

**Fishery Management Report No. 09-44**

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**Fishery Management Plan for the Commercial Tanner  
Crab Fishery in the South Peninsula District of  
Registration Area J, 2010**

by

**Mark A. Stichert**

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December 2009

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 figure or figure captions.

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

***FISHERY MANAGEMENT REPORT NO. 09-44***

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CRAB FISHERY IN THE SOUTH PENINSULA DISTRICT OF  
REGISTRATION AREA J, 2010**

by

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December 2009

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

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ADF&G Division of Sport Fish, Research and Technical Services, 333 Raspberry Road, Anchorage AK 99518 (907) 267-2375.

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## **ABSTRACT**

The Western and Eastern sections of the South Peninsula District will open for a commercial Tanner crab *Chionoecetes bairdi* fishery on January 15, 2010 with a combined guideline harvest level of 500,000 pounds. This document provides an overview of the harvest strategy for South Peninsula Tanner crab fishery. Information on gear specifications, pot storage, landing requirements, gear operation hours, tank inspection and inseason reporting is provided. Fishermen are encouraged to use this document as a supplement to the 2008-2011 Commercial King and Tanner Crab Fishing Regulation booklet to understand the regulations governing this fishery.

Key words: Tanner crab, *Chionoecetes bairdi*, South Peninsula District, Area J, harvest strategy, regulations, guideline harvest level (GHL), management plan

## **INTRODUCTION**

### **AREA DESCRIPTION**

The South Peninsula District of Registration Area J for Tanner crabs *Chionoecetes bairdi* includes all Pacific Ocean waters south of the Alaska Peninsula, west of the line from Kupreanof Point to the easternmost point of Castle Rock, then extending 135° southeast from the easternmost point of Castle Rock, and east of the longitude of Scotch Cap Light (Figure 1). The South Peninsula District is divided into two sections, the Eastern Section (all waters east of 162°W. long.) and the Western Section (all waters west of 162° W. long.). A full description of the district can be found in 5 AAC 35.505 DESCRIPTION OF REGISTRATION AREA J DISTRICTS on page 144 of the 2008-2011 Commercial King and Tanner Crab Fishing Regulations.

### **OVERVIEW**

Commercial harvests of Tanner crab in the South Peninsula District began in 1967. The fishery grew quickly and by the 1972/73 season the annual harvest exceeded five million pounds. In response, guideline harvest levels (GHLs), fishery seasons, and crab size limits were implemented over the following three years. From 1979 through 1989 annual harvests ranged from a high of almost nine million pounds to a low of one million pounds.

In the late 1980s, the Alaska Department of Fish and Game (ADF&G) began a trawl survey to obtain abundance estimates and predict future recruitment trends of Tanner crabs in the South Peninsula District. Prior to this time, pot surveys were used for stock assessment (Urban et al. 1999). In 1989, ADF&G predicted a decline in recruitment based on analysis of the trawl survey data and the fishery was closed from 1990 through 2000 due to the low abundance and lack of recruitment of legal-sized crab.

In 1999, the Alaska Board of Fisheries (BOF) adopted a comprehensive harvest strategy for Tanner crab in the South Peninsula District (5 AAC 35.507).

### **RECENT FISHERIES**

#### **2008 Fishery**

Only the Western Section met the required criteria for a commercial opening in 2008 with a GHL of 250,000 pounds. The Eastern Section remained closed. Based on the GHL, the pot limit was set at 30 pots per vessel. The South Peninsula District opened by regulation at NOON on January 15 and closed by emergency order on March 5, 2008. Nine vessels participated in the

fishery. Tanner crab harvest, including deadloss and personal use, totaled approximately 235,841 pounds from 42 landings. The majority of harvest occurred in Morzhovoi Bay.

### **2009 Fishery**

Unlike 2008, the Eastern Section met the minimum required criteria for a commercial Tanner crab fishery in 2009. However, the exploitation rate necessary to meet the minimum GHL threshold of 200,000 pounds for an opening was inconsistent with the conservative management practices and the Eastern Section remained closed for the 2009 season.

During 2009, the Western Section met the required criteria for a commercial opening with a GHL of 275,000 pounds. Based on the GHL, the pot limit was set at 30 pots per vessel. The Western Section opened by regulation at NOON on January 15 and closed by emergency order on February 27, 2009. Twelve vessels participated in the fishery. Tanner crab harvest, including deadloss and personal use, totaled 265,561 pounds from 66 landings. The majority of harvest occurred in Morzhovoi Bay although notable harvests occurred in Cold Bay and near Deer Island.

### **2010 GUIDELINE HARVEST LEVELS**

Based on the 2009 ADF&G trawl assessment survey, the Eastern and Western sections were both above population thresholds for a 2010 commercial Tanner crab fishery. The 2010 section Tanner crab GHGs in South Peninsula District are as follows:

<b>Area</b>	<b>2010 Guideline Harvest Level (pounds)</b>
Western Section	200,000
Eastern Section	300,000
<b>South Peninsula District Total</b>	<b>500,000</b>

## **REGULATIONS**

### **OVERVIEW**

State of Alaska Tanner crab regulations are in chapter 35 of the Alaska Administrative Code (AAC). Chapter 35 begins on page 124 of the 2008-2011 Commercial King and Tanner crab regulation booklet. Specific regulations that pertain to Tanner crab fisheries in Registration Area J begin on page 143. The harvest strategy, 5 AAC 35.507 KODIAK, CHIGNIK, AND SOUTH PENINSULA DISTRICTS, *C. BAIRDI* TANNER CRAB HARVEST STRATEGIES, can be found on pages 146-149. For information on additional regulations, contact the ADF&G office in Kodiak or refer to the ADF&G website at <http://www.state.ak.us/adfg/>. The following is a summary of relevant 2010 Tanner crab fishing regulations in the South Peninsula District, particularly those that have changed as a result of recent BOF actions.

- The South Peninsula District Tanner crab fishery is a nonexclusive registration fishery.
- The South Peninsula District has two sections, the Eastern Section (all waters east of 162°W. long.) and the Western Section (all waters west of 162° W. long.). Each section has a

separate minimum threshold for Tanner crab and each section is managed separately under 5 AAC 35.507 KODIAK, CHIGNIK, AND SOUTH PENINSULA DISTRICTS *C. BAIRDI* TANNER CRAB, HARVEST STRATEGIES.

- Fishing gear may be operated for 10 hours each day from 8:00 AM to 5:59 PM. Baited gear may be left in the water for 14 hours from 6:00 PM to 7:59 AM each night, 5 AAC 35.510, FISHING SEASONS FOR REGISTRATION AREA J (c).
- A person or vessel that operates pot gear (e.g., cod pots, subsistence pots, etc.) at any time during the 14 days immediately before the South Peninsula District Tanner crab fishery opening may not participate in the upcoming commercial Tanner crab fishery, 5 AAC 35.053 OPERATION OF OTHER POT GEAR.
- A vessel may not operate groundfish pots while registered for the commercial Tanner crab fishery, including pots to catch cod for bait, 5 AAC 35.050, LAWFUL GEAR FOR TANNER CRAB. Cod caught as bycatch in crab pots may be used for bait.
- Only vessels 58' or less in length may participate in the commercial Tanner crab fishery in the South Peninsula District 5 AAC 35.590 VESSEL LENGTH RESTRICTIONS (b).

## **POT LIMITS AND BUOY TAGS**

When the district GHLL is less than 600,000 pounds, no more than 30 aggregate pots (including stored pots) may be operated by a validly registered Tanner crab vessel. With a total GHLL of 500,000 pounds, the pot limit for the 2010 South Peninsula District Tanner crab fishery will be 30 pots per vessel.

Buoy tags are required on all gear fished and will be available in person at the ADF&G office in Kodiak or through U.S. Mail beginning in mid-December. Tags will not be issued via U.S. Mail after December 31, 2009. A valid 2010 Tanner crab Commercial Fisheries Entry Commission (CFEC) permit card is required to receive tags. Tags may also be obtained from department representatives in King Cove beginning approximately January 10. Contact ADF&G in Kodiak at (907) 486-1840 for additional information on buoy tags.

Replacement tags may be obtained by contacting ADF&G in Kodiak. The vessel owner, operator, or agent must complete an affidavit form describing how the tags were lost and supply the unique number(s) of each lost tag.

Pots with lost tags may be left in the water but those pots must be secured open with the bait removed until replacement tags are obtained. Vessel operators must contact Alaska State Troopers Division of Fish and Wildlife Protection to report untagged pots (see Appendix A for contact information).

## **GEAR**

Gear for the commercial Tanner crab fishery is limited to pots no more than 10 feet long by 10 feet wide by 42 inches high with rigid tunnel eye openings that are less than five inches (13 cm) in height. Individual tunnel eye openings must be more than 36 inches in perimeter. Ring nets are not legal gear in the South Peninsula District for the commercial harvest of Tanner crabs. The specific language regarding legal pot dimensions can be found under 5 AAC 35.050 LAWFUL GEAR FOR TANNER CRAB on page 128 of the crab regulations.

## **ESCAPE MECHANISMS**

Escape mesh or escape rings are required for Tanner pots. Each pot used to take Tanner crab must have at least one third of one vertical surface of the pot composed of not less than 7 ¼ inch stretched mesh webbing or have no less than four circular escape rings which have an inside diameter of at least five inches. If using escape rings, they must be installed on the vertical plane of the pot to allow for escapement of undersized crabs. Escape rings are not required to be placed within a certain distance from the bottom of the pot as they are in some Bering Sea fisheries. However, ADF&G recommends placing rings within one mesh of the bottom of the pot to optimize escapement of undersized crabs. The specific language on escape device requirements can be found under 5 AAC 35.525 LAWFUL GEAR FOR REGISTRATION AREA J on page 154 of the crab regulations.

All pots must be equipped with a biodegradable escape mechanism as described in 5 AAC 39.145 ESCAPE MECHANISM FOR SHELLFISH AND BOTTOMFISH POTS on page 59 of the crab regulations. An opening 18 inches or greater in length placed within six inches of the bottom of the pot must be laced, sewn, or secured together by a single length of untreated, 100 percent cotton twine no larger than 30 thread.

## **BUOY MARKING REQUIREMENTS**

Buoys attached to pots must comply with 5 AAC 35.051 TANNER CRAB GEAR MARKING REQUIREMENTS listed on page 128 and 5 AAC 35.526 TANNER CRAB POT MARKING REQUIREMENTS FOR REGISTRATION AREA J on page 155 of the crab regulations. The buoy that contains the ADF&G number may not be marked with any additional numbers; however, symbols and letters are acceptable on this buoy. Trailer or other buoys used to mark ownership or string sequence may be marked with any desired numbers, symbols, or letters.

The use of converted pots as ‘storage boxes’ to store crabs in the water for vessels registered as dry tanked vessels is not permitted unless the crab storage devices are attached to the vessel at all times.

## **OPERATION OF OTHER POT GEAR, POT STORAGE, AND LANDING REQUIREMENTS**

There is a 14-day stand down period for pot gear operation prior to the commercial Tanner crab fishery opening in the South Peninsula District. No person or vessel intending to participate in the commercial Tanner crab fishery may operate commercial, subsistence, sport, or personal use pots for any species within the district during the 14-day stand down period.

Legal Tanner crab pots with buoy tags attached may be placed into shallow water storage during the 14-day stand down period. Up to 30 pots may be stored prior to the season in waters of 25 fathoms or less with all bait and bait containers removed and the doors secured fully open (or not secured closed for cone or pyramid pots; (5 AAC 35.527(3) & 5 AAC 35.052). However, vessels may not retrieve gear already in legal storage to attach buoy tags during the 14-day stand down period. In addition, vessels may not retrieve gear from storage during the 24-hour period after tank inspection, but before the fishery opening. At the time of tank inspection, all gear onboard the vessel and in the water must have buoy tags attached.

No vessel may have more than the specified pot limit onboard or in wet storage in the registration district while the vessel is validly registered. Additional information concerning pot

storage can be found at 5 AAC 35.527 TANNER CRAB POT STORAGE REQUIREMENTS FOR REGISTRATION AREA J on page 156 of the crab regulations.

After the closure of the Tanner crab season, vessels wishing to participate in the Pacific cod fishery must either place pots into shallow-water storage or on land and register with ADF&G for the cod fishery. Additional stipulations on the operation of other pot gear within the South Peninsula District can be found under 5 AAC 35.053 OPERATION OF OTHER POT GEAR on page 129 of the crab regulations.

## **SUMMARY OF CLOSURE SCENARIOS**

Delivery requirements, post-closure pot storage requirements, and re-registration requirements vary depending on the type of area closure (entire or partial section) and the amount of advance notice given for the closure. The following is a summary of closure scenarios, subsequent pot storage options, delivery requirements, and re-registration requirements contained in 5 AAC 35.030, 5 AAC 35.031, 5 AAC 35.052, 5 AAC 35.527, and 5 AAC 35.556.

### **Closure of the entire section with 6 or more hours advance notice of the closure given.**

- Vessel operators are required to deliver all catch from the section within 24 hours of the closure.
- All pots must be unbaited at the time of the closure.
- In the South Peninsula District, pots may be stored in the water without bait at any depth up to **7 days** after the closure of the commercial Tanner crab season (5 AAC 35.527 (3)).

### **Closure of the entire section with less than 6 hours advance notice of the closure given.**

- Vessel operators are required to proceed directly to port at the time of the closure and deliver within 24 hours.
- Vessel operators may not place gear in storage or retrieve pots from storage until they have completed their delivery of crabs from the closed section.
- Vessel operators are required to return to the fishing grounds within 72 hours after their delivery to ‘rail dump’ all crab from baited gear left on the grounds.

### **Partial closure of a fishing section with 6 or more hours advance notice of the closure given.**

This situation occurs when bays or other specific areas within the open sections close prior to closure of the entire section.

- Vessel operators may be required to deliver all crabs from the section within 24 hours of the closure. Any changes to the delivery requirement would be provided in a news release at the time of the closure announcement.
- Pot gear in the closed area of the section must be unbaited at the time of the closure.
- Vessel operators may store pots in waters deeper than 25 fathoms for 72 hours in the closed waters of the section.
- Vessel operators may place, or simultaneously have, baited gear in the open waters of the same section before delivery provided the 24-hour delivery deadline is met.

### **Partial closure of a fishing section with less than 6 hours advance notice of the closure given.**

This scenario is unlikely. Should this type of closure occur, the landing, pot storage, and re-registration requirements will be provided in a news release.

Vessel operators wishing to deliver to ports outside the South Peninsula District are required to contact the ADF&G office in Kodiak, or ADF&G personnel in King Cove or Sand Point if available, prior to leaving the district. Vessels delivering outside the district must provide the estimated number of crabs onboard the vessel at the time of the closure, location of the intended port and processing facility, and estimated time of arrival. Additional requirements exist for mechanically disabled catcher-processors and catcher-vessels. Delays due to weather will be addressed on an individual basis (5 AAC 35.031 TANNER CRAB LANDING REQUIREMENTS page 126-127 of the crab regulations).

### **VESSEL SIZE RESTRICTIONS, REGISTRATION, AND TENDERS**

Tanner crab may not be taken in the South Peninsula District by vessels greater than 58 feet in overall length (5 AAC 35.590 (b) VESSEL LENGTH RESTRICTIONS page 158 of the crab regulations). Additionally, all vessels must register with ADF&G prior to fishing. Vessels may not be registered for, or fish in, the Eastern and Western sections simultaneously. However vessels may change vessel registrations during the season by contacting ADF&G in Kodiak. Vessel operators must have a 2010 permit card for Alaska Peninsula (T09M) Tanner crab and a current 2010 commercial vessel license prior to registration. Permits and vessel licenses can be obtained from the CFEC in Juneau (Appendix A).

Tender vessels must register with ADF&G prior to beginning tendering operations. Tender vessels may not have a pot-hauling block or other crab fishing gear (e.g. pots) onboard nor may they be used to harvest Tanner crab (5 AAC 35.033).

### **TANK INSPECTIONS**

Tank inspections are required for vessels with circulating sea water systems. Circulating sea water systems include on-deck containers with water circulated by pumps, hoses, or other means. Onboard pot gear will also be examined at the time of tank inspection to ensure all gear is in compliance with area regulations. Tanks inspections will begin at 12:00 PM (NOON) on January 14 in King Cove and Sand Point. Upon completion of tank and gear inspection, a valid 2010 shellfish registration will be issued to the vessel. A copy of the registration must remain onboard the vessel while fishing. This registration becomes invalid 24 hours after the closure of the fishery. Vessels must invalidate their registration by contacting ADF&G in Kodiak before participating in other fisheries if the Tanner crab fishery is still open.

### **SIZE LIMIT**

The legal minimum size of Tanner crabs that can be harvested in the South Peninsula District is 5.5 inches (140 mm) carapace width (CW). Only legal-size male crabs can be retained; all other crabs incidentally captured must be immediately returned to the water unharmed. This includes king crab, as they cannot be legally retained for subsistence or personal use in a commercial Tanner crab fishery.

## INSEASON FISHERY MANAGEMENT

ADF&G will manage bays and offshore areas independently within the Eastern and Western sections based on the 2009 trawl survey assessment results. As in previous years, much of the estimated 2010 legal crab biomass is unevenly distributed (Figure 2). Thus, individual areas within each section may be closed while other locations within the same section will remain open to prevent overharvest of localized crab populations.

Fishery performance as measured by catch per unit effort (CPUE) of legal crabs will be closely monitored as will reports of undersized and/or female crabs. As the stocks within the South Peninsula District are still rebuilding, closures may occur before the total GHF is achieved if CPUE indicates the number of legal-sized males has substantially declined or if excessive handling of sublegal and female crabs is occurring. The regulatory season closure date is March 31.

## INSEASON CATCH REPORTING

ADF&G will manage the South Peninsula District commercial Tanner crab fishery from inseason catch reports provided by participating vessels and processors. Inseason reports allow for real-time fishery management and the ability to consider changes in effort, fleet behavior, and weather. ADF&G will make every effort to allow sufficient time for vessels to configure gear for storage or to place gear onboard before a closure; however, the potential exists for a short advance notice closure.

Effective fisheries management requires timely and accurate fishery performance information. All validly registered vessels are strongly encouraged to participate in the reporting process. Each vessel will be issued a 2010 reporting code and worksheet during registration. Reports will be taken over marine VHF channel 6 (King Cove), telephone (Kodiak Office 486-1853), satellite dispatch system, or e-mail. The ADF&G Kodiak office uses the Matrix<sup>1</sup> (7894) dispatch service. Vessel operators will be asked for their preferred reporting method during the registration process.

Contents of the daily report will contain confidential codes for the following information: statistical area fished, number of pot lifts, and number of crabs retained for each 10-hour fishing period. Reports will be initially taken at 6:30 PM daily and may be transmitted via, marine telex, e-mail, satellite dispatch, and satellite or cell phone. Depending on effort, the department may change the reporting schedule to 9:00 AM at any time during the season.

Closure announcements or changes in the reporting schedule will be communicated to the fleet by dispatch service or through participating processors. Current fishery status will also be available on the ADF&G recorded information phone at 486-4559, option 2. Inseason updates, changes to the reporting schedule, and closure announcements will additionally be distributed via e-mail, FAX, and communicated directly to all participating processing facilities.

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<sup>1</sup> Use of trade names does not constitute an endorsement by ADF&G.

## **REFERENCE CITED**

Urban, D., D. Pengilly, D. Jackson, and I. Vining. 1999. A Tanner crab harvest strategy for Kodiak, Chignik, and the South Peninsula Districts. A Report to the Board of Fisheries. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 4K99-21, Kodiak.

## **FIGURES**

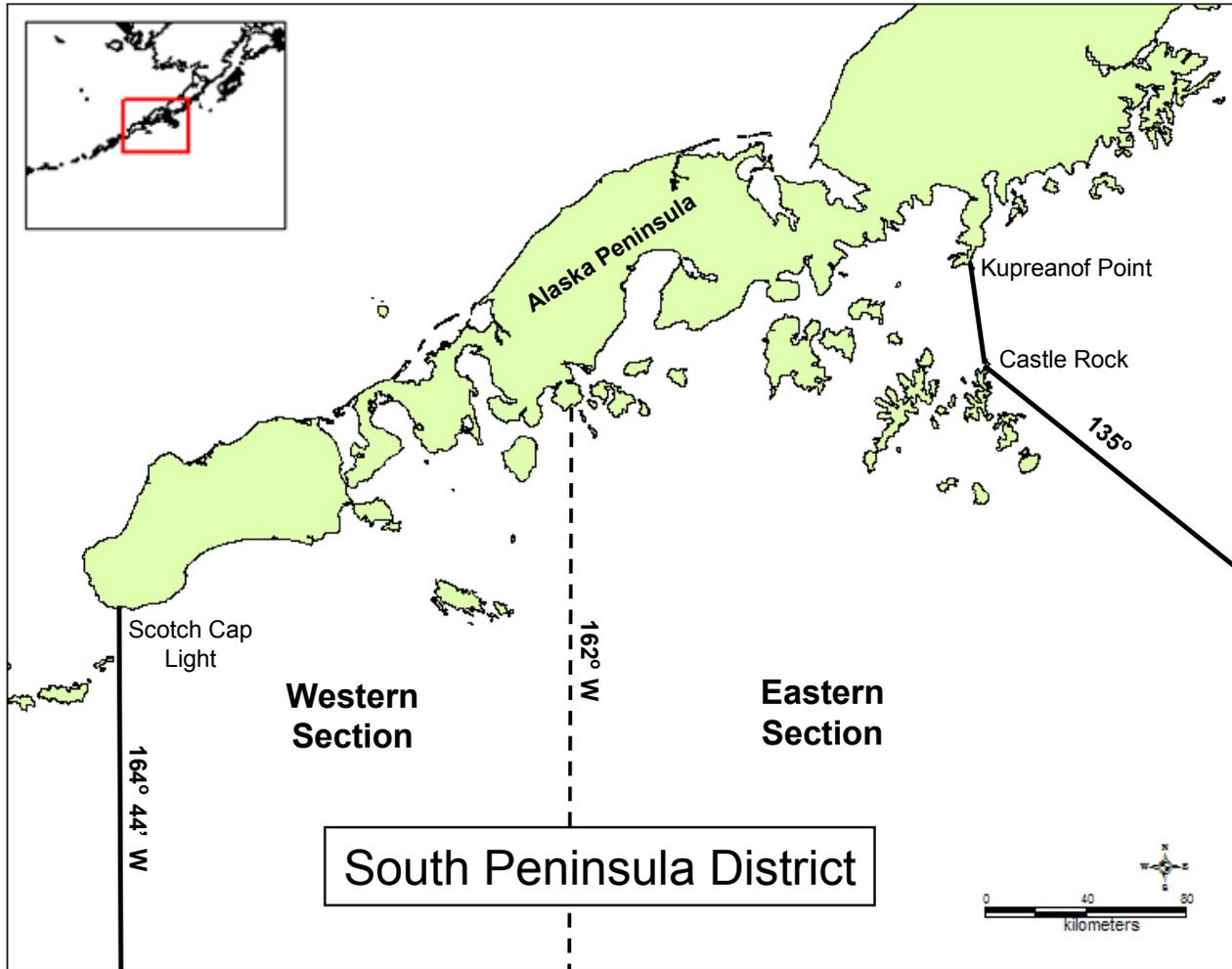


Figure 1.–South Peninsula Tanner crab district and sections, 2010.

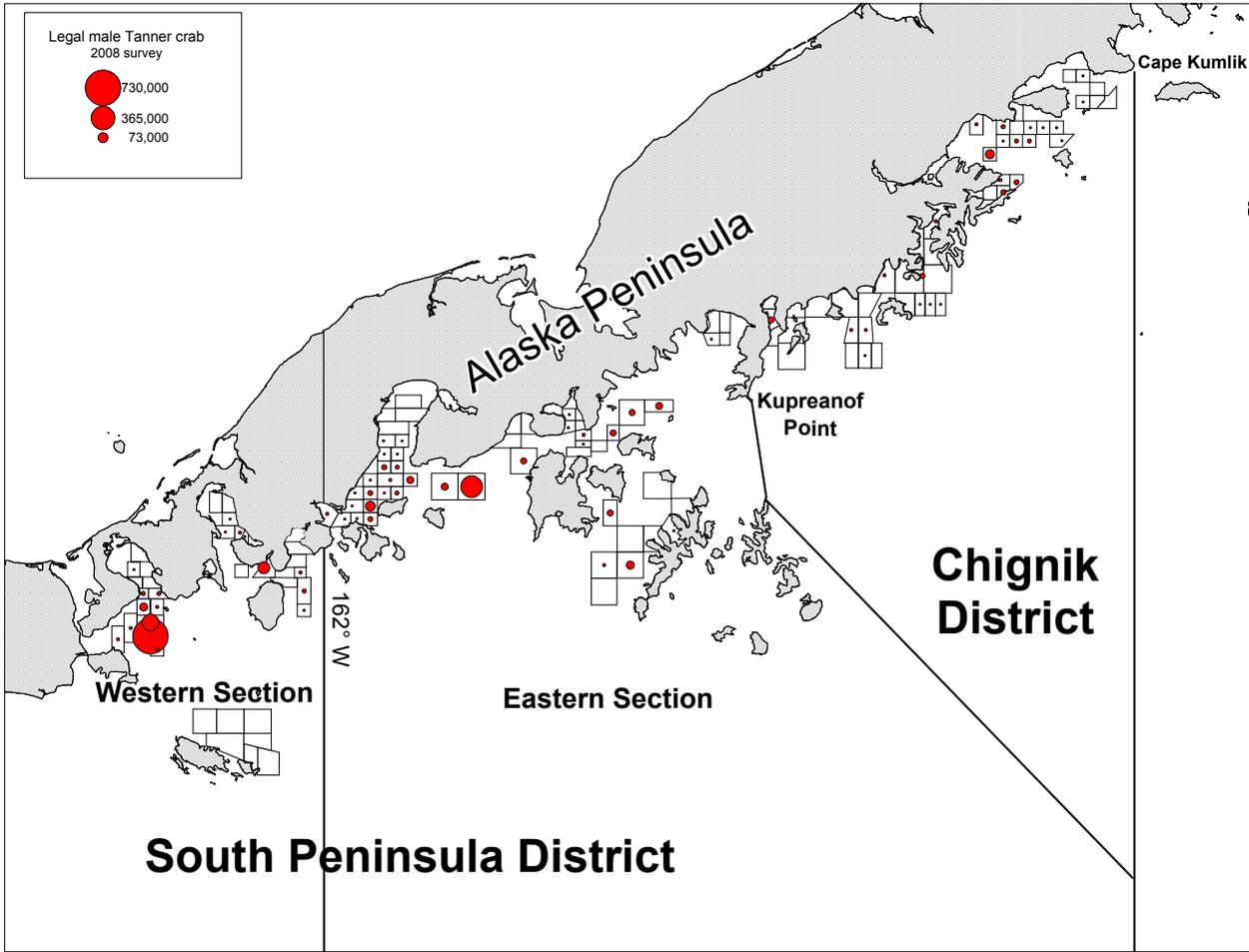


Figure 2.—Population estimates of legal-size Tanner crabs in the Chignik and South Peninsula districts from the 2009 trawl survey.



**APPENDIX A. LIST OF FISHERY CONTACTS BY  
AGENCY AND LOCATION**

Appendix A1.–List of fishery contacts, by agency and location.

**Alaska Department of Fish and Game**

web site: <http://www.cf.adfg.state.ak.us/region4/rgn4home.php>

**Kodiak Office**

**Mail Address:** 211 Mission Road  
Kodiak, Alaska 99615      **Physical Address:** 211 Mission Road  
2<sup>nd</sup> floor, Kodiak      **Phone:** (907) 486-1840      **Record-A-Phone:** (907) 486-4559  
**FAX :** (907) 486-1824

Wayne Donaldson      Westward Region Shellfish/Groundfish Biologist      wayne.donaldson@alaska.gov  
Nick Sagalkin      Kodiak, Chignik, Alaska Peninsula Area Shellfish/Groundfish Biologist      nick.sagalkin@alaska.gov  
Mark Stichert      Kodiak, Chignik, Alaska Peninsula Asst. Area Shellfish/Groundfish Biologist      mark.stichert@alaska.gov  
Kally Spalinger      Kodiak, Chignik, Alaska Peninsula Shellfish/Groundfish Biologist      kally.spalinger@alaska.gov

**Dutch Harbor Office**

**Mail Address:** P. O. Box 920587  
Dutch Harbor, Alaska 99692      **Physical Address:** F.T.S. building, 2<sup>nd</sup> floor  
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