

Fishery Management Report No. 09-49

**Fishery Management Plan for Commercial Black
Rockfish Fisheries in the Kodiak, Chignik, and South
Alaska Peninsula Areas, 2010**

by

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December 2009

Alaska Department of Fish and Game

Divisions of Sport Fish and Commercial Fisheries



Symbols and Abbreviations

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

FISHERY MANAGEMENT REPORT NO. 09-49

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ROCKFISH FISHERIES IN THE KODIAK, CHIGNIK, AND SOUTH
ALASKA PENINSULA AREAS, 2010**

by

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ABSTRACT

Gulf of Alaska black rockfish *Sebastes melanops* are managed exclusively by the State of Alaska from shore to the 200 nautical mile boundary of the Exclusive Economic Zone (EEZ). This fishery management plan provides information regarding black rockfish commercial fisheries in the Kodiak, Chignik, and Eastern District of South Alaska Peninsula areas. Information provided includes a historical background of the black rockfish fisheries, as well as fisheries specific regulations for each management area for 2010. This management plan serves as a supplement to the Alaska Statutes (AS) and Alaska Administrative Codes (AAC) for the commercial groundfish fishing regulations governing black rockfish.

Key words: Black rockfish, *Sebastes melanops*, Kodiak, Chignik, South Alaska Peninsula, harvest strategy, regulations, Westward Region

INTRODUCTION

Black rockfish *Sebastes melanops* had little market value and generally were not harvested commercially in the Westward Region prior to 1990. As market conditions improved and operators began to target previously unexploited populations, black rockfish harvests in the Kodiak, Chignik, and South Alaska Peninsula areas increased significantly during the 1990s. Black rockfish harvest in the Kodiak Area increased from approximately 66,000 pounds in 1990 to 869,000 pounds in 1991 (Table 1). Although slower to develop, similar harvest increases also occurred in the Chignik and South Alaska Peninsula areas during the 1994 and 1995 seasons (Tables 2 and 3).

Black rockfish were historically managed by the National Marine Fisheries Service (NMFS) as part of the pelagic shelf rockfish group that additionally included dusky *S. ciliatus*, yellowtail *S. flavidus*, and widow *S. entomelas* rockfish. In response to the substantial increases in black rockfish harvests during the 1990s, the Alaska Department of Fish and Game (ADF&G) submitted a fisheries management plan amendment in 1997 to the North Pacific Fisheries Management Council (NPFMC) seeking to transfer black rockfish management authority within all waters of the Gulf of Alaska Exclusive Economic Zone (EEZ) to the State. This amendment was passed and implemented effective April 5, 1998. As an interim measure, NPFMC separated black rockfish from the pelagic shelf group in 1997. This enabled federal fishery managers to establish a separate acceptable biological catch (ABC) for black rockfish in the Central Gulf of Alaska. The ABC was based on the council's Tier 6 guidelines, which apply to fisheries with little stock assessment information. Harvest limits were set at 75% of average production from 1978-1995.

After the state assumed black rockfish management authority, several important regulations were implemented to better regulate the fishery. In 1998, the Kodiak Registration Area was subdivided into seven districts and guideline harvest levels (GHLs) for directed effort were assigned to each district (Figure 1). The newly established districts were loosely based on the existing Tanner crab management sections and were created to distribute effort across the area. In 2003, the Alaska Board of Fisheries (BOF) implemented specific black rockfish registration requirements and trip limits in the Kodiak Area. The board also divided the Chignik Area into three management districts each with separate GHLs (Figure 1). In 2005, the South Alaska Peninsula Eastern District was similarly divided into three management sections. An incidental harvest fishery was also established for the Kodiak Area in 2005. Additional regulations have been subsequently adopted to further develop the Westward Region black rockfish fisheries. A summary of current black rockfish regulations is located in Table 4.

REGULATIONS

KODIAK REGISTRATION AREA

Description of the Kodiak Registration Area

The Kodiak Registration Area (Area K) is a nonexclusive registration area for black rockfish and consists of all waters south of a line extending east from Cape Douglas (58° 51.10' N lat.), west of 149° W long., north of 55° 30.00' N lat., and east of a line extending south from the southern entrance of Imuya Bay near Kilokak Rocks (156° 20.22' W long.) (Figure 1). Additional information on Kodiak Area black rockfish can be found on page 48 of the 2009/10 statewide commercial groundfish fishing regulations booklet.

Fishing Season in the Kodiak Registration Area

The Kodiak Area commercial black rockfish fishery opens in all districts on January 1, 2010. The fishery will remain open until December 31, 2010 or until individual district GHs are attained. Black rockfish harvests are monitored through logbooks, fish ticket records, processor reports, and dockside sampling of commercial catches. The department may close districts or partial districts before reaching the GH if fishery performance indicates localized depletion, reduced stock size, or harvest of immature fish. District or partial district closures will be announced via news release, relayed to processors and local radio stations, faxed to the National Weather Service to be read following daily weather reports (VHF channel 10), and placed on the ADF&G recorded information message telephone (907-486-4559).

Permit Requirements and Legal Gear for the Kodiak Registration Area

A valid 2010 Commercial Fisheries Entry Commission (CFEC) interim-use permit is required for participation in the black rockfish fishery. A miscellaneous finfish card, M05B for hand troll or M26B for mechanical jig is required to be in possession prior to registration. Permits may be obtained online from CFEC in Juneau at <http://www.cfec.state.ak.us/> or by calling (907) 786-6150.

Hand troll and mechanical jig machines are the only legal gear types for the directed harvest of black rockfish. Mechanical jig machines may have no more than five lines with no more than 30 hooks per line or have a single continuous line with not more than 150 hooks. Vessel operators registered to use jig gear will be limited to a total of 500 hooks onboard their vessels; however, only 150 hooks may be deployed.

Registration, Bycatch and Logbook Requirements in the Kodiak Registration Area

In the Kodiak Area, black rockfish may be harvested in three different manners: during DIRECTED or INCIDENTAL fisheries or as BYCATCH. Vessels participating in the DIRECTED fishery may not participate in any other directed groundfish fisheries while registered for directed black rockfish. Vessels participating in the Pacific cod jig fishery may register to INCIDENTALLY harvest black rockfish with certain restrictions (see Kodiak trip limits section below). Black rockfish may be retained as BYCATCH (up to 5% of the target species weight) at any time for all gear types, including after the directed fishery closure.

A nonexclusive black rockfish vessel registration is required for Kodiak Area black rockfish DIRECTED or INCIDENTAL fishery participants. Vessels must be registered prior to fishing. Vessels may switch registration types (incidental to directed or directed to incidental) while the

fishery is open. However, those vessels must deliver their catch and change registration in person at the ADF&G Kodiak office prior to resuming fishing operations. A black rockfish registration is not required for vessels that only retain black rockfish as allowable bycatch (no more than 5% by weight of the targeted species) in other groundfish fisheries.

In addition to registering for the directed and incidental black rockfish fisheries, vessel operators are required to check in and check out of individual Kodiak districts by contacting the Kodiak ADF&G office by phone or in person during regular office hours (M-F: 8:00 AM- noon, 1:00-4:30 PM). Vessel operators changing registration from directed Pacific cod to directed black rockfish or directed black rockfish to directed Pacific cod must also do so in person.

While a vessel is registered for the DIRECTED black rockfish fishery, that vessel may not target other species and may only retain the maximum allowable bycatch percentage of other groundfish species. In State waters (0-3 nmi), ADF&G adopts most NMFS maximum retainable bycatch percentages applicable in the EEZ (3-200 nmi). Retainable bycatch percentages are subject to change and may differ between species. Fishermen are reminded that lingcod *Ophiodon elongates*, 35 inches or longer in total length, may only be retained as bycatch from July 1 through December 31. Unless otherwise specified, the maximum bycatch limit for any species of groundfish is 20% by weight of the targeted species. Dark rockfish may only be retained up to 5% by weight of black rockfish onboard. Updated retainable bycatch percentages can be found on the NMFS Alaska Region website at: <http://www.fakr.noaa.gov/> or by contacting ADF&G in Kodiak.

Vessels participating in the Kodiak Area directed or incidental black rockfish fisheries will be issued a black rockfish logbook during registration. Vessel operators are required to complete logbook entries daily while harvesting black rockfish and submit those entries with the corresponding fish tickets at the time of delivery (Appendix A). ADF&G uses logbook information to assess biomass and monitor harvest and effort. All logbook information is confidential and a secured location will be provided at Kodiak Area processors for fishermen to submit logbooks.

District Guideline Harvest Levels (GHLs) Within the Kodiak Registration Area

The total 2010 Kodiak Area black rockfish GHL is 175,000 pounds. Black rockfish district GHLs are as follows:

District	2010 Guideline Harvest Level
Afognak	35,000 pounds
Northeast	20,000 pounds
Eastside	30,000 pounds
Southeast	30,000 pounds
Southwest	20,000 pounds
Westside	20,000 pounds
Mainland	20,000 pounds

Kodiak Trip Limits

A catcher vessel registered to participate in the DIRECTED Kodiak black rockfish fishery may not have on board or sell more than 5,000 pounds (round weight) of black rockfish within a five-day period (5 AAC 28.472). Black rockfish in excess of 5,000 pounds must be weighed, sold, and reported on an ADF&G fish ticket with all proceeds from the overage surrendered to the State of Alaska.

A legally registered catcher processor vessel may have on board or sell black rockfish in excess of the 5,000 pound five-day limit based on the provisions of 5 AAC 28.070 (d). The operator of the catcher processor must obtain written authorization from ADF&G staff in Kodiak prior to retaining more black rockfish than the 5,000 limit for each trip the operator intends to fish. Completed fish tickets for all fish onboard the vessel must be submitted to ADF&G for each trip.

Trip limits vary by district for vessels registered to INCIDENTALLY harvest black rockfish (Table 4). In the Afognak, Northeast, Eastside, and Southeast districts, vessels may incidentally harvest up to 1,000 pounds of black rockfish per landing with a 5-day limit of 2,000 pounds. In the Southwest, Westside, and Mainland districts vessels may incidentally harvest up to 2,500 pounds of black rockfish per landing with a 5-day limit of 5,000 pounds.

Closed Waters within the Kodiak Registration Area

The waters of Monashka Bay inside of a line from Termination Point to Miller Point are closed to the commercial harvest of all rockfish, genus *Sebastes*. Monashka Bay is a rearing area for juvenile rockfish. Additionally, closures exist around Steller sea lion *E. jubatus* rookeries at Marmot and Chirikof Islands. Additional information on sea lion closure areas can be found on the NMFS website: <http://www.fakr.noaa.gov/>.

Landing Requirements for the Kodiak Registration Area

With two exceptions, vessels participating in any directed or incidental black rockfish fishery are required to deliver their catch within 48 hours after a closure. Vessels may have rockfish onboard after the 48 hour period following a closure only when the black rockfish were harvested as allowable bycatch in a different directed fishery or when the vessel has been delayed due to extraordinary circumstances and the vessel operator has contacted a local representative of the department within 48 hours following the closure and has been granted additional time to reach the port of landing.

CHIGNIK REGISTRATION AREA

Description of the Chignik Registration Area

The Chignik Registration Area (Registration Area L) for black rockfish includes all waters on the south side of the Alaska Peninsula between 156° 20.22' W long. (the longitude of the southern entrance to Imuya Bay near Kilokak Rocks) and a line extending 135° southeast from Kupreanof Point (55° 33.98' N lat., 159° 35.88' W long.) (Figure 1). Additional information and district descriptions can be found on page 49 of the 2009/10 statewide commercial groundfish fishing regulations booklet.

Fishing Season in the Chignik Registration Area

The commercial black rockfish fishery opens in all districts on January 1, 2010. The fishery will remain open until December 31, 2010 or until individual district GHGs are attained. Black rockfish harvests are monitored using logbooks, fish ticket records, processor reports and dockside sampling of commercial catches. The department may close districts or partial districts before reaching the GHG if fishery performance indicates localized depletion, reduced stock size, or harvest of immature fish. Area or district closures will be announced via news release, relayed to processors and local radio stations, and placed on the ADF&G recorded information message telephone in Kodiak (907-486-4559).

Permit Requirements and Legal Gear for the Chignik Registration Area

A valid 2010 Commercial Fisheries Entry Commission (CFEC) interim-use permit is required for participation in the black rockfish fishery. A miscellaneous finfish card, M05B for hand troll or M26B for mechanical jig is required to be in possession prior to registration. Permits may be obtained online from CFEC in Juneau at <http://www.cfec.state.ak.us/> or by calling (907) 786-6150.

Hand troll and mechanical jig machines are the only legal gear types for the directed harvest of black rockfish. Mechanical jig machines may have no more than five lines with no more than 30 hooks per line or have a single continuous line with not more than 150 hooks.

Registration, Bycatch and Logbook Requirements in the Chignik Registration Area

A superexclusive black rockfish vessel registration is required for all directed fishery participants in the Chignik Area. Once ADF&G validates the superexclusive registration, the vessel is prohibited from participating in any other black rockfish fishery in the State during 2010. Similarly, if a vessel is registered for a different black rockfish fishery in the State during 2010, it cannot register for the Chignik fishery. Vessels may be registered for multiple groundfish fisheries simultaneously in the Chignik Area, including the Chignik superexclusive state-waters Pacific cod fishery.

Inside state waters (0-3 nmi), ADF&G adopts most NMFS maximum retainable bycatch percentages applicable in the EEZ (3-200 nmi). Retainable bycatch percentages are subject to change and may differ between species. Unless otherwise specified, the maximum bycatch limit for any species of groundfish is 20% by weight of the targeted groundfish species. Dark rockfish may only be retained up to 5% by weight of the targeted species onboard the vessel. Updated retainable bycatch percentages can be found on the NMFS Alaska Region website at <http://www.fakr.noaa.gov/> or by contacting ADF&G in Kodiak.

Vessels participating in directed rockfish fisheries in the Chignik Area will be issued a black rockfish logbook during registration. Vessel operators are required to complete logbook entries daily while harvesting black rockfish and submit those entries with fish tickets at the time of delivery for each black rockfish trip (Appendix A). Logbook information is used to assess biomass and monitor harvest and effort. All logbook information is confidential.

District Guideline Harvest Levels (GHLs) and Trip Limits in the Chignik Registration Area

The GHL for the Chignik Registration Area is 100,000 pounds. The fishery will be managed so that no more than 45,000 pounds are harvested from any one of the three districts. There are no trip limits in the Chignik Area black rockfish fishery.

Closed Waters within the Chignik Registration Area

Waters in the vicinity of Steller sea lion rookery on Chowiet Island are closed to all commercial fishing activity. Additional information on sea lion closure areas can be found on the NMFS website: <http://www.fakr.noaa.gov/>.

Landing Requirements for the Chignik Registration Area

With two exceptions, vessels participating in any directed groundfish fishery are required to deliver their catch within 48 hours after a closure. Vessels may have rockfish onboard after the 48 hour period following a closure only when black rockfish were harvested as allowable bycatch in another directed fishery or when the vessel has been delayed due to extraordinary circumstances and the vessel operator has contacted a local representative of the department within 48 hours following the closure and has been granted additional time to reach the port of landing.

SOUTH ALASKA PENINSULA REGISTRATION AREA, EASTERN DISTRICT

Description of the South Alaska Peninsula Registration Area, Eastern District

The South Alaska Peninsula Registration Area consists of all waters between a line extending 135° southeast from Kupreanof Point (55° 33.98' N Lat., 159° 35.88' W Long.) to 170° W Long., including those waters south of the latitude of Nichols Point near False Pass (Figure 1). Management authority for black rockfish fisheries in the South Peninsula Area is shared between the ADF&G Kodiak and Dutch Harbor offices. The Eastern District consists of all waters east of the longitude of the Scotch Cap Light (164° 44' W long) and is managed from the Kodiak office. The Western District (east of 170° W Long. to Scotch Cap Light) is managed from the Dutch Harbor office. Information on black rockfish fisheries in the Eastern District is outlined below. Fishery information for black rockfish in the Western District as well as the Aleutian Islands Area can be obtained by contacting ADF&G staff in Dutch Harbor at (907) 581-1239.

Fishing Season in the South Alaska Peninsula Registration Area, Eastern District

The commercial black rockfish fishery opens in the area on January 1, 2010. The fishery will remain open until December 31, 2010 or until the GHL is attained. Similar to the Kodiak and Chignik areas, black rockfish harvests are monitored using logbooks, fish ticket records, processor reports and dockside sampling of commercial catches. The department may close the district or individual sections before reaching the GHL if fishery performance indicates localized depletion, reduced stock size, or harvest of immature fish. Area or partial area closures will be announced via news release, relayed to processors and local radio stations, and placed on the ADF&G recorded information message telephone in Kodiak (907-486-4559).

Permit Requirements and Legal Gear for the South Alaska Peninsula Registration Area, Eastern District

A valid 2010 Commercial Fisheries Entry Commission (CFEC) interim-use permit is required for participation in the black rockfish fishery. Permits may be obtained directly from CFEC in Juneau at: <http://www.cfec.state.ak.us/> or by calling (907) 786-6150.

Hand troll and mechanical jig machines are the only legal gear types for the directed harvest of black rockfish. Mechanical jig machines may have no more than five lines with no more than 30 hooks per line or have a single continuous line with not more than 150 hooks.

Registration, Bycatch and Logbook Requirements for the South Alaska Peninsula Area, Eastern District

A nonexclusive black rockfish registration is required for all directed fishery participants in the South Alaska Peninsula Area Eastern District. A vessel registration must be obtained prior to fishing. Vessels may be registered for multiple groundfish fisheries simultaneously in the South Alaska Peninsula Area, including the state-waters Pacific cod fishery.

In state waters (0-3 nmi), ADF&G adopts most NMFS maximum retainable bycatch percentages applicable in the EEZ (3-200 nmi). Retainable bycatch percentages are subject to change and may differ between species. Unless otherwise specified, the maximum bycatch limit for any species of groundfish is 20% by weight of the targeted groundfish species. Dark rockfish may only be retained up to 5% by weight of black rockfish onboard. Updated retainable bycatch percentages can be found on the NMFS Alaska Region website: <http://www.fakr.noaa.gov/> or by contacting ADF&G in Kodiak.

Vessels participating in directed rockfish fisheries in the South Alaska Peninsula Area will be issued a black rockfish logbook during registration. Vessel operators are required to complete daily logbook entries while harvesting black rockfish. Logbook entries are submitted fish tickets at the time of delivery for each black rockfish trip (Appendix A). Logbook information is used to assess biomass and monitor harvest and effort. All logbook information is confidential.

District Guideline Harvest Levels (GHLs) and Trip Limits in the South Alaska Peninsula Area, Eastern District

The GHL for the South Alaska Peninsula Registration Area, Eastern District is 75,000 pounds. There are no black rockfish trip limits in the South Alaska Peninsula Area, Eastern District.

Closed Waters within the South Alaska Peninsula Registration Area, Eastern District

Waters in the vicinity of Steller sea lion rookeries on Clubbing Rocks North, Clubbing Rocks South, Atkins Island, Chernabura Island and Pinnacle Rock are closed to all commercial fishing activity. Additional information on sea lion closures can be found on the NMFS website: <http://www.fakr.noaa.gov/>.

Landing Requirements for the South Alaska Peninsula Registration Area, Eastern District

With two exceptions, vessels participating in any directed groundfish fishery are required to deliver their catch within 48 hours after a closure. Vessels may have rockfish onboard after the

48 hour period following a closure only when the black rockfish were harvested as allowable bycatch in another directed fishery or when the vessel has been delayed due to extraordinary circumstances and the vessel operator has contacted a local representative of the department within 48 hours following the closure and has been authorized additional time to reach the port of landing.

TABLES AND FIGURES

Table 1.—Catch and effort in the Kodiak Registration Area black rockfish fisheries, 1990-2009.

Year	Vessels	Landings	Directed GHL	Total Harvest (pounds)	Average Price/Lb. (\$)
1990	10	41		65694	\$0.10
1991	59	339		868560	\$0.17
1992	43	182		482324	\$0.16
1993	18	63		107831	\$0.20
1994	28	132		119038	\$0.36
1995	38	192		315660	\$0.43
1996	48	177		306162	\$0.44
1997	62	310		223298	\$0.38
1998	74	362	190,000	200197	\$0.32
1999	78	316	185,000	131986	\$0.41
2000	91	282	185,000	255044	\$0.42
2001	54	194	185,000	220825	\$0.48
2002	41	143	185,000	204547	\$0.34
2003	49	106	185,000	85362	\$0.24
2004	48	135	185,000	123405	\$0.32
2005	32	96	175,000	117188	\$0.40
2006	44	125	175,000	153158	\$0.37
2007	47	134	175,000	169558	\$0.28
2008	27	105	175,000	136890	\$0.48
2009	35	91	175,000	121329	\$0.48

Table 2.—Catch and effort in the Chignik Registration Area black rockfish fisheries, 1990-2009.

Year	Vessels	Landings	Directed GHL	Total Harvest (pounds)	Average Price/Lb. (\$)
1990	0	0		0	\$0.00
1991	0	0		0	\$0.00
1992	0	0		0	\$0.00
1993	0	0		0	\$0.00
1994	0	0		0	\$0.00
1995	5	6		25,125	\$0.49
1996	11	25		201,774	\$0.36
1997	10	40		80,742	\$0.23
1998	14	34	100,000	87,774	\$0.28
1999	16	41	100,000	11,437	\$0.25
2000	10	17	100,000	92,596	\$0.43
2001	14	35	100,000	100,484	\$0.41
2002	10	18	100,000	81,043	\$0.32
2003	15	46	100,000	46,952	\$0.42
2004	8	28	100,000	99,025	\$0.27
2005	10	19	100,000	49,796	\$0.38
2006	3	5	100,000	61,288	\$0.45
2007	5	10	100,000	60,998	\$0.20
2008	**	**	100,000	**	**
2009	**	**	100,000	**	**

** = Confidential Information

Table 3.—Catch and effort in the South Alaska Peninsula Registration Area, Eastern District black rockfish fisheries, 1990-2009.

Year	Vessels	Landings	Directed GHL	Total Harvest (pounds)	Average Price/Lb. (\$)
1990	**	**		**	**
1991	**	**		**	**
1992	0	0		0	\$0.00
1993	0	0		0	\$0.00
1994	0	0		0	\$0.00
1995	8	49		120,745	\$0.33
1996	23	86		155,409	\$0.24
1997	17	50		184,698	\$0.34
1998	21	61	100000	111,116	\$0.30
1999	23	41	100000	71,241	\$0.39
2000	25	80	100000	95,579	\$0.37
2001	31	83	100000	100,699	\$0.38
2002	15	53	100000	116,665	\$0.32
2003	10	13	100000	10,932	\$0.21
2004	28	45	100000	9,719	\$0.26
2005	22	38	100000	61,122	\$0.36
2006	10	15	75000	7,228	\$0.36
2007	36	106	75000	45,015	\$0.36
2008	**	**	75000	**	**
2009	**	**	75000	**	**

** = Confidential Information

Table 4.–Summary of black rockfish regulations by registration area.

	Kodiak	Chignik	South Alaska Peninsula
Opening Date	January 1	January 1	January 1
Registration	Nonexclusive	Superexclusive	Nonexclusive
Trip Limits	<p>Directed Fishery: 5-day limit of 5,000 lbs</p> <p>Incidental Fishery: 1,000 lbs per landing with 5-day trip limit of 2,000 lbs in <u>Afognak, Northeast, Eastside and Southeast</u> districts</p> <p>2,500 lbs per landing with 5-day trip limit of 5,000 lbs in <u>Southwest, Westside and Mainland</u> districts</p>	None	None
Logbook	Mandatory	Mandatory	Mandatory
CFEC Permit and gear types	M05B for hand troll or M26B for mechanical jig	M05B for hand troll or M26B for mechanical jig	M05B for hand troll or M26B for mechanical jig
Vessel Registration	Mandatory	Mandatory	Mandatory
Number of Jig Machines	5 Maximum	5 Maximum	5 Maximum
Number of Hooks	Up to 30 per line or a single continuous line with 150 hooks No more than 500 hooks onboard vessel	Up to 30 per line or a single continuous line with 150 hooks	Up to 30 per line or a single continuous line with 150 hooks

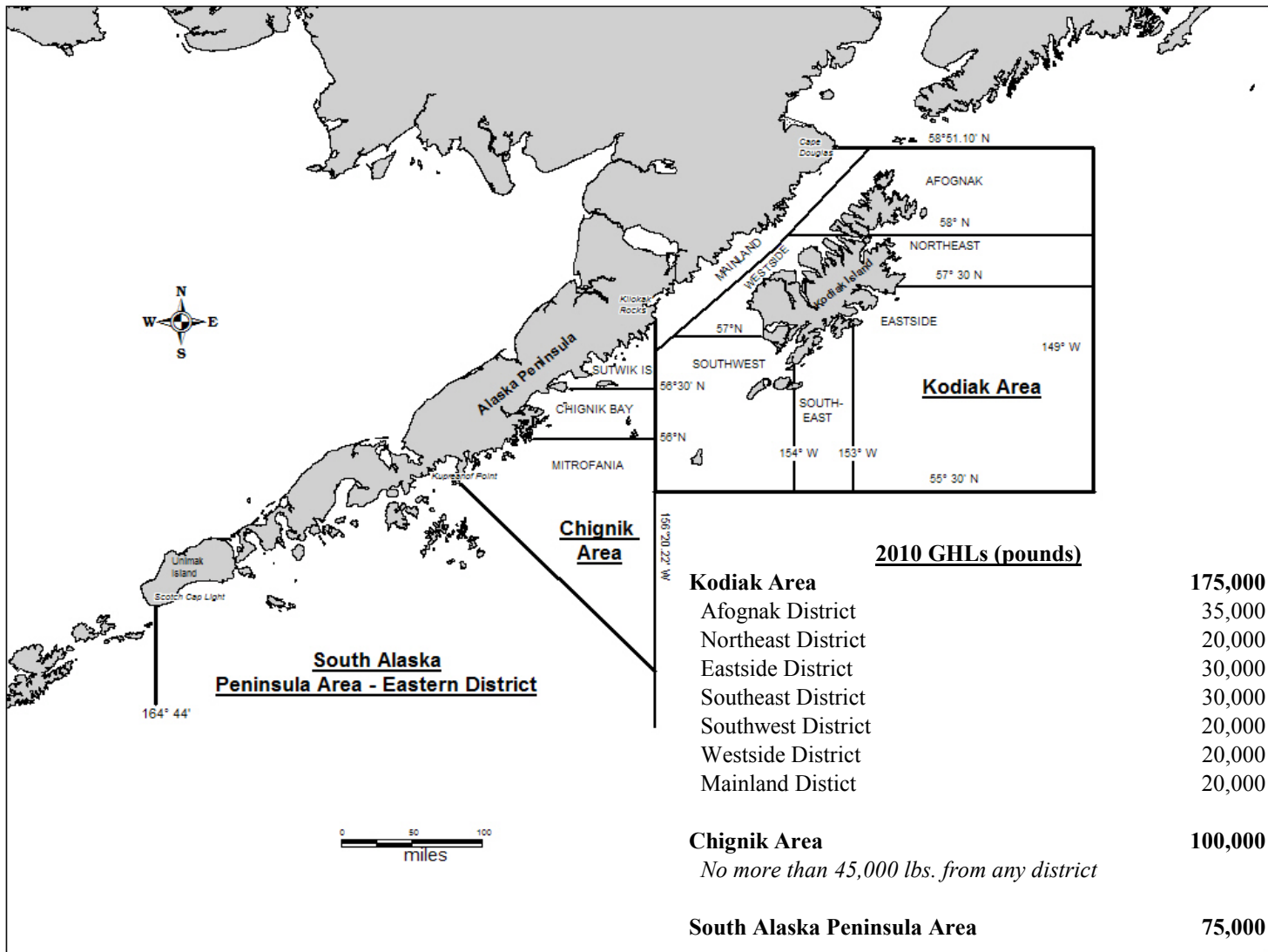


Figure 1.—Map of black rockfish registration areas and districts with GHs.

**APPENDIX A. EXAMPLE OF BLACK ROCKFISH
LOGBOOK**

Appendix A1.-Example of black rockfish logbook.

STATE OF ALASKA DEPARTMENT OF FISH & GAME		CONFIDENTIAL INFORMATION BLACK ROCKFISH LOGBOOK						FOR ADFG OFFICE USE ONLY						
								FISH TICKET NUMBER						
Permit Holder _____		District Registration _____			Trip Start Date _____			CIF _____ Sample _____ Fish Ticket _____						
Permit Number _____		<i>Check one:</i>			Trip End Date _____									
Vessel _____		Directed _____ Incidental _____			Delivery Date _____									
ADF&G No. _____					Processor Name _____									
Date (mm/dd/yy)	Harvest Location (REQUIRED)		Statistical Area	Number of Fish Retained				Avg. Depth (fathoms)	Number of		Fishing Time			
	Latitude (dd mm.mm)	Longitude (ddd mm.mm)		Black RF	Dark RF	Dusky RF	P.Cod		Jig Machines	Hooks/ Jig	Start Time (00 00)	Stop Time (23 50)	Total (Minutes)	
5/15/10	57° 22.86	152° 21.90	525701	E	X	A	M	P	E	3	15	15 10	15 30	20
Comments:								Discards: <i>(please list pounds)</i> Black RF _____ P. Cod _____ Dark RF _____ Halibut _____ Dusky RF _____ Other _____						
X _____ Signature of Permit/License Holder			FOR ADFG USE ONLY						State Copy Revised 12/09					
			Total lbs. From Fish Ticket											

CONFIDENTIAL INFORMATION

Please fill out one line for each drift location fished, complete all fields, and turn in one logbook per trip.
 Logbooks must be submitted with fish tickets or placed in the confidential drop box at processors.

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