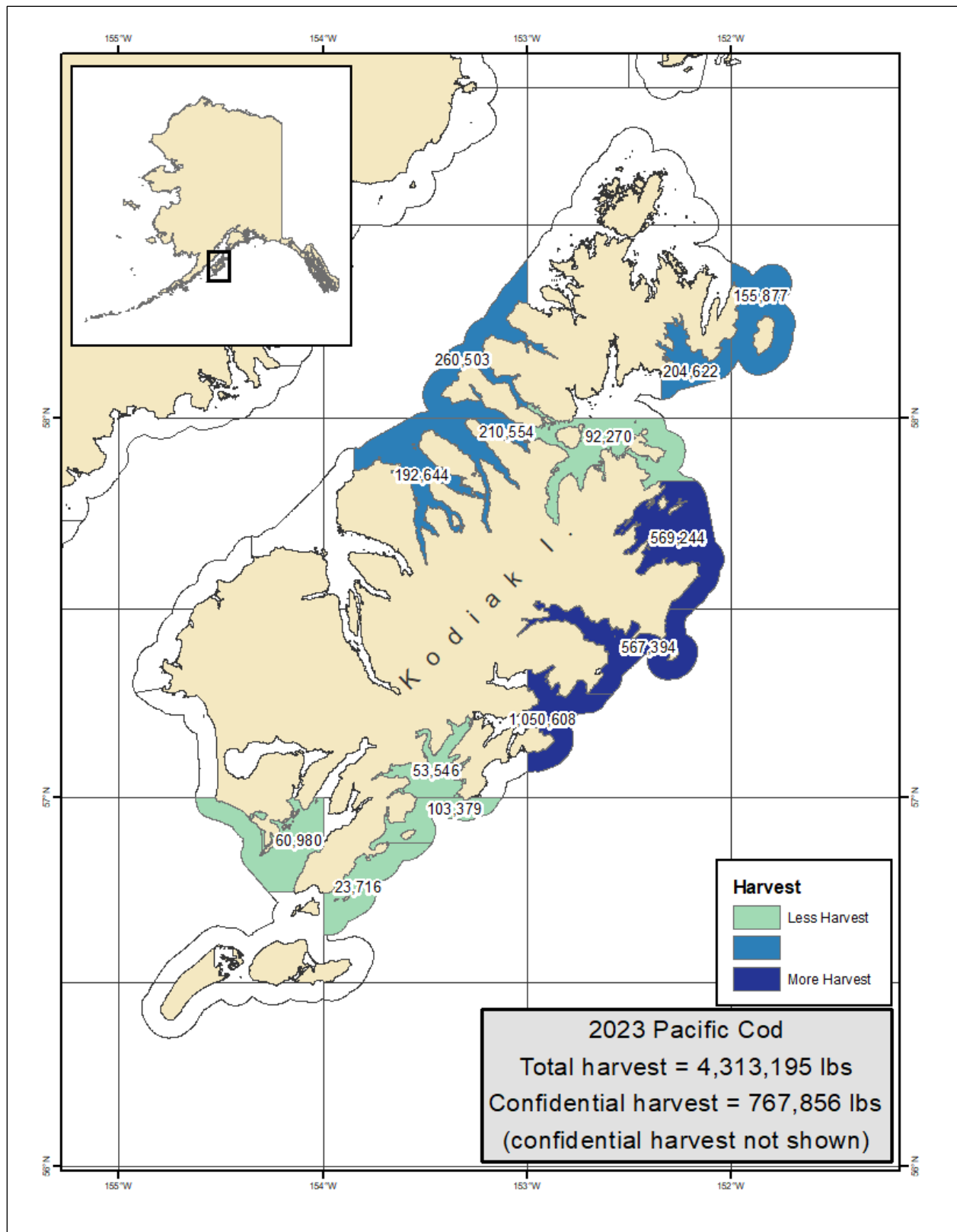


Figure 2.—Kodiak Area state-waters Pacific cod harvest, in pounds, by statistical area, 2023.

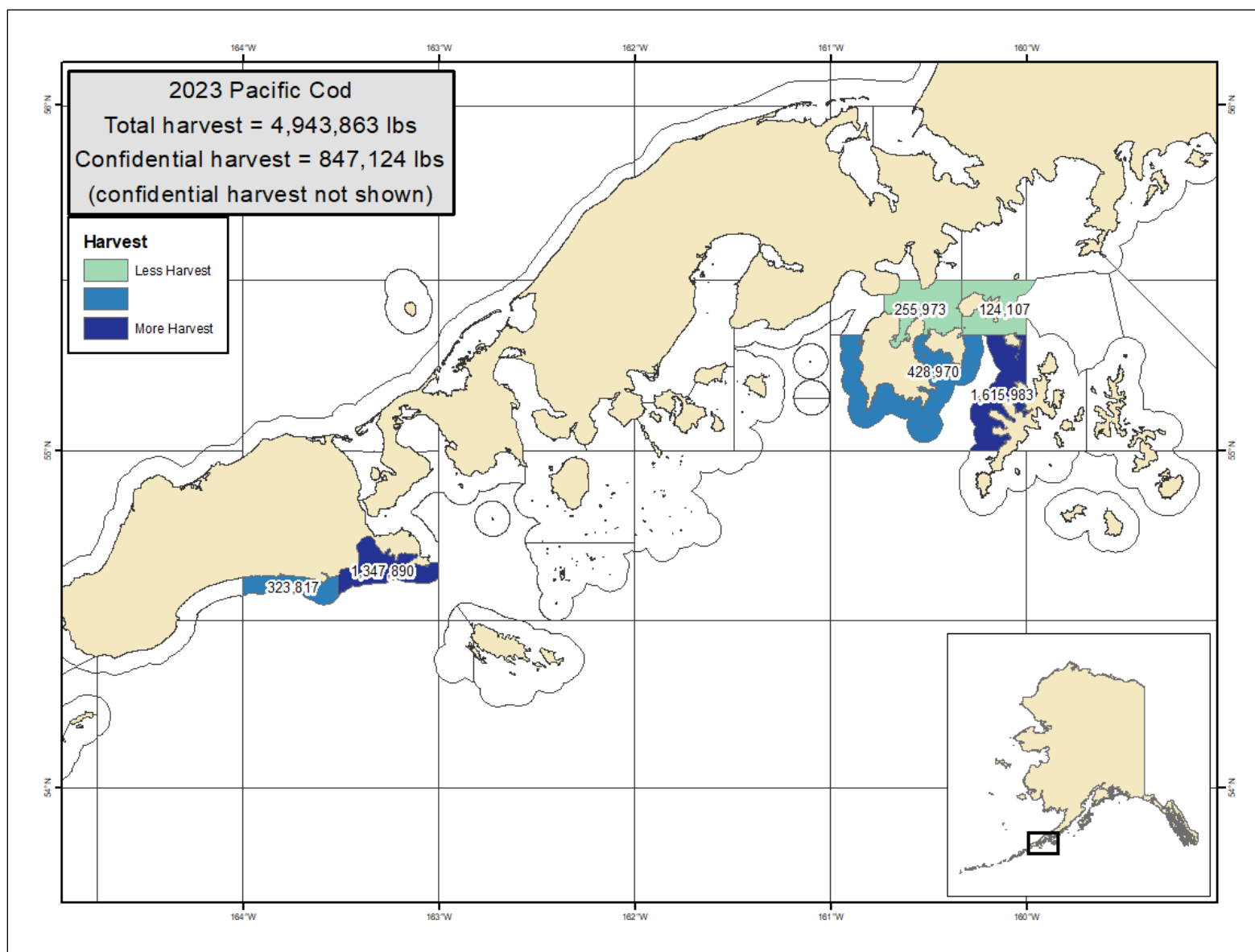


Figure 3.—South Alaska Peninsula Area state-waters Pacific cod harvest, in pounds, by statistical area, 2023.

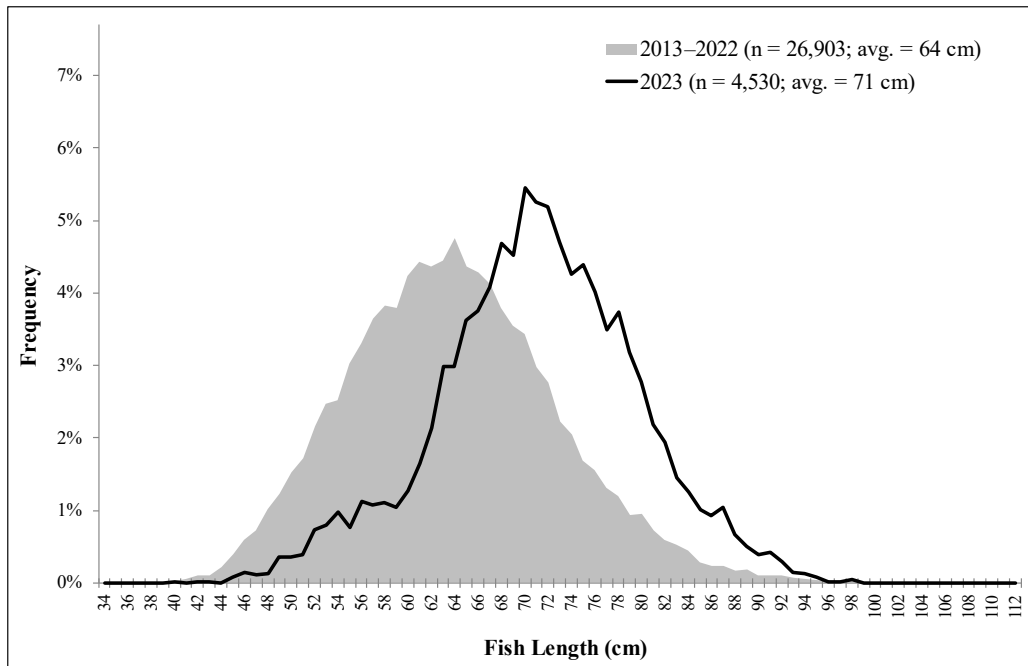


Figure 4.—Kodiak Area Pacific cod length frequency from state-waters fisheries, 2013–2023.

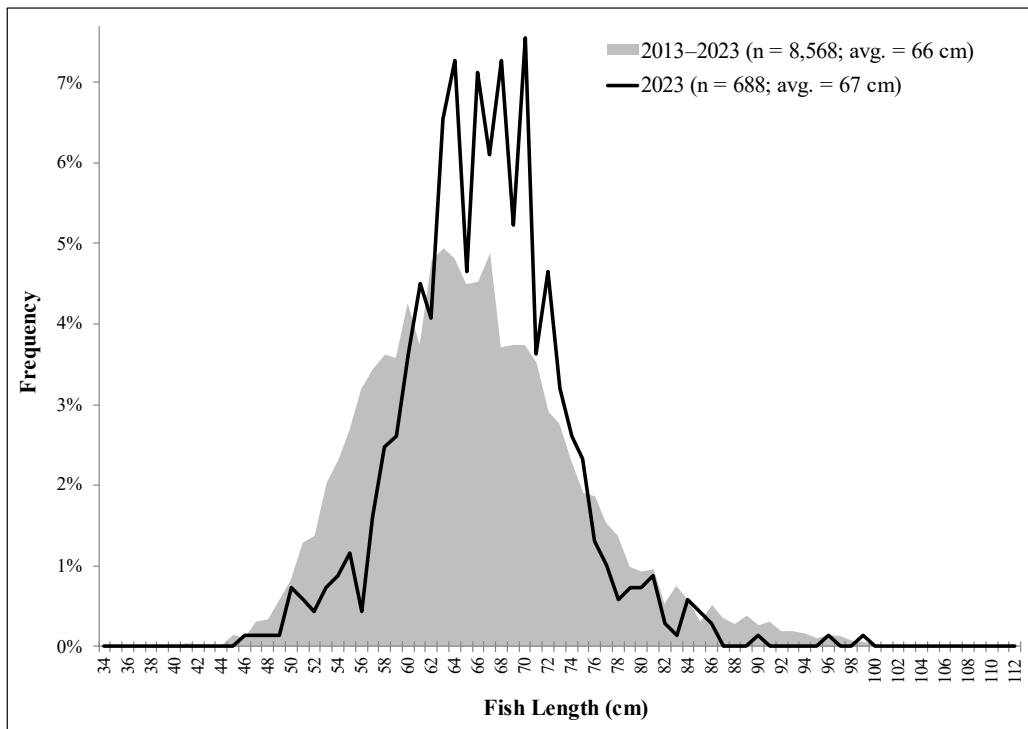


Figure 5.—Chignik Area Pacific cod length frequency from state-waters fisheries, 2013–2023.

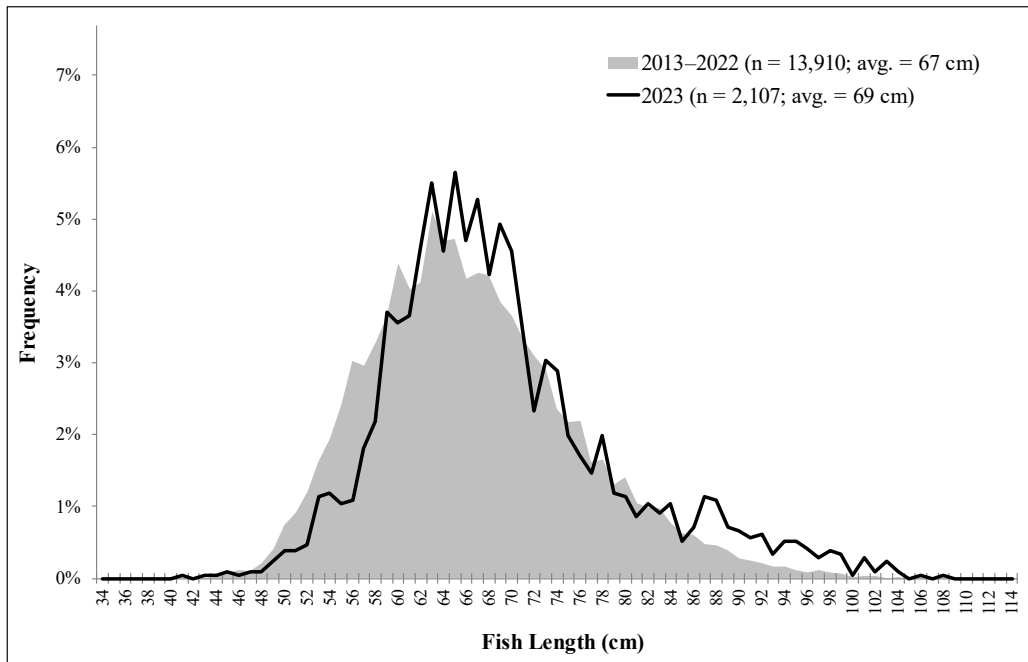


Figure 6.–South Alaska Peninsula Area Pacific cod length frequency from state-waters fisheries, 2013–2023.

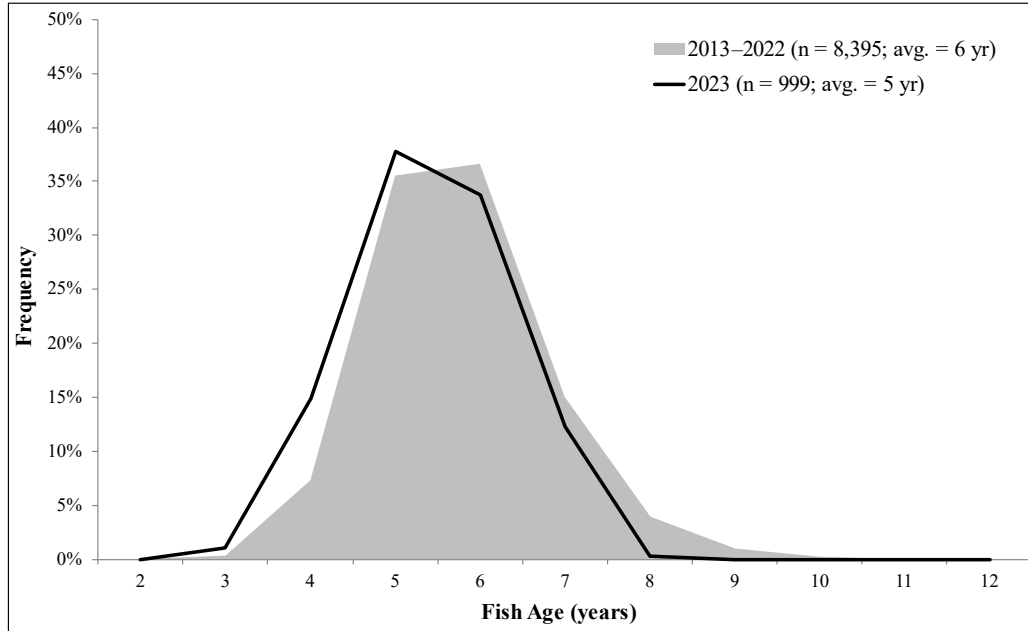


Figure 7.–Kodiak Area Pacific cod age composition from the state-waters fisheries, 2013–2023.

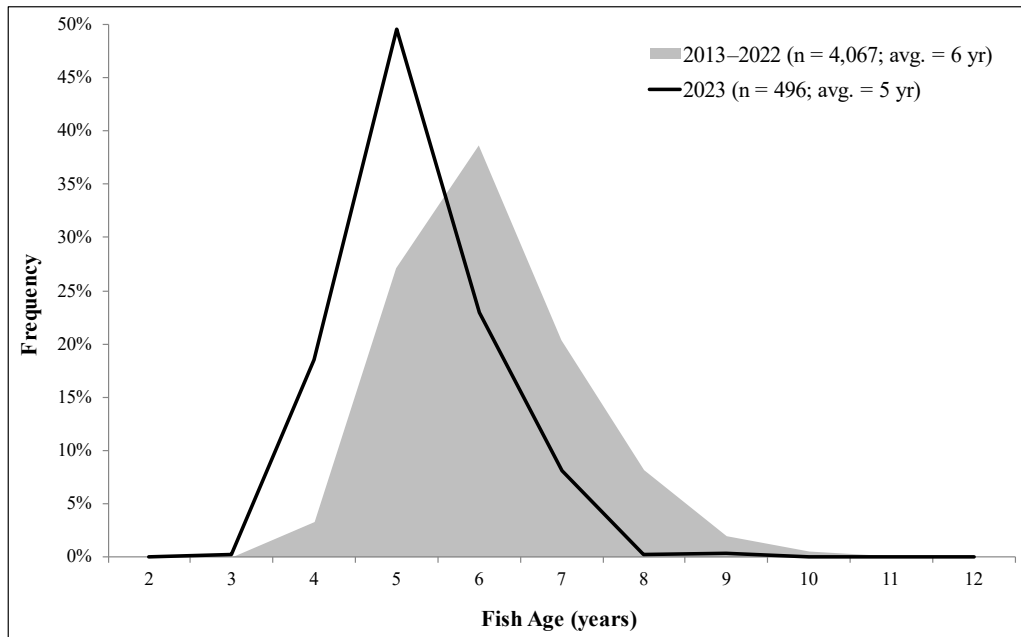


Figure 8.—Chignik Area Pacific cod age composition from the state-waters fisheries, 2013–2023.

*Note:* No age data for 2014.

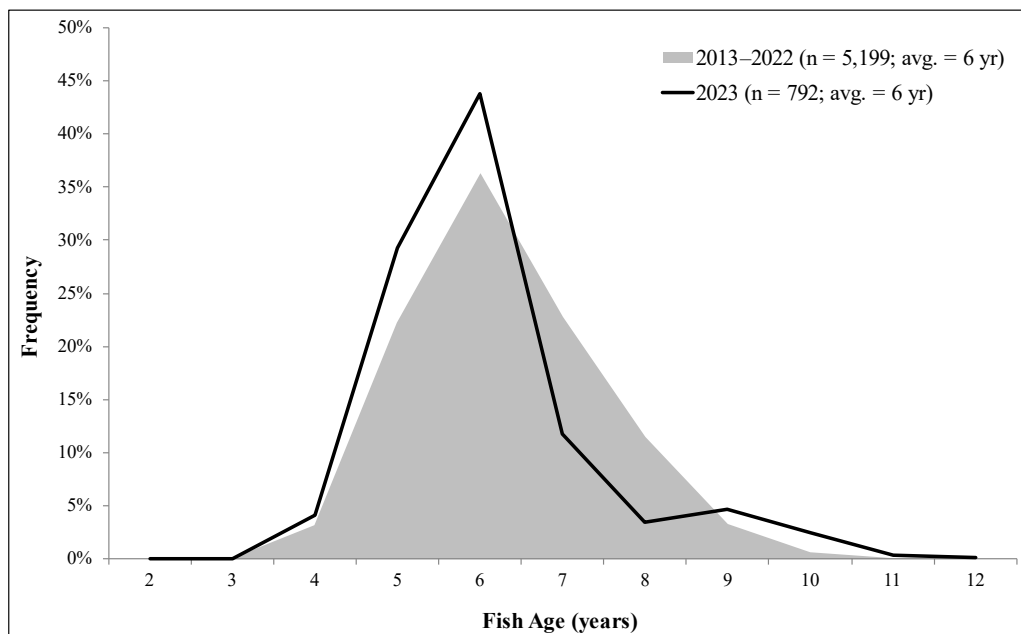


Figure 9.—South Alaska Peninsula Area Pacific cod age composition from the state-waters fisheries, 2013–2023.

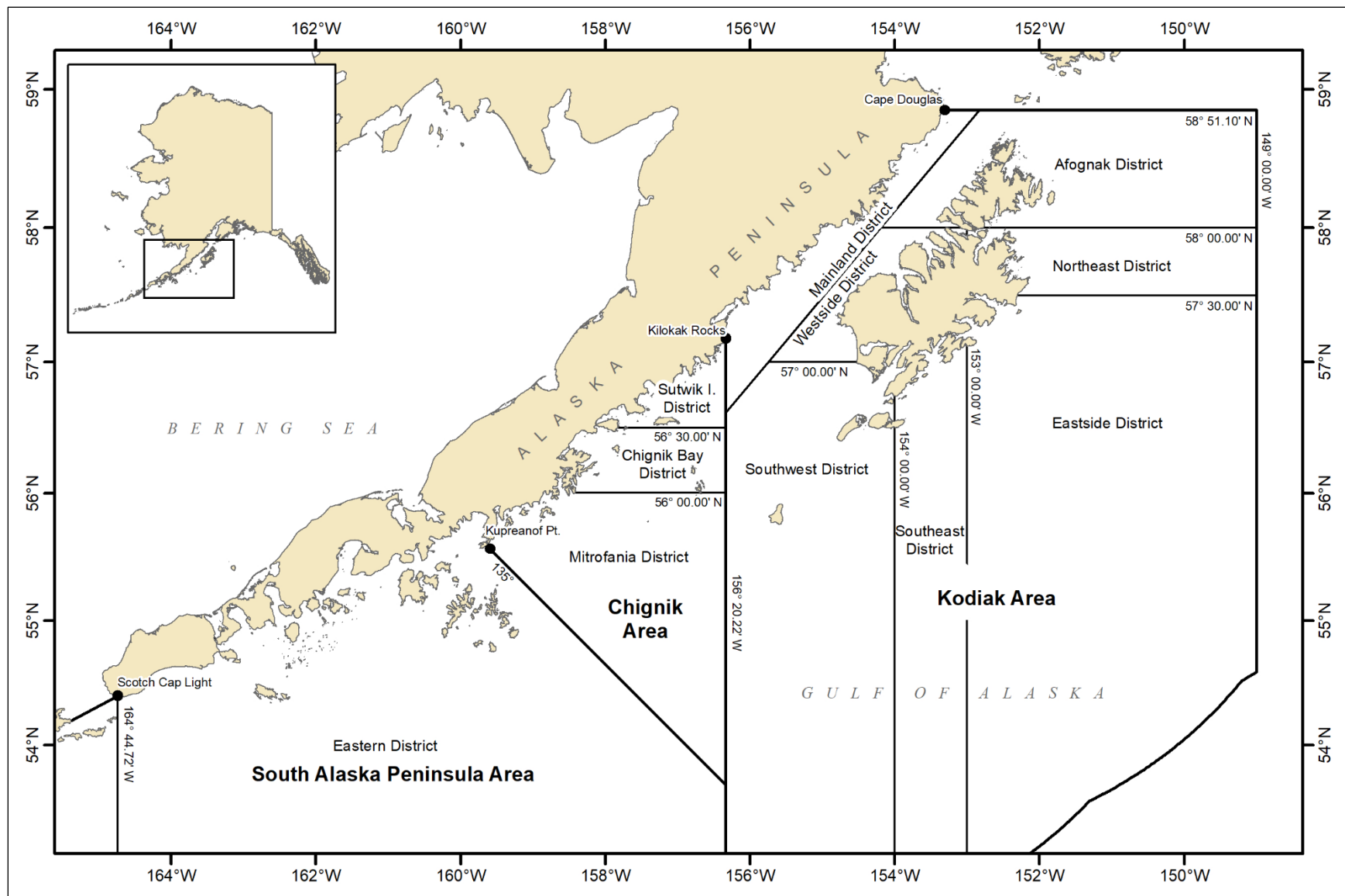


Figure 10.—Kodiak, Chignik, and South Alaska Peninsula black rockfish management areas and districts.

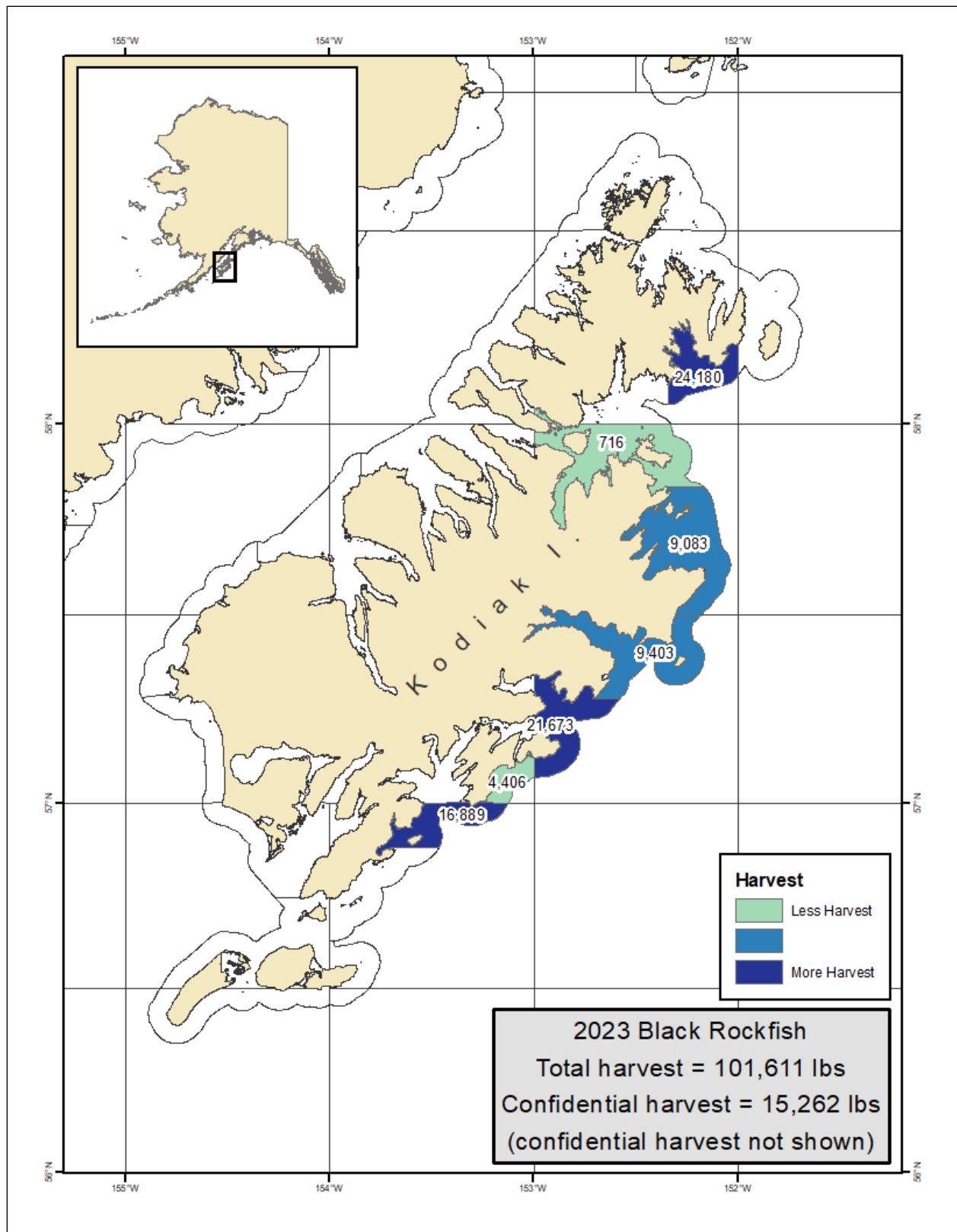


Figure 11.—Kodiak Area black rockfish harvest, in pounds, by statistical area, 2023.

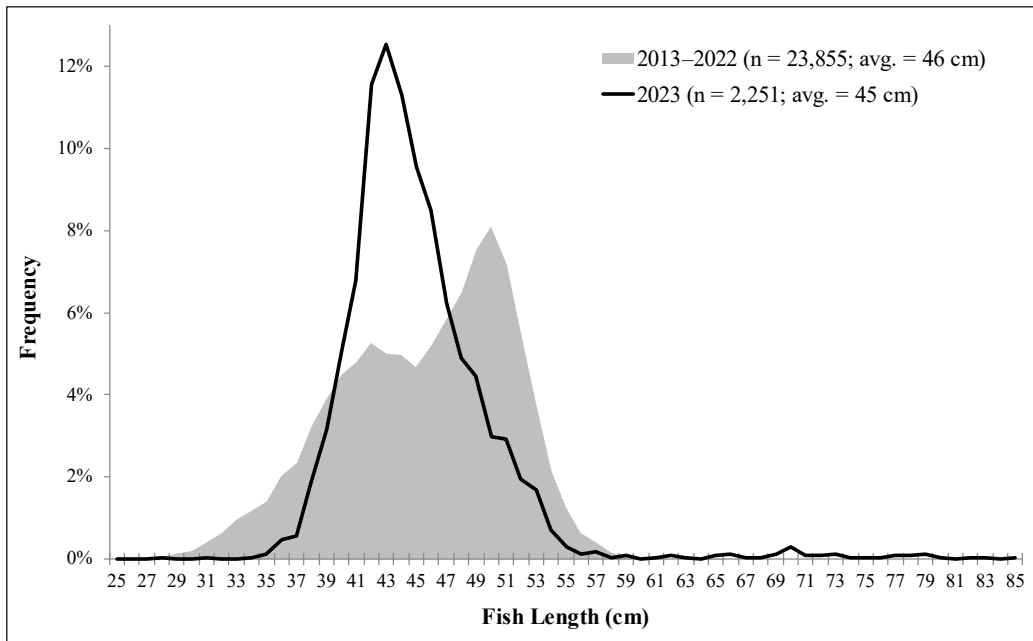


Figure 12.–Kodiak Area black rockfish length frequency from directed fisheries, 2013–2023.

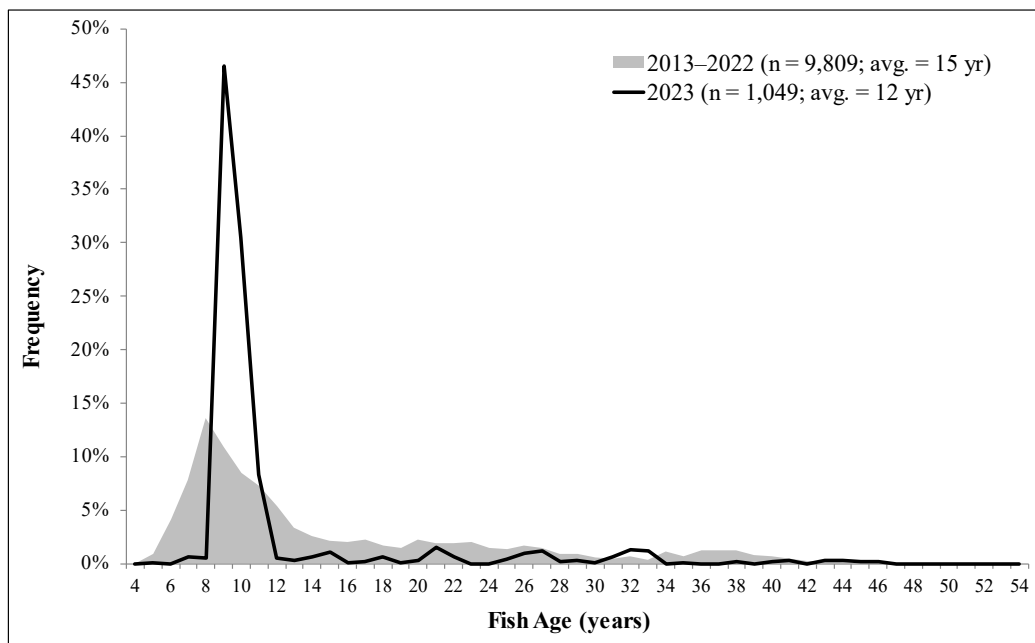


Figure 13.–Kodiak Area black rockfish age composition from directed fisheries, 2013–2023.

## **APPENDIX A: FREQUENTLY USED ACRONYMS AND KEY WORDS**

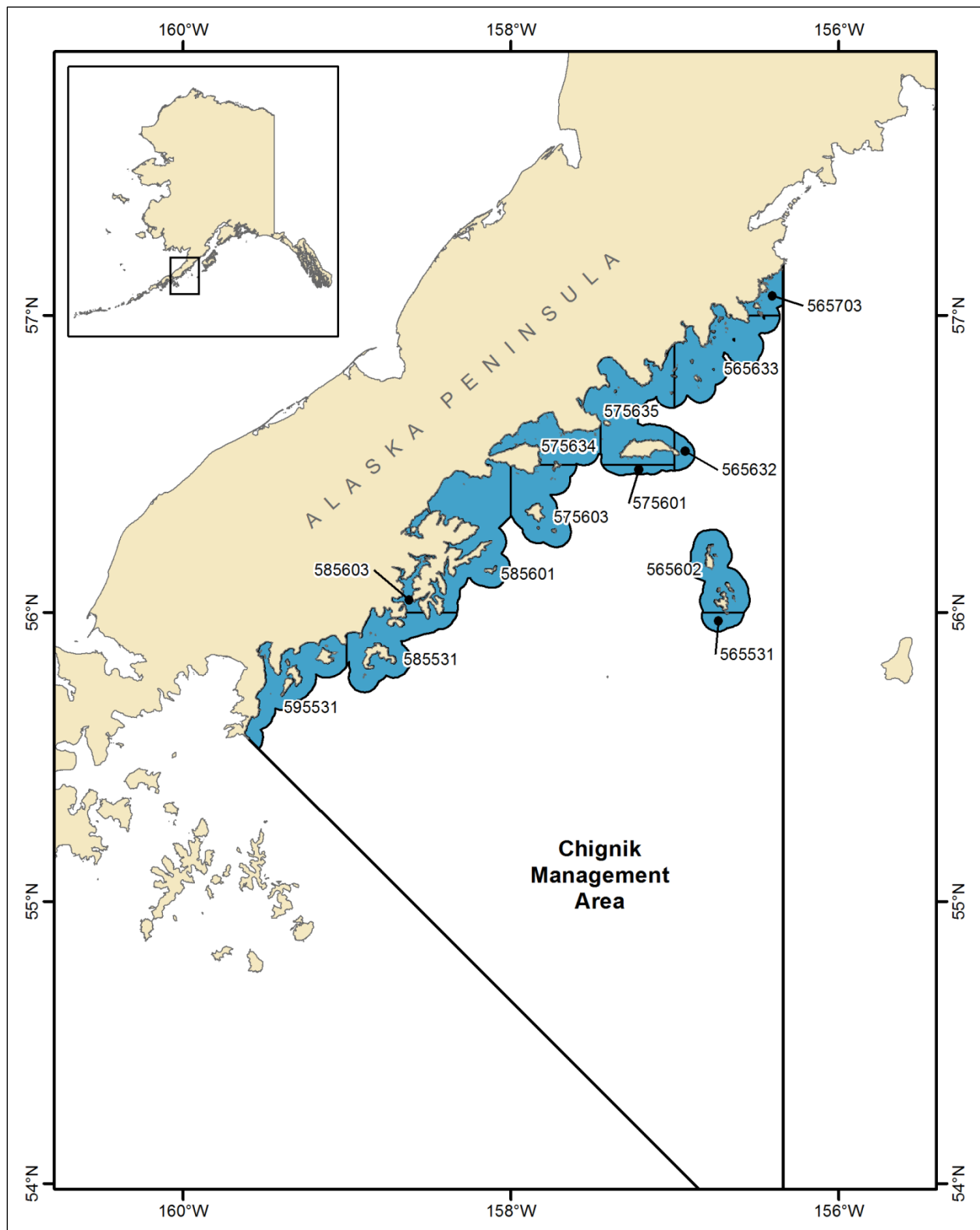
Appendix A1.–Frequently used acronyms and key words.

Acronym	Definition
ABC	Acceptable Biological Catch, stock specification as set by NPFMC on an annual basis
ADF&G	Alaska Department of Fish and Game
BOF	Alaska Board of Fisheries
BSAI	Bering Sea-Aleutian Islands Area, state management area or federal management area
CGOA	Central Gulf of Alaska, federal management areas 620 and 630
EEZ	Exclusive Economic Zone, federal waters from 3 to 200 nautical miles offshore
EGOA	Eastern Gulf of Alaska, federal management areas 640 and 650
EO	Emergency order, management action taken by ADF&G to affect regulatory change
FFP	Federal Fisheries Permit
GHL	Guideline Harvest Level
GOA	Gulf of Alaska
LLP	Federal License Limitation Program
mt	Metric ton (1 mt = 2,204.6 lb)
NMFS	National Marine Fisheries Service
NPFMC	North Pacific Fishery Management Council
OAL	Overall length
Parallel fishery	Fishery occurring from 0 to 3 nautical miles opened by the state under federal rules while a federal fishery is ongoing from 3 to 200 nautical miles
SAP	South Alaska Peninsula
SSL	Steller sea lion
State waters	Territorial sea from 0 to 3 nautical miles offshore
State-waters fishery	Fishery occurring from 0 to 3 nautical miles open under Alaska Board of Fisheries regulations and managed exclusively by Alaska Department of Fish and Game
TAC	Total Allowable Catch, final federal harvest specification for directed fishing as recommended by NPFMC and set by NMFS
WGOA	Western Gulf of Alaska, federal management area 610

**APPENDIX B: KODIAK, CHIGNIK, AND SOUTH ALASKA  
PENINSULA MANAGEMENT AREAS STATE-WATERS  
STATISTICAL AREAS FOR GROUND FISH**

The map displays the Kodiak Management Area, a large island complex in the Gulf of Alaska. It is bounded by latitudes 56°N to 59°N and longitudes 152°W to 156°W. The map features numerous sampling locations, each marked with a black dot and a numerical label. The labels are organized into several groups: 535800s (e.g., 535833, 535801, 535802, 535803), 525800s (e.g., 525832, 525802, 525803, 525806, 525805, 525731, 525733), 545800s (e.g., 545801, 545802, 545803), 535700s (e.g., 535732, 535733, 535701, 535707, 535706, 535702, 535703, 535635, 535631, 535634, 535633, 535601), 545700s (e.g., 545731, 545733, 545701, 545703, 545704), 555700s (e.g., 555731, 555732, 555702), 565700s (e.g., 565704, 565703), and 555531. An inset map in the top left corner shows the state of Alaska with a box indicating the location of the Kodiak Management Area. The title 'Kodiak Management Area' is centered at the bottom of the map.

Appendix B2.—Chignik Management Area state-waters statistical areas for groundfish.



Appendix B3.—South Alaska Peninsula Management Area state-waters statistical areas for groundfish.

