

**2007–2008 Southeast Alaska Pot Shrimp Fishery
Management Plan**

by

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and

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September 2007

Alaska Department of Fish and Game

Division of Commercial Fisheries



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

REGIONAL INFORMATION REPORT NO. 1J07-12

**2007-2008 SOUTHEAST ALASKA POT SHRIMP FISHERY
MANAGEMENT PLAN**

by

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September 2007

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This document should be cited as:

*Davidson, B., W. Bergmann, S. Walker, D. Gordon, K. Monagle, J. Breese, E. Coonradt, D. Harris, and T. Thynes.
2007. 2007-2008 Southeast Alaska Pot Shrimp Fishery Management Plan. Alaska Department of Fish and
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ABSTRACT

The Southeast Alaska shrimp pot gear, fishery will open on October 1, 2007 to harvest spot prawns *Pandalus platyceros* and Coonstripe shrimp *Pandalus hypsinotus*. For this limited entry fishery during the 2006–07 season there were 289 fishermen with active permits of which 138 fished and made landings. The 2007 fishery will be managed by Alaska Department of Fish and Game (ADFG or the Department) staff to limit harvest amounts to Guideline Harvest Levels (GHL) in pounds of whole shrimp for each of 17 separate management areas. The total poundage of shrimp targeted in this fishery during the 2007–08 season will be 835,400 lbs. Historical fishery information and information regarding the status of shrimp populations in the various districts is reviewed. Changes in GHLs from previous seasons are discussed. In 2007–08 GHLs for Sections 3-B/C and Section 13-C will be decreased from 2006–07 levels. Details describing management of the fishery are presented. In cooperation with the Southeast Alaska Pot Shrimp Task Force a new, voluntary program to obtain shrimp population size distribution data directly from catcher-processor size categories on fish tickets will be continued. This information will add to other data sets available to the department upon which management decisions can be made.

Key words: Shrimp, spot prawns, coonstripe shrimp, pot gear, *Pandalus platyceros*, *Pandalus hypsinotus*, *Octopus dofleini*, *Octopus rubescens*, Guideline Harvest Level (GHL), commercial fishery.

INTRODUCTION

The spot prawn *Pandalus platyceros* is the target species for most Southeast Alaska shrimp pot fisheries, with smaller quantities of coonstripe shrimp *Pandalus hypsinotus* also harvested. Both species are harvested from rocky habitat at depths of 30–60 fathoms. Seventy percent of the harvest occurs in Districts 1, 2, 3, 6, 7, and 10, but shrimp are distributed throughout the region. Regulatory Districts of Southeast Alaska are shown in Figure 1.

Harvest records dating from 1962 indicate the pot shrimp fishery began with sporadic effort and low harvest through the mid-1970s when the pot shrimp fishery served as a supplemental source of income for salmon fishermen. Total Southeast harvest levels in the 1970s averaged 22,000 lbs per year. Through the mid-1980s most of the product was sold over the dock to private individuals, restaurants, or other markets without passing through the traditional system of processors established for other fisheries. Harvest levels in the 1980s increased to an average of 250,000 pounds per year. From the 1990/1991 through 1994/1995 seasons the character of the fishery underwent further changes. During these years the number of pot shrimp fishermen increased to 248, and the average annual harvest increased to 711,000 pounds. In October 1994, the first floating processor entered the fishery. Pot fishing efficiency and the pace of the fishery greatly increased during this time. From 1997/1998 through the 2006/2007 seasons, with guideline harvest ranges (GHRs) implemented, the 10-year average annual harvest of spot shrimp has been 920,649 lbs with a peak harvest of 1,075,341 lbs during the 2003/2004 season (**Table 1**). Harvests of coonstripe shrimp are much lower than spot shrimp, with the recent 10-year average harvest 62,131 lbs of shrimp. Districts 1, 7, 11, 15, and 16 account for the majority (88%) of the coonstripe shrimp harvest (**Table 2**). The recent 10-year average harvest of coonstripe shrimp comprises 7% of the average total shrimp harvest of 982,780 lbs region-wide.

In 1995, the Commercial Fisheries Entry Commission received petitions from more than 70 people from Wrangell, Ketchikan, Craig, and the Tenakee Springs Fish and Game Advisory Committee requesting limitation of the number of participants in the Southeast pot shrimp fishery. The commission obtained and analyzed data concerning the fishery and held numerous public hearings throughout Southeast Alaska and announced in November 1995 that they had adopted a limited entry program. In October 1996, the commission adopted a point system to determine eligibility for the fishery. By February of 1998, the commission began the process of issuing limited entry permits for the fishery.

There were a total of 289 active P91A permits issued in 2006. Of that total, 138 participated in the fishery.

The commercial pot shrimp fishery opens by regulation on October 1 each year. Management, since the 1995/1996 season, has been, and continues to be, focused on harvesting within GHRs that are established for each separate fishing area (Tables 3, 4). There are nineteen distinct pot shrimp fishing areas in Southeast Alaska: Districts 1 and 2, Section 3-A, Section 3-B/C, Districts 4–11, Tenakee Inlet, the remainder of District 12, Sections 13-C and 13-A/B, and Districts 14-16. Each of these pot shrimp area fisheries are discussed separately in this 2007 Southeast Alaska Pot Shrimp Fishery Management Plan.

CHANGES FOR 2007/2008 POT SHRIMP FISHERY

NEW REGULATIONS

The Alaska Board of Fisheries met in February, 2006 in Ketchikan and adopted several changes to Chapter 31, the Commercial Shrimp Fishery Regulations which will affect the Southeastern Alaska Commercial Shrimp Pot Fishery.

Regulation 5AAC 31.115. SHRIMP POT GUIDELINE HARVEST RANGES FOR REGISTRATION AREA A. was modified by increasing the upper end of GHRs in specified Districts, or portions of Districts. The GHR may be considered as a potential range in which the Guideline Harvest Levels (GHL) can be set. The GHL is the management target harvest amount established for a particular season. The upper end of GHRs were increased in some Districts or portions of Districts where the Alaska Department of Fish and Game (ADFG) had either already increased GHLs above the upper end of the GHRs or where ADFG area biologists thought there might be some potential of increasing GHLs in the future. In areas where GHLs had been reduced the GHRs were not increased. The lower end of all GHRs remained at 0. GHRs are expressed in pounds of whole shrimp weight of the target shrimp species for each area. GHRs were increased as follows: in District 2 from 86,000 to 120,000 lbs; in Sections 3-B/C from 50,000 to 70,000 lbs; in District 4 from 20,000 to 28,000 lbs; in District 6 from 68,000 to 82,000 lbs; in District 8 from 20,000 to 28,000 lbs; in District 10 from 36,000 to 58,000 lbs; in the Tenakee Inlet portion of District 12 from 20,000 to 34,000 lbs; and in Section 13-C from 30,000 to 50,000 lbs. This regulatory change was made so that when GHLs are established by ADFG before each season the GHLs will always be within the regulatory GHR for that district or portion of a district. Increasing of GHRs in regulation provided greater flexibility to the ADFG to increase GHRs in areas where shrimp stock status is considered strong and capable of sustaining an increased level of harvest. In areas where stock status is not considered strong enough to sustain the current level of harvest the ADFG can appropriately lower the GHL or close an area prior to each season. When and if there is a need to increase a GHR in the future, the ADFG will first need to submit a proposal for a GHR change to the Alaska Board of Fisheries for approval.

Also in 5AAC 31.115 (b) the Tenakee Inlet area of District 12 was defined.

Regulation 5AAC 31.124 (e). LAWFUL SHRIMP POT GEAR FOR REGISTRATION AREA A. (e)(3) was changed to clarify that “all pots on board a vessel or operated from a vessel must be of the same type and size as defined in (2)(A) or (2)(B) of this subsection.” In the subsection (2)(A) refers to a “small pot” up to 124 inches in perimeter and (2)(B) refers to a “large pot” of more than 124 inches and not more than 153 inches in perimeter. The purpose of this

clarification was to ensure fishermen use either all small pots, or all large pots, and not a combination of the two pot size categories. This clarification will result in improved harvest rate data quality for use in managing the fisheries and in evaluating shrimp stock status.

Regulation 5AAC 31.126 SHRIMP POT MARKING REQUIREMENTS FOR REGISTRATION AREA A. was amended to read:

(c) Shrimp pots deployed on a longline, including *more than five* pots, must have at least one buoy attached to each end of the longline. The buoys must be properly marked as specified in 5AAC 31.051 and the pots must be marked as required under (a) of this section.

NOTE: A transcription error adopting this new regulation and published in the *2006–2009 Statewide Commercial Shrimp, Dungeness Crab, and Miscellaneous Shellfish Fishing Regulations* pamphlet was worded “including five or more pots.” This error has been corrected, although not in all published regulation pamphlets. This regulation was adopted to reduce the incidence of lost shrimp gear and any associated shrimp mortality on productive shrimp fishing grounds.

Regulation 5AAC 31.143 (b) REPORTING REQUIREMENTS FOR SHRIMP CATCHER-PROCESSOR AND CATCHER-SELLER VESSELS IN REGISTRATION AREA A. was repealed and readopted to place shrimp pot catcher-processor reporting requirements formerly provided under delegated ADFG emergency order authority to be placed into regulation. This will clarify what is required in regulation and the ADFG will no longer need to specify the details of what information must be reported by emergency order each season. Catcher-processors must call-in once a week to the ADFG area office where the shrimp fishing occurs before 12:00 noon Wednesday of each week during normal business hours of 8:00 a.m. to 5:00 p.m., unless other arrangements have been made with a local representative of ADFG, with the following information: permit holder’s or caller’s name; vessel name and ADFG number; fish ticket numbers of all fish tickets used since the prior call-in; date of landing on each ticket; district and statistical areas on each (daily) fish ticket; the number of pot lifts on each fish ticket; the number of days pots were in the water (soaked) to harvest the shrimp on each ticket; the weight of spot and coon shrimp on each ticket specifying either whole weight or tail weight; and date of last delivery. Reporting is required in all areas managed this season except for Section 13-C and the Tenakee Inlet portion of District 12. Additional details regarding the implementation of this new regulation are discussed in the section of this report under MANAGEMENT APPROACH.

Regulation 5AAC 31.143(c) REPORTING REQUIREMENTS FOR SHRIMP CATCHER-PROCESSOR AND CATCHER-SELLER VESSELS IN REGISTRATION AREA A. was also repealed and readopted to read:

(c) The fish ticket requirements for commercial shrimp pot and beam trawl vessels in Registration Area A are as follows:

(1) an owner or operator of a shrimp pot catcher-processor vessel shall complete a separate fish ticket for each day fished for each district and each statistical area in which shrimp are harvested and processed on board the vessel; fish tickets must be submitted to the ADFG within seven days of closure of a district or portion of a district for which a distinct guideline harvest level exists; a shrimp pot catcher-processor vessel that has stopped fishing in a district or portion of a district for which a distinct guideline harvest

level exists shall contact, by telephone, the local ADFG area office and report the information specified in this paragraph before fishing in a new district or portion of a section [or portion of a district that has a GHR].

These requirements were formerly implemented under emergency order authority and now are required by regulation. Catcher-processors should note that there are three major components to new fish ticket reporting requirements:

- 1) A separate fish ticket must be written for each day fished and for each district or portion of a district with a unique GHL. For example if two separate districts (or portions of a district with a unique GHL) are fished on the same day then two separate fish tickets must be issued for that day. NOTE: The meaning of “Statistical area”, underlined in the regulation as cited above, in this case means portion of a district with a unique GHL. A separate fish ticket is not needed for what are commonly referred to as statistical areas, eg. Subdistrict 112-41 (the eastern portion of Tenakee Inlet) since there is no GHL that is unique to this small area.
- 2) Fish tickets must be submitted to the ADFG within seven days after the closure of a district or portion of a district with a unique GHL. With this regulation in place in the pot shrimp fishery, the statewide requirement that all fish tickets must be turned in “within 7 days after landing, or as otherwise specified by the ADFG for each particular area and fishery (5AAC 39.130(c)) will not be in effect.” The department strongly relies on actual fish ticket information to manage the fishery.
- 3) When catcher-processors stop fishing in a district or portion of a district with a unique GHL, even if that area has not been closed, they must first contact the local ADFG office by telephone before fishing in a new district or section with a unique GHL. ADFG must project fishing effort to close fishery areas without exceeding GHLs, but simply can not accurately project closures without knowing real time effort levels.

Regulation 5AAC 31.143(e)(2) REPORTING REQUIREMENTS FOR SHRIMP CATCHER-PROCESSOR AND CATCHER-SELLER VESSELS IN REGISTRATION AREA A. was amended to re-define a “catcher-seller” vessel as “a vessel from which shrimp are caught if there is any attempt to sell unprocessed shrimp taken by the vessel to a person not licensed to process shrimp.”

Regulation 5AAC 31.128. OPERATION OF OTHER GEAR IN REGISTRATION AREA A. was modified so that vessel owners or operators can no longer register for both the commercial pot shrimp and the commercial beam trawl shrimp fisheries at the same time.

NEW FISH TICKETS

Last season, a new statewide shrimp fish ticket was issued with a space provided in the heading to record the number of pot lifts. ADFG is again requiring that catcher-processors and direct marketers record the “Number of Pot Lifts” in the new heading box and also the number of “Days Fished (Gear in Water),” and not record this information in the effort column in the body of the ticket. This change was necessary for an accurate calculation of catch per unit effort (CPUE) by ADFG. CPUE in turn can be used to help determine the status of shrimp populations and fishing effects over time. Where fish tickets may be issued less frequently (for those who are not catcher processors or direct marketers) old series fish tickets may continue to be used.

CHANGES OF GUIDELINE HARVEST LEVELS

In order to create meaningful, but not excessive changes, modifications to harvest levels will continue to be limited to a range of 20%–40% of the current level, for both increases and decreases. ADFG continues to recommend that the modified GHLS remain in place for a minimum of three seasons so that fishery and stock trends in response to these changes can be better understood before additional changes occur. ADFG has elected to continue work amongst staff toward development of a more consistent and objective determination of stock status that may facilitate a determination of when GHL change should be applied.

Data types examined to make recommendations regarding current season's GHLS, by increasing order of relative importance include: total harvest, season length, raw commercial CPUE, commercial CPUE from catcher-processors, trends in CPUE of XL-sized shrimp from logbook data, depletion estimator of harvest rate using logbook data, fishery L50 (L50 = size at which 50% are female), fishery mean carapace length, survey L50, survey mean carapace length, survey trends in CPUE of XL and larger-sized shrimp. This is the first season that commercial logbook data have been used for GHL evaluations. Preliminary indications are that this data will be very useful, and its value is expected to increase as analysis methods are refined and sample sizes increased.

The rationale for the order of relative importance placed upon shrimp data is based upon the distribution characteristics of spot shrimp as well as upon their fairly complex life history as a protandrous hermaphrodite. For example, commercial catch rates (CPUE) are often not a good indication of stock condition, so are rated lower than several other measures. Three main factors influence the relationship between commercial catch rate and population size. First, when a shrimp population declines the area of its distribution shrinks, although the shrimp density and catch rates in core areas may be maintained; second, commercial fishermen may leave an area with a low catch rate to target an area of high catch rate before CPUE declines; and third, when large shrimp are removed the harvest rate of small shrimp increases due to decreased competition in the pot from larger individuals. Pre and post-season surveys have shown that the CPUE of small shrimp size classes actually increases following the commercial season. For these reasons, a decline in spot shrimp population size does not necessarily result in immediate reductions in district-level non size-specific CPUE, so a decline in this CPUE indicates a large population decrease. Likewise, increases in district-level non size-specific CPUE are not necessarily indicative of an increase in population size. An increase in population size could be suggested by an increase in the CPUE of XL and larger size classes within a subdistrict. The goal of the stock assessment program is to detect a decline in population size BEFORE a reduction in commercial CPUE is evident in order to respond in a timely fashion. Early detection of declines means that populations can be put on the road to recovery before large cuts in GHL or closures are necessary. Additionally, the goal is to detect increases and to respond with an increase in GHL to provide additional harvest opportunity.

The life history of spot shrimp makes their size composition and size at transition to female (L50 = size at which 50% are female) good indicators of stock status. Like most other pandalid shrimp, *Pandalus platyceros*, the spot shrimp, is a protandrous hermaphrodite, meaning that it begins its life as a male, mating once or twice as a male and subsequently transitions to become a female, at about 5 years of age. Like others in its genera, this shrimp has the ability to shift its size at transition in order to become female at an earlier age and smaller size when population densities are low. However, unlike *Pandalus jordani* and *Pandalus borealis*, it does not have the

ability to produce “primary females.” In the former species, high harvest rates have been found to produce a 50/50 sex composition with all females being primary rather than transformed. Thus, the ability of spot shrimp to increase reproductive potential at low population sizes by transforming to female earlier is limited by the necessity to first spawn at least once as a male. Thus, while some “fishing down” effect on size composition is inevitable and could increase yield by bypassing natural mortality (which is usually high in shrimp populations), it is necessary to escape a threshold level of XL and larger (female) sizes in order to maintain reproductive potential of the population.

VOLUNTARY CATCHER-PROCESSOR LOGBOOK PROGRAM

Working cooperatively with the Southeast Alaska Pot Shrimp Task Force, in the 2005/2006 season ADFG implemented a voluntary logbook pilot program with catcher-processors. The purpose of the program is to determine if size specific information on catch rates by fishing area can be collected that would enhance the Department’s ability to use commercial fishery data for monitoring stock status. All catcher-processors who are interested in participating in this program are encouraged to participate. ADFG is asking participants to specify the gram-weight categories and numbers of shrimp per pound for each size category for their specific market at the time of registration. When filling out fish tickets, either the daily tally of the number of boxes by size category, or the daily poundage by category, should be recorded in addition to other information required on fish tickets. This additional fish ticket information can then be converted to shrimp size distribution specific to areas and times harvested. This information may be useful to ADFG when evaluating stock status trends and in setting appropriate GHLs to better manage the shrimp fishery. Such information may be especially important for areas where there is inadequate sampling data currently available.

Letters explaining this program were mailed out to all licensed catcher-processors and direct marketers on September 5, 2007. Included with the letters were registration forms, and examples of how fish tickets should be filled out with shrimp size information. These materials are included as Appendices B–F of this plan, and will also be available in ADFG offices at the time of registration.

During the 2005–2006 season, the first year of this new program, 30% of all pot shrimp catcher-processors (31 of 70 permits) participated. 512 fish tickets were filled out and entered. This good response gave the ADFG the opportunity to begin collecting this new data and to experiment with initial data analysis. Despite this success, data from many areas cannot be used due to insufficient numbers of responses, short duration of fisheries, and confidentiality issues in many districts. In cooperation with the pot shrimp task force, the ADFG is again soliciting participation from as many catcher-processors as possible.

MANAGEMENT APPROACH

Management is based upon closed seasons to prevent fishing on major stocks during the egg hatch or growth and recruitment periods. Management tools also include restricting minimum mesh size, intended to capture and retain the larger size segment of the stock. Pot sizes are standardized to two sizes, with a maximum number of pots per vessel. Daily deployment and hauling times are restricted (8:00 a.m. to 4:00 p.m.) and a GHR is set for each fishing district. Regulations have also been adopted for the permitting of shrimp floating processors, and reporting requirements are established for shrimp catcher-processors and for catcher-seller vessels.

The major problem ADFG has faced in the last several years is the inability to accurately track catches from catcher-processors. The introduction of the catcher-processor vessel into the fishery is relatively new. During the early to mid-1990s, catcher-processors made up less than 20% of the fishing fleet. In more recent years, 50 to 70% of the fishing vessels in some districts are catcher-processors. With the approval of the Alaska Board of Fisheries, the Department has established reporting requirements for catcher-processors. Those requirements can be found in 5 AAC 31.143: *Reporting Requirements For Shrimp Catcher-Processor Vessels in Registration Area A*.

A catcher-processor vessel is a vessel that catches and processes product on board [5 AAC 31.143.(d)]. Observers are not required on catcher-processors. A catcher processor cannot buy or process shrimp from another fishing vessel or tender. The catcher-processor owner or operator shall complete separate fish tickets every day that shrimp are caught and processed on board the vessel for each district or portion of a district with a unique GHL. The statewide requirement that all fish tickets be turned in seven days after landing will be waived for this fishery since new regulations are in place specific to the Southeastern Alaska pot shrimp fishery. However, fish tickets must be submitted to an ADFG office within seven days of the closure of a district or portion of a district with a unique GHL if a shrimp catcher-processor fished in the area. If a catcher-processor stops fishing in an area with a unique GHL then ADFG must be contacted by telephone prior to fishing in another area with a unique GHL.

Catcher-processors must call and report specified information to the ADFG area office managing the fishery between 8:00 a.m. and 5:00 p.m. Monday or Tuesday or by 12:00 noon Wednesday each week of every week fishing operations are conducted. For the 2007/2008 season, reporting requirements will start the week of October 1 in each District, or portion of a District with a unique GHR. Catcher-processors are advised that they should contact the office responsible for each area:

- Ketchikan for Districts 1–4;
- Petersburg or Wrangell for Districts 5–8 and 10;
- Sitka for District 9 and 13;
- Juneau for District 11, 12, 14, and 16; and
- Haines for District 15.

Due to the rapid pace of the fishery, call-in requirements are being waived for the Tenakee Inlet portion of District 12 and Section 13-C.

The once per week reporting requirements allow shrimp fishermen 2 ½ days at the start of each week to contact the local area office. For example, operators of catcher-processors fishing in District 10 will initially have to phone in the information listed below sometime between Monday, October 1 and noon, Wednesday, October 3 and each subsequent week thereafter.

Reporting requirements for catcher-processors are now in accordance with 5 AAC 31.143 (b) and (c) and include the following:

1. Caller's name or permit holder's name;
2. Vessel name and ADFG number;

3. Fish ticket number of all fish tickets used since last call in;
4. Date of landing on each fish ticket;
5. District and subdistrict on each daily fish ticket;
6. Numbers of pot lifts on each fish ticket;
7. Number of days pots were in the water to harvest shrimp on each ticket;
8. Weight of spot shrimp and coon shrimp on each ticket – specify whole or tail weight; and
9. Date of last delivery.

ADFG will furnish catcher-processors with pre-printed reporting forms to help facilitate the reporting requirements. Forms may be picked up at any ADFG office in Southeast Alaska. A copy of the reporting form is provided in Appendix A.

ADFG will issue weekly news releases, usually on Thursday afternoons, which will update shrimp fishermen on the progression of the fishery, by specific areas managed. A news release will list the GHL for districts and the harvest to date for the individual district. In addition to the weekly summary news releases, the ADFG will issue other news releases as required to announce fishery closures or other important information regarding the fishery.

Catcher-sellers are defined as vessels from which shrimp are caught if there is any attempt to sell unprocessed shrimp taken by the vessel to a person not licensed to process shrimp. Catcher-sellers are reminded that regulations require that an ADFG shrimp fish ticket indicating the weight of the shrimp on board by species must be filled out before any shrimp are removed from the vessel.

POT SHRIMP TASK FORCE

In January 2003, the Alaska Board of Fisheries approved a plan that formalized the Southeast Alaska Pot Shrimp Task Force, with designated seats similar to the king and tanner crab and Dungeness crab task forces. Previous task force meetings have been held on a relatively informal basis in communities where significant numbers of pot shrimp fishermen live and where jet service occurs. The task force concept is designed to obtain input from the industry and improve communications between the fleet and the ADFG.

The fourth formal Southeast Alaska Pot Shrimp Task Force meeting was held in by teleconference on February 9, 2007. A detailed meeting summary will be available prior to the next Task Force meeting with ADFG. That meeting will be scheduled following the major period of harvest during 2007–2008 season.

OTHER ISSUES RELATED TO THE FISHERY

OCTOPUS BYCATCH

Marine invertebrates, including octopus, may be taken only under the authority of a permit issued by the commissioner or the commissioner's designee [5 AAC 38.062]. Shrimp fishermen are advised that this applies to octopus they wish to retain for their own use [5 AAC 02.021].

ADFG will issue permits under authority of 5 AAC 38.062 to allow retention of octopus captured as bycatch in commercial pot shrimp fisheries. Permits are available at any ADFG office in Southeast Alaska. Permit stipulations include a maximum octopus bycatch limit of 5%

whole weight of total shrimp onboard a vessel, dates for which the permits are valid and other stipulations.

Shrimp fishermen are advised that by issuing these permits the ADFG is not committing to doing so in the future. Should the level of interest and subsequent harvests exceed levels considered potentially detrimental to the resource, the ADFG may consider invoking the High Impact Emerging Fisheries regulation [5 AAC 39.210] and close the fishery until an interim management plan can be developed and presented to the Alaska Board of Fisheries.

ADFG is interested in obtaining as much biological information as possible from octopus retained in the commercial pot shrimp fishery. In addition to weight and numbers of individual octopus harvested in the fishery the ADFG would like to obtain species composition, sex, and harvest distribution data. There are two species of octopus in Southeast Alaska, the giant Pacific octopus (*Octopus dofleini*) and the red octopus (*Octopus rubescens*). Male octopus have a modified third arm which is called the hectocotylus. The hectocotylus has a deep groove between the two rows of suckers. Shrimp fishermen are advised that ADFG staff may ask to sample octopus on an opportunistic basis during on-the-grounds sampling trips.

POT SHRIMP FISHING OFFSHORE

ADFG has received several requests to initiate pot shrimp fisheries offshore (outside State waters, three miles or greater from shore). Offshore commercial pot shrimp fisheries can be accommodated under existing regulations and guideline harvest levels. Given the absence of a Federal Fishery Management Plan for commercial pot shrimp fisheries in Federal waters the State of Alaska has management jurisdiction for this fishery [Magnusen Stevens Act SEC 306.104–297 (3)]. As these offshore waters are part of Registration Area A, Southeast Alaska, they are subject to limited entry. Shrimp fishermen who wish to fish in these areas must have a Southeast Alaska commercial pot shrimp fishery card.

Offshore waters are included in Districts 4, 13, and 16, the boundary lines of which are described in 5 AAC 31.105 (d), (m), and (p). The offshore area includes the Exclusive Economic Zone (EEZ) of the United States. The EEZ extends to a distance of 200 nautical miles offshore of the defined fish districts (President Proclamation 5030). Shrimp who wish to fish in outside waters may do so only if those districts are open. Shrimp harvested in these areas will be part of existing guideline harvest levels for those districts.

EXPLORATORY TEST FISHERIES

With inclement fall weather and shortened seasons, the commercial pot shrimp fishery has been focused in more protected waters that have been traditionally productive. This has resulted in some areas of Southeast Alaska receiving little or no commercial fishing pressure. In the winter of 2006, the Pot Shrimp Task Force requested that the ADFG allow exploratory test fisheries to evaluate shrimp stocks in areas with little or no history of exploitation. Specifically the task force identified two areas to consider for exploratory fisheries including the offshore areas of District 13, and areas west of Kuiu Island and north of Coronation Island District 9.

On March 13, 2006 ADFG announced two separate Requests for Quotation (RFQ); one for District 9 and one for District 13. Only one CFEC pot shrimp permit holder would be allowed to fish in each area. The RFQ format was based on the highest net price per pound paid to ADFG for the shrimp caught and sold during the test fishery with other proceeds from the test fishery used to reimburse the fishermen for costs. Test fishing would be allowed for a maximum of ten

consecutive days anytime during the period May 15–June15. Other requirements included maintaining a detailed logbook and providing ADFG with 25 pounds of whole shrimp for biological sampling. The area of District 9 opened to test fishing included waters of Section 9-A south of the latitude of Point Howard and Section 9-B south of the latitude of Kingsmill Point Light. In District 13, the offshore waters south of the latitude of Point Woodhouse on Biorka Island were opened for test fishing.

Only one bid was received for each area. Ultimately, 32 sets were made in District 9 in the areas of Tebenkof Bay and Port Malmesbury. In District 13, 11 sets of 8 pots each were made in the area west of West Crawfish Inlet. Essentially no shrimp were caught in either test fishing effort. During the 2007 Pot Shrimp Task Force Meeting, the Task Force again expressed interest in a test fishery in these areas. As a result, a RFQ was solicited for the same area in District 13. There were no interested bidders. The ADFG will consult with the Pot Shrimp Task Force in determining whether to continue exploratory test fisheries in the future.

KETCHIKAN AREA FISHERIES

INTRODUCTION

The Ketchikan fishery management area encompasses Districts 1, 2, 3, and 4. Pot shrimp fishery management is based on spot shrimp with a small bycatch of coonstripe shrimp. District 3 is divided into two management areas, Section 3-A, and Sections 3-B and 3-C which are managed together. Section 3-A is the largest producer of spot prawns in the region, followed by District 1. District 2 is the fourth largest producer in Southeast Alaska, while harvests in District 4 are very limited.

Prior to the 1983/1984 season, the season length for the pot shrimp fishery in Districts 1, 2, 3, and 4 was restricted by Alaska Board of Fisheries action to September 1 through April 30. This was an allocation for shrimp fishers who traditionally used these districts as a supplemental income source during the fall and winter months. The closure during the summer also provided an important biological benefit of allowing stock recruitment to occur through the molting and growing process. For the 1986/1987 through the 1994/1995 seasons, the spot shrimp fishery opening date in these districts was changed to October 1 through February 28. This change was made for a combination of an egg hatch closure, to allow for summer growth and as an allocation for a fall/winter fishery.

Beginning in the late 1980s and continuing into the early 1990s, the character of the pot shrimp fishery underwent radical changes. Effort levels greatly increased, and harvests changed from less than 50,000 lbs of whole shrimp per season to harvests exceeding 150,000 lbs in District 1, 30,000 lbs to 80,000 lbs in District 2, and 40,000 lbs to well over 200,000 lbs in District 3. The introduction of floating processors and catcher-processors in the pot shrimp fishery also greatly accelerated the growth of the fishery.

DISTRICT 1

District 1 includes:

All waters east and north of a line from the southernmost tip of Caamano Point to 54°40' N. latitude, 131°45' W. longitude, and waters north of a line running from 54°40' N. latitude, 131°45' W. longitude to 54°42.48' N. latitude, 130°36.92' W. longitude (5 AAC 31.100).

In 2000 the Alaska Board of Fisheries closed to commercial shrimp fishing in the following area of District 1:

Those waters east of a line from Indian Point at 55°36.85' N. latitude, 131°42.02' W. longitude, to the northeasternmost tip of Betton Island at 55°31.95' N. latitude, 131°46.37' W. longitude, to the southeasternmost tip of Betton Island at 55°29.90' N. latitude, 131°48.18' W. longitude, to Survey Point at 55°28.07' N. latitude, 131°49.87' W. longitude (**Figure 2**, 5 AAC 31.136).

The GHR system established for District 1 during the 1995/1996 season set a GHR range of 0 to 145,000, which in 2000 was modified to 0 to 164,000 lbs of whole spot shrimp. With the implementation of this GHR the length of the District 1 season has been reduced from approximately 150 days prior to the 1995/1996 season to as few as 37 days in the 1996/1997 season. The average seasonal harvest since the 1995/1996 season has been 159,000 lbs of whole spot shrimp with an average of 45 vessels participating in the fishery.

For the 2007/2008 season District 1 will be managed for a GHL of 98,400 pounds of whole spot shrimp. This is a 40% reduction of the GHL from previous years and was implemented in the 2006/2007 season (Table 4). The primary basis for this reduction is that the catch rate has been decreasing driving a large increase in season length. A pre-season survey does not exist for this area, which may have provided an early warning of this decline. No sampling data was collected from this district in 2006, but sampling from earlier years indicate a decline in the L50—the size at which male shrimp transition to females.

ADFG anticipates the pace of the pot shrimp fishery will be similar to last season. The district was open for 47 days during the 2006/2007 season harvesting 142,000 pounds of whole spot shrimp. **With the reduced quota the fishery is expected to last approximately 40 days.**

DISTRICT 2

District 2 includes:

All waters south of a line running from the easternmost tip of Narrow Point to the northernmost tip of Lemesurier Point, waters west of a line running from Caamano Point to 54°40' N. latitude, 131°45' W. longitude, and waters east of a line running from Point Marsh Light to 54°40' N. latitude, 132°17.50' W. longitude (5 AAC 31.105).

In 2000 the Alaska Board of Fisheries closed commercial shrimp fishing in the following area of District 2:

Those waters of Twelve-mile Arm west of a line from Prince of Wales Island at 55°29.07' N. latitude, 132°37.60' W. longitude, to the northeasternmost tip of Loy Island at 55°29.07' N. latitude, 132°36.70' W. longitude, to the easternmost tip of Cat Island at 55°27.80' N. latitude, 132°39.08' W. longitude, to Prince of Wales Island at 55°27.80' N. latitude, 132°40.93' W. longitude, including the waters nearest Hollis Anchorage (**Figure 2**, 5 AAC 31.136).

The GHR system imposed on District 2 during the 1995/1996 season set a GHR range of 0 to 65,000, which in 2000 was modified to be 0 to 86,000 lbs of whole spot shrimp. With the implementation of this GHR the length of the District 2 season has been reduced from approximately 150 days prior to the 1995/1996 season to as few as 14 days in the 2004/2005 and

2005/2006 seasons. The average seasonal harvest since the 1995/1996 season has been 90,000 lbs of whole spot shrimp with an average of 22 vessels participating in the fishery.

For the 2007/2008 season District 2 will be managed for a GHL of 86,000 pounds of whole spot shrimp.

ADFG anticipates the pace of the pot shrimp fishery will be similar to the past three seasons, when the fishery averaged 16 days. The district was open for 20 days during the 2006/2007 season harvesting 99,000 pounds of whole spot shrimp. **This fishery is expected to last approximately 14 days.**

DISTRICT 3

District 3 is divided into three Sections by regulation. In the 1995/1996 season a GHR was set for District 3 of 0 to 200,000 lbs of whole shrimp. In 2000, the Board of Fisheries adopted a separate GHR for Section 3-A of 0 to 264,000 lbs of whole shrimp. The remainder of District 3, Sections 3-B and 3-C were made into one shrimp management area with a combined GHR of 0 to 70,000 lbs of whole shrimp.

SECTION 3-A

Section 3-A includes:

Those waters District 3 south of 55°15' N. latitude, excluding the waters of Meares Passage.

Since the GHR was implemented the length of the District 3 season has been reduced from approximately 150 days prior to the GHR to as few as 9 days in the 1997/1998. Average seasonal harvest and effort levels for Section 3-A have been approximately 255,000 lbs of whole shrimp and 37 vessels since the 2000/2001 season.

For the 2007/2008 season Section 3-A will be managed for a GHL of 198,000 pounds of spot shrimp. In the 2004/2005 season this GHL was reduced by 25% over previous years due to a consistent decrease in the average shrimp survey size and the fishery catch rate. In the commercial catch and the research survey there has been no significant trends justify a change in the GHL for this area. The average carapace length and L50 in this district remain well below the 10-year average but have not changed in recent years.

The pace of the Section 3-A pot shrimp fishery has increased over the past few years. Section 3-A was open for 18 days in the 2006/2007 season harvesting 205,000 pounds of whole spot shrimp. **It is expected that this fishery will last approximately 16 days.**

SECTIONS 3-B AND 3-C

Sections 3-B and 3-C include:

Those waters of District 3 north of 55°15' N. latitude and south of Aneskett Point located at 56°08.83' N. latitude and east of a line from Point Arboleda to the northeasternmost tip of Point San Roque to the southwesternmost tip of Cape Ulitka to the northeasternmost tip of Cape Lynch to the southwest entrance point of Halibut Harbor located on Kosciusko Island.

For the 2006/2007 season Sections 3-B and 3-C will be managed to harvest a total GHL of 40,000 pounds of spot shrimp. This GHL is for both sections combined. ADFG will manage the

sections as one area and not attempt to split GHL evenly between the two areas. This is a reduction in GHL of 25% over previous years due to a consistent decline in CPUE and shrimp size.

Sections 3-B and 3-C have had an average season length of 25 days since the 200/2001 season. The average harvest has been 53,000 pounds of whole spot shrimp, with an average of 25 vessels participating in the fishery. **It is expected that this fishery will last approximately 24 days.**

DISTRICT 4

District 4 includes:

Those waters north of Cape Muzon, west of District 3, and south of a line from Helm Point on Coronation Island to Cape Lynch, including offshore waters. The offshore area of District 4 includes the waters of the EEZ.

The District 4 fishery has only harvested the GHL of 20,000 lbs in 5 of the past 12 years. The average annual harvest in the district since the 1995/1996 season has been 17,000 whole pounds.

For the 2007/2008 season District 4 will continue to be managed to harvest a total GHL of 20,000 pounds of spot shrimp.

PETERSBURG-WRANGELL AREA FISHERIES

INTRODUCTION

The Petersburg-Wrangell fishery management area encompasses Districts 5, 6, 7, 8, 9-B, and 10. District 9 is managed with a single GHR and encompasses waters within both the Petersburg (Section 9-B) and the Sitka (Section 9-A) management areas. With significant harvests occurring in both management areas, responsibility for managing the District 9 fishery has been shared between the Petersburg and Sitka area offices. The District 9 fishery will be managed out of the Sitka office during the 2007/2008 season. Historically, Districts 7, 6, and 10 have been the fourth, fifth, and seventh largest producers of spot shrimp in the region, respectively. Districts 5, 8, and 9 produce smaller amounts of spot shrimp. District 8 has small but at times significant landings of coonstripe shrimp. District 7 is usually the largest producer of coonstripe shrimp in the region. Between 8% and 35% of the District 7 harvest has been comprised of coonstripe shrimp.

DISTRICT 5

District 5 includes the waters of Sumner Strait west of Point Baker. Fishing primarily takes place in the bays along the Kuiu Island shoreline and southern Rocky Pass. Prior to statehood and through the 1981/1982 season there were no season or quota restrictions in District 5. During the 1982/1983 season the fishery had the first egg hatch closure occurring in May and June. An egg hatch closure occurred in March and April during the 1984/1985 season. Closures occurred on March 13 during the 1995/1996 season and on December 27 in the 1996/1997 season. During the 1997/1998 season the fishery was open for 12 months with no egg hatch closure. For the 1998/1999 season the fishery was opened from October 1 through February 28 with a summer season from May 1 through August 31. Starting with the 1999/2000 season the fishery has had a

winter season from October 1 through February 28 and the summer season was shortened to May 15 through July 31.

The first GHR was established in District 5 starting with the 1995/1996 season. Districts such as District 5 where no strong fishery had developed were assigned a GHR of 0 to 20,000 pounds.

The District 5 fishery has had consistent but usually fairly low effort since the GHR was established. The upper end of the GHR has only been taken during the 1995/1996, 1996/1997, 2002/2003, 2004/2005, and 2005/2006 seasons. The average harvest of spot shrimp since the GHR was established is 15,861 pounds and the effort level has varied between 3 and 13 boats. Catches are usually dominated by catcher-processors. In the 2006/2007 season, catcher-processors landed 100% of the catch and 96% of the catch was landed as whole shrimp. The average coonstripe harvest in the fishery since establishment of the GHR is approximately 329 pounds.

The 2006/2007 season closed by regulation on February 28, 2007 after 3 vessels harvested 10,216 pounds of spot shrimp. The fishery reopened again on May 15 and closed by regulation on July 31. There was no harvest during the summer season.

The GHR for the 2007–2008 season will remain unchanged at 20,000 lbs of spot shrimp. There is no survey in this district, nor has any sampling been conducted. The subdistrict composition of the harvest is highly variable and meaningful trends are not evident. In addition, fishery performance data (spot harvest/pot) does not give a clear indication of stock health. District 5 typically has no effort until most of the major districts in southern Southeast are closed. Much of the harvest some seasons takes place during the summer fishery between May 15 and July 31. **The season is expected to close on February 28, 2008.**

DISTRICT 6

District 6 includes the waters of Sumner Strait east of Point Baker and west of Low Point and the waters of Clarence Strait north of Narrow Point to Lemesurier Point and Stikine Strait south of Round Point. Fishing primarily occurs in the northern waters of Clarence Strait. Prior to statehood, season restrictions occasionally corresponded to the beam trawl fishery season with the pot fishery opening in mid-April or early-May and closing between late-January and late-February. The first two decades following statehood there were no season or quota restrictions in District 6. During the 1982/1983 season the fishery had the first egg hatch closure, which occurred in May and June. During the 1984/1985 season the egg hatch closure occurred during March and April and it remained that way until it was expanded through May 14 starting in the 1999/2000 season. The first closure to reduce harvest occurred on June 13 during the 1994/1995 season. Since then closures have occurred prior to March 1 each season.

The first GHR was established for the 1984/1985 season when District 6 together with Districts 4, 5, and 8 had a combined GHR of 0 to 55,000 pounds. From the 1985/1986 season through the 1996/1997 season it was changed to a combined GHR of 75,000–100,000 pounds for District 6 and District 8. Beginning with the 1997/1998 season, two separate GHRs were established for Districts 6 and 8 using the baseline historic harvests from the 1990/1991 through 1994/1995 seasons. The District 6 GHR was set at 0 to 65,000 pounds of shrimp. This was modified to 0 to 68,000 pounds of spot shrimp when ADF&G revised the tail weight to whole weight ratio of 1.67 to 2.0 for the 2000/2001 season. The catch of coonstripe shrimp was no longer included in the GHR starting in the 2000/2001 season. The effect of removing that catch was to raise the

GHR by about another 2,000 pounds. The average harvest of spot shrimp since the start of the 1995/1996 season is 72,237 pounds. The average harvest of coonstripe shrimp during that same period is 1,247 pounds. Effort in the district has been between 11 and 23 boats fishing since the 1995/1996 season. The season length has varied between 21 and 137 days during that period. Harvests have been dominated by catcher-processors the past seven seasons. In the 2006/2007 season, catcher-processors landed 99% of the harvest, and 95% of the catch was landed as whole shrimp. The 2006–2007 season closed on November 11, 2006 (after 42 days) with a harvest of 80,650 lbs of spot shrimp.

The GHL was increased by 20% to 82,000 lbs of spot shrimp prior to the 2005–2006 season. **The GHL will remain at 82,000 lbs of spot shrimp for the 2007–2008 season.** This will be the third season of a change in GHL. After this season, the GHL could be modified. The ADFG has determined that changes in GHL would be in affect for a minimum of three years. A minimum of three years is needed to adequately assess the effects of the GHL change. No survey is conducted in this district, but there is a good time series of dockside and on-the-grounds sampling data. The on-the-grounds data shows no trend in average CL and a declining trend in L50. Fishery performance data indicates a declining trend since the GHL was increased in 2005. **The season is expected to close around November 7, 2007.**

DISTRICT 7

District 7 includes the waters of Ernest Sound, Bradfield Canal, southern Zimovia Strait, Eastern Passage, and Blake Channel. Fishing is concentrated in Ernest Sound. Prior to statehood and through the 1981/1982 season there were no season or quota restrictions in District 7. During the 1982/1983 season the fishery had the first egg hatch closure, which occurred in May and June. During the 1984/1985 season the egg hatch closure occurred during March and April and it remained that way until it was expanded through May 14 for the 1999/2000 season. The first closure to reduce harvest occurred on June 30 during the 1984/1985 season. For the next 10 seasons, District 7 was closed from March through September. Since then closures have occurred prior to March 1 each season.

The first GHR was established for the 1984/1985 season when District 7 together with Districts 1, 2 and 3 had a combined GHR of 0 to 125,000 pounds. The first separate GHR for District 7 of 0 to 100,000 pounds of shrimp was set starting with the 1995/1996 season using the baseline harvest from the 1990/1991 season through the 1994/1995 season. This was modified to 0 to 104,000 pounds of spot shrimp when the ADFG revised the tail weight to whole weight ratio of 1.67 to 2.0 for the 2000/2001 season. The catch of coonstripe shrimp was no longer included in the GHR starting in the 2000/2001 season. The effect of removing that catch was to raise the GHR by between 11,000 and 25,000 lbs. The average harvest of spot shrimp since the start of the 1995/1996 season is 90,681 lbs. The average harvest of coonstripe shrimp during that same period is 19,337 lbs. Effort in the district has varied between 13 and 44 boats fishing during that same period. The season length has varied between 20 and 113 days. Catches during the past six seasons were dominated by catcher-processors. In the 2006/2007 season, catcher-processors landed 95% of the spot shrimp catch and 87% of the catch was landed as whole shrimp. During the 2006/2007 season, the closure occurred on October 22. A total of 80,491 lbs of spot shrimp and 6,795 lbs of coonstripe shrimp were harvested.

The GHL for the 2007–2008 season will be 78,000 lbs of spot shrimp. The guideline was decreased from 104,000 lbs beginning with the 2004–2005 season. This will be the fourth season

of a lowered GHL. A survey is conducted in this district and there is substantial dockside and on-the-grounds sampling data. The decrease in the GHL was based upon declines in survey and on the grounds average CL and L50 as well as declining fishery performance. Over the past two seasons, survey and on-the-grounds data indicated a general increase in mean CL and L50. The fishery performance data has shown a positive trend over the past three seasons with increases in catch per pot each season. The 2006–2007 total season average catch per pot of 4.5 pounds was the highest it has been during the last 15 years and much higher than the ten year average of 2.6 pounds per pot. **The season is expected to close around October 24.**

DISTRICT 8

District 8 includes the waters of the eastern portion of Frederick Sound on the north side of the Stikine Flats and Chichagof Pass and the northern portions of Stikine and Zimovia Straits on the south side of the Stikine Flats. Fishing primarily occurs in those waters within about 10 miles of Wrangell. Prior to statehood, season restrictions occasionally corresponded to the beam trawl fishery season with the fishery opening in mid-April or early-May and closing between late-January and late-February. The first two decades following statehood there were no season or quota restrictions in District 8. During the 1982/1983 season the fishery had the first egg hatch closure, which occurred in May and June. During the 1984/1985 season the egg hatch closure occurred during March and April and it remained that way until it was expanded through May 14 for the 1999/2000 season.

The first closure to reduce harvest occurred on November 13 during the 1995/1996 season. Since then closures have occurred prior to March 1 each season. The first GHR was established for the 1984/1985 season when District 8 together with Districts 4, 5, and 6 had a combined GHR of 0 to 55,000 lbs. From the 1985/1986 season through the 1996/1997 season it was changed to a combined GHR of 75,000–100,000 lbs for District 6 and District 8. When these two districts were assigned separate GHRs for the 1997/1998 season the GHR was set using the baseline harvest from the 1990/1991 season through the 1994/1995 season. The District GHR was set at 0 to 20,000 lbs of shrimp. There was no change in the GHR when ADF&G revised the tail weight to whole weight ratio of 1.67 to 2.0 for the 2000/2001 season because shrimp landed from District 8 were almost all landed in the round. The catch of coonstripe shrimp was no longer included in the GHR starting in the 2000/2001 season. The effect of removing that catch was to raise the GHR by about another 2,000–3,000 lbs. The average harvest of spot shrimp since the start of the 1995/1996 season is 19,254 lbs. The average harvest of coonstripe shrimp during that same period is 2,479 lbs. Effort in the district has varied between 6 and 20 boats fishing during that same period. The season has lasted between 18 and 37 days since the 1995/1996 season. Day boats land the majority of the catches as whole shrimp. In the 2006/2007 season, 79% of the spot shrimp catch was landed as whole shrimp. The 2006/2007 season was opened for 30 days. The effort in the 2006/2007 season was above the ten-year average and the same as the previous season with 13 boats fishing. The catch included 21,256 lbs of spot shrimp and 2,209 lbs of coonstripe shrimp.

The GHL for the 2007–2008 season will remain unchanged at 20,000 lbs of spot shrimp. Dockside and on-the-grounds sampling data show a generally stable mean CL and L50. The fishery performance data indicates a stable stock with no real trends in CPUE or the number of landings per season. **The season is expected to close around November 1.**

DISTRICT 10

District 10 includes the waters of the central portion of Frederick Sound and the southern portion of Stephens Passage. Fishing is concentrated along the mainland shoreline north of Cape Fanshaw and in the bays along the Admiralty shoreline. Prior to statehood, the fishing season east of Cape Fanshaw occasionally corresponded to the beam trawl fishery season with the fishery opening in mid-April or early May and closing between late January and late February. The first three and a half decades following statehood there were no season or quota restrictions in District 10. Each season since then, closures have occurred prior to March 1. The first GHR for District 10 of 0 to 30,000 lbs of shrimp was set in the 1995/1996 season using the baseline harvest from the 1990/1991 season through the 1994/1995 season. This was modified to 0 to 36,000 lbs of spot shrimp when the ADFG revised the tail weight to whole weight ratio of 1.67 to 2.0 for the 2000/2001 season. The catch of coonstripe shrimp was no longer included in the GHR starting in the 2000/2001 season. The effect of removing that catch was minimal since the harvest of coonstripe shrimp has been less than 2,000 lbs since the GHR was initiated. The average harvest of spot shrimp since the start of the 1995/1996 season is 46,299 lbs. The average harvest of coonstripe shrimp during that same period is 1,436 lbs. Effort in the district has varied between 8 and 49 boats fishing during that same period. The season length has varied considerably, between 8 and 98 days. For the 2006/2007 season, catcher-processors landed 58% of the catch and 54% of the catch was landed as whole shrimp. During the 2006/2007 season, the fishery was opened for 8 days, the same as 2005/2006 which was the shortest season to date. Fourteen boats harvested 51,409 lbs of spot shrimp and no coonstripe shrimp.

The GHL for the 2007–2008 season will be 48,000 lbs of spot shrimp. The GHL was increased from 36,000 lbs beginning with the 2004–2005 season. This will be the fourth season of an increased GHL. However, last season was the fifth season in a row the total harvest has exceeded 50,000 pounds. There is no survey but limited on-the-grounds and dockside sampling are conducted in this district. On-the-grounds sampling data indicate a declining average CL and a generally stable L50 for this district. Fishery performance remains good with seasonal catch per pot continuing to increase and daily catch per pot continuing to remain stable if not increasing slightly over the course of the fishery. **The season is expected to close around October 8.**

SITKA AREA FISHERIES

INTRODUCTION

The Sitka fishery management area includes all waters of District 13, Section 9-A, and Statistical Areas 112-11, 112-21, and 12-22 of District 12. For the pot shrimp fishery District 13 has been divided into two areas, each managed with separate GHRs. One area consists of all waters of Section 13-C (Hoonah Sound and Peril Strait) and the other area consists of all waters of Sections 13-A and 13-B (outer coastal area of District 13). The offshore areas of Sections 13-A and 13-B include the waters of the EEZ. District 13 is unique since the BOF has adopted a customary and traditional finding for shrimp. The BOF also has closed the Sitka Sound special use area (5 AAC 31.136 (3)) to the commercial harvest of shrimp (Figure 2). District 9 is managed with a single GHL and encompasses waters within both the Petersburg and the Sitka management areas. With significant harvests occurring in both management areas, responsibility for managing the District 9 fishery has been shared between the Petersburg and Sitka area

offices. The District 9 fishery will be managed by the Sitka area office during the 2007/2008 season. The District 12 fishery is managed out of the Juneau area office since only a minor portion of the District occurs within the Sitka management area.

DISTRICT 9

District 9 includes waters of Chatham Strait north of Cape Decision to Coronation Island to Cape Ommaney, south of the latitude of Point Gardner, and in waters of Frederick Sound and Rocky Pass west of Point Macartney to Elliott Island and north and west of Point Camden to Salt Point. Fishing is concentrated in a small number of bays along the southern Admiralty shoreline and eastern Baranof shoreline. The more important fishing subdistricts include 109-10, 109-20, and 109-30. Since significant catch occurs in both Section 9-A and 9-B, management responsibility has shifted between the Sitka and Petersburg area offices on alternate years.

Prior to statehood and through the 1994/1995 season there were no season or quota restrictions in District 9. The GHR for District 9 was set at 15,000 lbs of shrimp in the 1995/1996 season using the baseline harvest from the 1990/1991 season through the 1994/1995 season. This was modified to 0 to 18,000 lbs of spot shrimp when the ADFG revised the tail weight to whole weight ratio of 1.67 to 2.0 for the 2000/2001 season. The catch of coonstripe shrimp was no longer included in the GHR starting in the 2000/2001 season. The average harvest of spot shrimp since the start of the 1995/1996 season is 14,912 lbs. Effort in the district has varied between 5 and 16 boats. During the 2006–2007 season 24,100 lbs of spot shrimp was harvested by 10 boats and the season lasted for 16 days, the shortest season on record.

The District 9 GHL will remain at 18,000 lbs of spot shrimp for the 2007/2008 season.

To manage the fishery in 2007/2008 ADFG area staff will rely primarily on fish tickets and reporting by catcher-processors, and may also survey and sample the fishery from the grounds as scheduling and budgets allow. In the latter case, a field announcement of a closure is possible. **It is anticipated that the 2007/2008 season will close around October 20.**

SECTION 13-C

Section 13-C consists of waters of Hoonah Sound and Peril Strait west of a line from Point Hayes to Point Thatcher and north of Pogibshi Point.

The waters of Section 13-C contain the most productive pot shrimp fishing grounds in the Sitka management area. This area has been the focus of the Sitka area pot shrimp fishery throughout the fishery's development. The first commercial landings of pot shrimp from Section 13-C occurred during the 1977/1978 fishing season with minimal harvest through the 1980/1981 season. For the next thirteen years, from the 1981/1982 through the 1993/1994 fishing seasons, effort and harvest steadily increased with 6 to 19 boats participating and landing between 10,000 and 40,000 pounds whole weight. During this period, the Section 13-C fishery was open year round with landings occurring year round.

The 1994/1995 season was pivotal in the history of the fishery. During that season, a floating processor moved into Section 13-C in response to a strong Japanese market for frozen whole shrimp. This resulted in a substantial increase of harvest in Section 13-C. Concerned with rapidly increasing harvest and having little information on stock size and productivity ADFG closed all of District 13 by emergency order. This was the first closure of the pot shrimp fishery by emergency order in Southeast Alaska. The total 1994/1995-season harvest in Section 13-C was

81,000 pounds whole weight, double any previous year's harvest. Other productive areas throughout Southeast Alaska had seen similar trends prompting ADFG to establish GHRs for all districts in the region. For districts with a relatively consistent harvest history, the upper end of the GHR was based on the average harvest over the previous five seasons. The high harvest of the 1994/1995 season was not included in the calculation and the resultant 1995/1996 GHR for District 13 of 40,000 pounds whole weight. In 1996/1997 Section 13-C was allocated a GHR of 25,000 pounds whole weight and Sections 13-A and 13-B together were allocated 15,000 pounds whole weight consistent with historical harvests from each area. The GHR for 13-C was increased to 30,000 pounds for the 2000/2001 fishing season as a result of using a more appropriate conversion factor of tail weight to whole weight. This change did not result in any real change to the amount of shrimp available for harvest in 13-C. In the Hoonah Sound area of Section 13-C, there is a significant but unaccounted subsistence harvest that occurs year round.

Since the establishment of a GHR, the harvest and the number of vessels participating in the Section 13-C fishery has remained relatively stable. However, with increased value and management to limit harvest to the upper end of the GHR, the fishery has greatly intensified resulting in shorter and shorter seasons. For the past five seasons the 13-C fishery has been managed by conducting an over-flight shortly after the fishery opens to determine the effort level and set distribution, followed by on-the-grounds monitoring and skipper interviews to determine catch rates and to collect catch samples. The 10-year average harvest from Section 13-C is 36,700 pounds of spot shrimp harvested by 18 boats in 6 days. The 2006–2007 season lasted 5 days with 16 boats harvesting 36,469 lbs of spot shrimp.

Although CPUE trends have been stable or increasing for this area, which has one of the highest spot shrimp CPUEs in the region, CPUE data is not a good indicator of spot shrimp stock health. Both survey and sampling data with good sample sizes are available for this section and there are some biological indicators that serve as warning flags of a stressed population, including: 1) decreasing trend in mean CL from both on-grounds commercial and survey samples; 2) decreasing trend in L50 in survey samples; and 3) decreasing trend in CPUE of XL shrimp in survey samples. **Therefore, the GHL will be reduced to 34,000 pounds, a decrease of 20% for the 2007–2008 season.** As a general policy the ADFG has recommended that either increases or decreases in GHLs remain in place for at least three seasons before consideration of further changes.

Shrimp fishermen can expect the 2007/2008 season to last approximately five days, similar to last season. ADFG managers will make a field announcement of closure time over the VHF radio. The ADFG attempts to give as much notice as possible before a closure but closure announcements may provide as little as 24-hour notice. Catcher-processors will be exempt from weekly reporting requirements for this fishery due to the short duration of the Section 13-C fishery.

SECTIONS 13-A AND 13-B

The pattern of fishery development in Sections 13-A and 13-B was similar to that of Section 13-C. The first reported commercial harvest of pot shrimp occurred during the 1978/1979 fishing season and harvests remained below 5,000 pounds whole weight through the 1989/1990 fishing season. From the 1990/1991 through the 2001/2002 fishing season, harvests have ranged from 9,500 pounds to 30,000 pounds, averaging 16,300 pounds whole weight. A GHR of 15,000 pounds whole weight was established for the Section 13-A and Section 13-B fishery prior to the

1996/1997 fishing season. The 10-year average harvest from Section 13-A and Section 13-B is 15,000 pounds of spot shrimp harvested by 9 boats in 103 days. More recently a pattern of increased CPUE, fewer participants and shorter season length has been occurring.

During the 2006–2007 season 6 boats harvested 17,200 lbs of spot shrimp and the season lasted 17 days. This was the shortest season since the inception of the fishery. There is no survey and has been very limited biological sampling of shrimp from Sections 13-A/B. Since most of the harvest is generally from a few specific bays on the West Coast of Baranof Island, localized depletion effects are of concern but not substantiated.

The GHL for 2007–2008 will remain at 15,000 lbs of spot shrimp. For the 2007/2008 fishing season, harvesters can expect a season length similar to the 2006/2007 fishing season. Shrimp fishermen are advised that ADFG will be monitoring catch rates as an indicator of stock strength. If a pattern of reduced catch rates is evident it may be necessary to close the fishery or specific areas before the upper end of the GHR has been harvested to protect the resource from localized depletion as well as to provide for subsistence use of the resource. Catcher-processors participating in the Section 13-A and Section 13-B fishery will be required to report their catch and effort information to ADFG on a weekly basis beginning October 3, 2007.

JUNEAU/HAINES AREA FISHERIES

INTRODUCTION

The Juneau/Haines fishery management area encompasses Districts 11, 12, 14, 15, and 16. The pot shrimp fishery is managed for spot shrimp in Districts 12 and 14, where spot shrimp typically comprise over 95% of the shrimp harvest. Districts 15 and 16 are managed for coonstripe shrimp, which typically comprise 75–100% of the harvests in those districts. District 11 is managed for spot and coonstripe shrimp combined since the two species have contributed similar amounts to historical harvests in the district.

DISTRICT 11

District 11 includes those waters of Stephens Passage north of a line from Point League to Point Hugh, waters of Seymour Canal north of 57°37' N. latitude and waters that are south of the latitude of Little Island Light and east of a line running from Little Island Light to Point Retreat Light. Important shrimp fishing areas in the district include Seymour Canal, Endicott Arm, and Port Snettisham.

Prior to the 1995/1996 season the district was open year-around to commercial pot shrimp fishing. Between the 1990/1991 and 1994/1995 seasons, harvests averaged 2,000 lbs of shrimp. A GHR of 0 to 20,000 lbs of shrimp was established for the district starting with the 1995/1996 fishing season. Effort levels and harvests increased substantially beginning that season. The 1995/1996 season was closed by emergency order in June 1996, and the 1996/1997 season was closed in May 1997 when the GHL was reached. District 11 was open for the fewest number of days during the 2006–2007 season, closing by emergency order on October 19, 2006. However, the number of days fishing actually occurred was the same as during the previous season. During the nineteen days the district was open 23,529 pounds of spot shrimp were harvested, the first season since 1991 that no coonstripe shrimp were taken in District 11. There is no survey data and very little sampling data available for this district. What little there is does suggest a decline in average spot shrimp carapace length and a decline in L_{50} . Weekly catch reporting requirements for catcher-processors will be in place for the entire season.

The District 11 GHL will remain at 20,000 lbs of spot and coonstripe shrimp for the 2007/2008 season.

DISTRICT 12

District 12 includes those waters of Lynn Canal and Chatham Strait south of the latitude of Little Island Light, north of the latitude of Point Gardner, west of a line running from Little Island Light to Point Retreat, east of a line running from Point Couverden to Point Augusta, and east of a line running from Point Hayes to Point Thatcher. The district crosses management areas, with those waters along the western shoreline of Chatham Strait south of Point Hayes being located in the Sitka management area. Because most of the area is in the Juneau portion of the district, District 12 is managed by the Juneau area office with assistance from the Sitka office as needed.

Prior to the 1995/1996 season, the district was open year-around to pot shrimp fishing. A GHR of 0–20,000 lbs was established for the district starting with the 1995/1996 fishing season. Annual catches during the 1990/1991 to 1993/1994 seasons averaged 22,400 lbs, 93% of which was spot shrimp. The harvest increased dramatically to 58,900 lbs during the 1994/1995 season when a floating processor operated in the district. The season steadily shortened from 127 days during the 1995/1996 season to 7 days for the 2000/2001 season.

Since the 2001/2002 season, District 12 has been managed as two separate fisheries. Prior to this season, effort continued to concentrate in Tenakee Inlet accelerating the pace of the fishery. During the 2000/2001 season, 100% of the 20,000 pound GHR for District 12 was taken from the waters of Tenakee Inlet in just 7 days, forgoing known opportunity existing in the remainder of the district. For the 2001/2002 season, a 0–20,000 pound GHR for Tenakee Inlet was established, and a 0–15,000 pound GHR was established for the remainder of District 12.

For the 2005/2006 season, the GHL for Tenakee Inlet was increased 40% to 28,000 pounds of spot shrimp. During the 2006/2007 season, the second at the increased GHL, the fishery landed 30,032 pounds of spot shrimp in four days. Survey data indicates a decrease in the average carapace length, but no trend in the L_{50} length. Due to the rapidity of the Tenakee Inlet fishery, ADFG will monitor catch and effort levels and announce the closure on the grounds. **ADFG anticipates the pace of the fishery in Tenakee Inlet will be similar to the last four seasons when the fishery lasted between 3 and 6 days.** Catcher-processor weekly call-in requirements will be waived for the Tenakee fishery.

The Tenakee Inlet GHL will remain at 28,000 lbs of spot shrimp for the 2007/2008 season. However, based on sharply reduced CPUE observed during the early September, 2007 pre-season survey, the department has concerns with the stock. Department staff will scrutinize fishery performance on the fishing grounds and may target a lower GHL in this area if deemed appropriate.

In the remainder of District 12, 18,552 pounds of spot shrimp were harvested in 12 days during the 2006/2007 season, the shortest season since District 12 was split into two GHR areas. No survey or sampling data is available for this area. Effort has been steady and the season length has decreased, with the bulk of the harvest taken from two bays in the area. Since most of the harvest is from two bays, localized depletion effects are of concern but not substantiated. Landing information will continue to be monitored and ADFG may close specific bays if needed to distribute effort and harvest. Weekly catch reporting requirements for catcher-processors will be in place for the entire season.

The District 12-Remainder GHL will continue at 15,000 lbs of spot shrimp for the 2007/2008 season. Fishermen might expect a season length similar to the 12-day season of 2006/2007.

DISTRICT 14

District 14 includes those waters of Icy Strait west of a line from the southernmost tip of Point Couverden to Point Augusta Light, east of a line running from the southernmost tip of Cape Spencer through Yakobi Rock, and ending at Yakobi Island, and waters that are north of a line running from the northernmost point of Soapstone Point to the westernmost point of Column Point. Federal regulations prohibit all shrimp fishing in those waters of Glacier Bay proper (north of a line from Point Carolus to Point Gustavus).

The District 14 fishery had small, sporadic effort until the 1994/1995 season. With an increase in effort between the 1994/1995 and the 1999/2000 seasons, spot shrimp harvests in the District increased to average over 7,000 pounds annually. From the 2000/2001 season to the 2004/2005 season, with additional effort and efficiency, the average harvest in District 14 increased to 20,500 pounds of spot shrimp. For the 2006/2007 season the GHL was lowered to 15,000 pounds of spot shrimp. The 2006–2007 harvest was 13,259 lbs of spot shrimp and the season lasted 151 days. Although no survey data are available for this district, limited dockside sampling data indicate a declining trend in mean carapace length and L50. Effort has decreased due to disinterest and season length more than doubled. The bulk of the harvest has been consistently taken from one sub-district in the eastern third of the district. Fish ticket logbook data indicate overall declining catch per pot and fishermen's reports indicate possible serial depletion in the productive zone over the course of the season. The GHL failed to be taken during the 2006–2007 season. Weekly catch reporting requirements for catcher-processors will be in place for the entire season.

The District 14 GHL will remain 15,000 lbs of spot shrimp for the 2007/2008 season.

DISTRICT 15

District 15 includes those waters of Lynn Canal north of the latitude of Little Island Light. The District 15 pot shrimp fishery is managed by the Haines area office. The majority of the pot shrimp harvest in Lynn Canal is composed of coonstripe shrimp. Important fishing areas include Lutak Inlet, Chilkoot Inlet, Taiya Inlet, and Chilkat Inlet.

Prior to the 1996/1997 season the district was open year-around to commercial pot shrimp fishing. The average harvest between the 1990/1991–1994/1995 seasons was 3,200 pounds, 75% of which was coonstripe shrimp. A 0–20,000-pound GHR was established for the district starting with the 1995/1996 fishing season. Effort and harvests rapidly increased since the 1996/1997 season through the 2002/2003 season, averaging over 20,000 pounds, 99% of which was coonstripe shrimp. The fishery has closed early by emergency order during the 1995/1996 through the 2002/2003 seasons. Harvests of shrimp from catcher-processors have increased during these years as well, and over 50% of the total harvest was taken by catcher/processors. Due to concerns over serial depletion in core fishing areas, Lutak Inlet was not opened to commercial shrimp fishing north of the latitude of Tanini Point during the spring/summer fishery in 2004 and Lutak Inlet was closed north of a line from Tanini Point to Taiya Point during the 2005 spring fishery. The GHL was reduced from 20,000 pounds to 15,000 pounds for the

2005/2006 season. The 2005–2006 District 15 harvest was 4,230 lbs of coonstripe shrimp and the district closed for the season on February 28, 2006. District 15 was closed at the outset of the 2006–2007 season.

The decision to close District 15 was based on a combination of several factors. The season length increased and the GHL was not reached in the most recent three seasons. Reported harvest was no longer from the traditional core fishing areas, and fishermen reported depletion of shrimp in these areas. Limited dockside sampling indicated declining trends in mean carapace length. To further protect this stock, Sport Fish Division closed the taking of shrimp in Lutak and Taiya Inlets in 2006 under sport fishing regulations, and is extending this closure through 2007. Alaskan residents will continue to be allowed to harvest shrimp under subsistence regulations in District 15.

The Southeast Alaska Pot Shrimp Management Plan specifies a 0–20,000-pound GHR for coonstripe shrimp in Lynn Canal. Due to the poor fishery performance described above, **District 15 will remain closed to the commercial and sport pot shrimp fisheries for the 2007/2008 season.**

DISTRICT 16

District 16 includes those waters that are north of a line running west from the southernmost tip of Cape Spencer and south of a line running southwest from the westernmost tip of Cape Fairweather. The offshore area of District 16 includes the waters of the EEZ. The major shrimp fishing area in District 16 is Lituya Bay and coonstripe shrimp typically dominate the harvest.

Shrimp harvests in District 16 averaged 2,900 lbs during the year-around seasons between 1990/1991–1994/1995, with spot shrimp comprising 58% of the harvest. The 0 to 20,000 pound GHR for coonstripe shrimp was established for the district starting with the 1995/1996 fishing season. Coonstripe shrimp harvests in the district appeared to be stable from 1996/1997 through 2001/2002 with an average harvest of 17,000 lbs. Season length declined during this period with constant effort and a relatively stable harvest level. Following the 2001/2002 season, the trend for this population appears to be declining. In 2004/2005, the GHL was reduced to 15,000 lbs of coonstripe shrimp due to steadily decreasing harvest and CPUE levels, and increasing season length with stable effort levels. Since the 1996/1997 season the entire harvest has come from one small bay in the district. District 16 was closed to pot shrimp fishing for the 2005/2006 and the 2006/2007 seasons. **District 16 will remain closed for the 2007/2008 season.**

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TABLES AND FIGURES

Table 1.—Historical harvest of spot shrimp (whole weight) in the Southeast Alaska commercial pot shrimp fishery by District/Section, 1971–2006.

Season	101	102	3-A	3-B/C	104	105	106	107	108
Oct 1971-Sep 1972	1,408							212	
Oct 1972-Sep 1973								625	
Oct 1973-Sep 1974		7,274							
Oct 1974-Sep 1975	2,692	1,250							
Oct 1975-Sep 1976	6,346	11,478	490						
Oct 1976-Sep 1977	1,940	9,582		926				3,268	
Oct 1977-Sep 1978	4,897	14,141				732		3,815	
Oct 1978-Sep 1979	4,163	6,703	1,570		1,280			2,167	
Oct 1979-Sep 1980	15,079	12,014	6,289					16,622	227
Oct 1980-Sep 1981	15,210	13,821	24,552	435	368		493	16,637	358
Oct 1981-Sep 1982	25,278	17,531	53,101	3,574			7,168	14,943	1,583
Oct 1982-Sep 1983	28,778	34,720	83,885	565	772		7,464	71,384	2,657
Oct 1983-Sep 1984	40,550	22,427	30,192	6,191	480	1,050	7,589	82,364	15,062
Oct 1984-Sep 1985	68,871	50,421	17,985	556	34	244	6,133	80,020	8,582
Oct 1985-Sep 1986	35,282	37,105	70,936	212	878	104	5,373	21,212	1,702
Oct 1986-Sep 1987	60,044	136,456	45,624	3,243		1,132	1,379	37,996	1,266
Oct 1987-Sep 1988	116,204	79,769	27,432	30	100	1,686	483	49,094	2,357
Oct 1988-Sep 1989	196,834	62,683	15,029	4,664	714	3,876	6,742	60,009	796
Oct 1989-Sep 1990	151,758	68,515	19,850	6,972	2,696		7,290	42,020	17,272
Oct 1990-Sep 1991	178,471	78,428	49,214	11,744	11,288		9,038	93,881	12,654
Oct 1991-Sep 1992	161,643	81,481	269,507	4,828	438	706	19,484	112,191	13,482
Oct 1992-Sep 1993	157,056	70,100	218,043	3,244	4,674	846	23,830	57,822	17,884
Oct 1993-Sep 1994	146,094	119,300	272,916	14,716	5,398	1,884	39,044	105,566	19,141
Oct 1994-Sep 1995	156,742	76,498	214,955	16,515	1,002	21,628	129,327	169,926	23,211
Oct 1995-Sep 1996	173,137	89,724	196,607	48,493	23,135	34,614	73,577	100,675	8,074
Oct 1996-Sep 1997	165,991	82,303	232,547	48,100	20,513	23,174	77,642	102,594	25,294
Oct 1997-Sep 1998	138,759	83,886	222,132	5,878	10,217	5,931	70,182	96,932	17,233
Oct 1998-Sep 1999	158,348	75,321	205,818	7,960	6,071	5,471	64,010	63,870	15,797
Oct 1999-Sep 2000	154,980	76,091	226,900	7,026	16,612	11,719	67,005	75,868	20,816
Oct 2000-Sep 2001	159,316	121,953	266,837	36,508	20,343	13,791	77,318	100,768	21,708
Oct 2001-Sep 2002	169,544	103,774	255,370	62,721	10,337	7,857	70,919	103,328	17,464
Oct 2002-Sep 2003	152,022	89,581	264,653	53,553	22,153	19,049	68,293	99,250	22,105
Oct 2003-Sep 2004	170,113	96,687	284,808	64,839	20,364	17,733	69,808	104,394	20,867
Oct 2004-Sep 2005	159,234	88,258	256,392	46,497	19,296	21,498	65,487	80,072	18,935
Oct 2005-Sep 2006	160,546	83,052	202,186	56,051	18,579	19,282	81,955	79,927	21,494
Oct 2006-Sep 2007	141,871	99,092	205,435	47,309	15,085	10,216	80,650	80,491	21,256
Average									
1997/98–2006/07	156,473	91,770	239,053	38,834	15,906	13,255	71,563	88,490	19,768

-continued-

Table 1.—continued (page 2 of 2)

Season	109	110	111	Tenake	112	13-A/B	13-C	114	115	116	Total
Oct 1971–Sep											1,620
Oct 1972–Sep											625
Oct 1973–Sep											7,274
Oct 1974–Sep											3,942
Oct 1975–Sep											18,314
Oct 1976–Sep											15,716
Oct 1977–Sep							347				23,932
Oct 1978–Sep					1,166	50	63				17,162
Oct 1979–Sep						8	645	270			51,154
Oct 1980–Sep	4,292	2,148			380	98	414				79,206
Oct 1981–Sep	4,309	6	1,004		2,250	1,388	12,730	1,716		2,466	149,047
Oct 1982–Sep	9,386	3,708			440	4,817	10,011	108		450	259,145
Oct 1983–Sep	1,643	14,188	66		3,070	674	19,389			596	245,531
Oct 1984–Sep	2,351	33,342	1,129		1,920	120	16,816	328		3,640	292,492
Oct 1985–Sep	1,643	13,400	255		371		10,953	97	293		199,816
Oct 1986–Sep	4,962	31,974	2,282	1,574	1,746		10,825	159	1,212	3,530	345,404
Oct 1987–Sep	18,234	28,587	2,342	8,071	5,270		21,170	1,716	34	98	362,677
Oct 1988–Sep	6,616	36,302	618	6,122	4,626	3,878	22,417	12			431,938
Oct 1989–Sep	310	47,875	564	1,864	4,710	3,180	26,873			1,052	402,801
Oct 1990–Sep	5,234	42,439		7,004	8,714	11,048	28,560			504	548,221
Oct 1991–Sep	2,866	48,427	1,901	9,804	2,450	23,614	36,417		2,501	2,918	794,658
Oct 1992–Sep	8,893	29,456	8	21,770	4,253	9,506	30,901		834	240	659,360
Oct 1993–Sep	23,702	35,229	1,920	23,516	6,029	20,705	38,938		92	1,432	875,622
Oct 1994–Sep	11,557	85,149	2,403	45,939	12,437	22,173	79,924	2,267	301	3,082	1,075,036
Oct 1995–Sep	25,485	42,180	11,116	25,749	2,158	9,849	38,195	17,154	491	2,664	923,077
Oct 1996–Sep	19,500	51,889	8,919	16,028	12,366	13,156	32,607	4,309	384	3,917	941,233
Oct 1997–Sep	20,836	37,474	7,577	20,291	5,131	12,843	27,336	12,191	125	3,390	798,344
Oct 1998–Sep	17,781	30,182	4,138	28,583	1,390	13,924	50,391	6,651	54	2,169	757,929
Oct 1999–Sep	18,284	36,976	3,091	21,850	1,589	14,114	30,569	240		2,980	786,710
Oct 2000–Sep	20,765	46,099	17,051	25,613		12,914	33,001	17,639	97	3,965	995,686
Oct 2001–Sep	18,243	38,156	15,217	19,777	14,175	13,878	25,822	25,004	24	1,464	973,074
Oct 2002–Sep	15,713	54,706	19,126	21,558	16,904	14,066	38,318	19,903	2	6,763	997,718
Oct 2003–Sep	17,904	61,631	18,852	30,494	19,605	13,606	42,240	19,590	43	1,763	1,075,341
Oct 2004–Sep	17,911	51,592	20,833	23,729	17,627	18,306	34,270	21,282		2,631	963,850
Oct 2005–Sep	20,252	53,292	23,055	36,435	13,521	13,194	43,605	15,845			942,271
Oct 2006–Sep	24,113	51,409	23,529	30,032	18552	16,819	36,449	13,529			915,567
Average											
1997/98–2006/07	19,180	46,152	15,247	25,836	12,055	14,366	36,200	15,187	58	3,141	920,649

Table 2.—Historical harvest of coonstripe shrimp (whole weight) in the Southeast Alaska commercial pot shrimp fishery by District/Section, 1975–2006.

Season	101	102	3-A	3-B/C	104	105	106	107	108
Oct 1975–Sep 1976		35							
Oct 1979–Sep 1980								168	257
Oct 1980–Sep 1981		900			54		5		
Oct 1981–Sep 1982	1,050						2,148	554	427
Oct 1982–Sep 1983	1,550		60				305	2,494	19
Oct 1983–Sep 1984	240	39	130	38			139	4,648	851
Oct 1984–Sep 1985	185	81			50		28	5,261	134
Oct 1985–Sep 1986	1,366	436					668	1,829	1,040
Oct 1986–Sep 1987	865	840					792	2,619	744
Oct 1987–Sep 1988	2,360	186					94	1,104	478
Oct 1988–Sep 1989	3,892	92			20		1,252	1,540	56
Oct 1989–Sep 1990	3,521	110		114			1,094	2,176	1,426
Oct 1990–Sep 1991	2,742	456	12	796	76		1,206	3,706	914
Oct 1991–Sep 1992	6,977	2,096	10	96			1,673	11,233	1,807
Oct 1992–Sep 1993	3,042			602			524	6,414	2,183
Oct 1993–Sep 1994	1,839	1,314		1,000			2,164	14,759	6,032
Oct 1994–Sep 1995	3,163	475	56	706			921	29,630	7,217
Oct 1995–Sep 1996	6,126	807		40	148	278	2,216	18,589	1,110
Oct 1996–Sep 1997	5,802	200		317	300	1,066	1,381	25,652	4,465
Oct 1997–Sep 1998	3,925	8					2,373	30,268	2,776
Oct 1998–Sep 1999	4,842	317	141	12		25	2,914	35,975	4,101
Oct 1999–Sep 2000	3,609		5		1	120	3,069	24,673	2,687
Oct 2000–Sep 2001	1,961	10				540	2,124	14,881	1,828
Oct 2001–Sep 2002	4,904			230			116	24,804	2,111
Oct 2002–Sep 2003	5,371			621		514	38	14,262	2,223
Oct 2003–Sep 2004	12,260	24	60	370		4	218	17,268	1,867
Oct 2004–Sep 2005	10,242	266				86	37	10,899	913
Oct 2005–Sep 2006	13,379	8		221			441	7,983	3,453
Oct 2006–Sep 2007	12,090	18					39	6,795	2,209
Average									
1997/98–2006/07	7,258	93	69	291	1	215	1,137	18,781	2,417

-continued-

Table 2.—continued (page 2 of 2)

Season	109	110	111	Tenakee	112	13- A/B	13-C	114	115	116	Total
Oct 1975–Sep 1976											35
Oct 1979–Sep 1980											425
Oct 1980–Sep 1981	533										1,492
Oct 1981–Sep 1982	600	6			260		70	80		2,220	7,415
Oct 1982–Sep 1983	226	172								1,850	6,676
Oct 1983–Sep 1984	16				200		1,007			3,364	10,672
Oct 1984–Sep 1985		150					109	182			6,180
Oct 1985–Sep 1986	34		58				80			3,336	8,847
Oct 1986–Sep 1987	190	440	25	410			206			770	7,901
Oct 1987–Sep 1988	534	434		509			320	332			6,351
Oct 1988–Sep 1989		157				16	527			918	8,470
Oct 1989–Sep 1990	14	29	1,828			251	218				10,781
Oct 1990–Sep 1991		297	1,546		1,112	70	171		664	333	14,101
Oct 1991–Sep 1992	26	1,184				1,068	64		759	1,480	28,473
Oct 1992–Sep 1993	700	1,237	1,250	568		40			378	122	17,060
Oct 1993–Sep 1994	3,273	854	200	3,704	164	1,934	942	378	1,660	1,748	41,965
Oct 1994–Sep 1995	525	3,333	669	476	40	7,952	178	96	8,609	2,795	66,841
Oct 1995–Sep 1996	444	6,662	12,214	150		1,188		348	9,519	5,012	64,851
Oct 1996–Sep 1997	10	1,130	11,580	221		2,964	968	2	21,772	16,008	93,838
Oct 1997–Sep 1998	185	2,125	10,307	77		804	84	55	21,833	17,334	92,154
Oct 1998–Sep 1999	275	1,607	4,791	116		1,107	214		22,704	15,415	94,556
Oct 1999–Sep 2000		945	5,057	4		891	28		24,668	16,053	81,810
Oct 2000–Sep 2001	66	145	2,792	14		636			24,119	17,867	66,983
Oct 2001–Sep 2002	196	286	8,366			450	54	16	18,918	18,490	78,941
Oct 2002–Sep 2003	222	4	334		144	802	22		19,559	16,504	60,620
Oct 2003–Sep 2004	304	22	3,162			402	68		6,873	14,476	57,378
Oct 2004–Sep 2005			930		36	196			6,278	6,612	36,495
Oct 2005–Sep 2006			262			888	6		4,230		30,871
Oct 2006–Sep 2007						328	20				21,499
Average											
1997/98–2006/07	208	733	4,000	53	90	650	62	36	16,576	15,344	62,131

Table 3.—Historical seasonal closure dates and days fished by District/Section for the Southeast Alaska commercial pot shrimp fishery, 1995/1996 through 2006/2007.

	2006/2007	Days	2005/2006	Days	2004/2005	Days	2003/2004	Days	2002/03	Days	2001/02	Days	2000/01	Days	1999/00	Days
Area			Closure Date	Fished	Closure Dated	Fished	Closure Date ^a	Fished	Closure Date ^b	Fished						
1	16 Nov 06	47	14 Dec 05	75	20 Dec 04	80	19 Nov 03	49	21 Nov 02	52	19 Nov 01	50	10 Nov 00	41	7 Feb 00	130
2	7 Nov 06	38	14 Oct 05	14	14 Oct 04	13	22 Oct 03	21	30 Oct 02	30	28 Oct 01	28	29 Oct 00	29	3 Nov 99	34
3-A	18 Oct 06	18	15 Oct 05	15	21 Oct 04	20	17 Nov 03	47	9 Nov 02	41	28 Oct 01	28	10 Oct 00; 4 Nov 00	14	12 Oct 99	12
3-B/C	16 Nov 06	47	25 Nov 05	6	15 Oct 04	14	15 Oct 03	14	21 Oct 02	21	15 Nov 01	46	15 Oct 00	15	-	-
4	31 July 07	229	16 Jul 06	213	28 Feb 05	150	16 Jul 04	213	28 Feb 03	151	31 Jul 02	229	16 Jul 01	213	31 Jul 00	230
5	31 July 07	229	28 Feb 06	151	22 Jul 05	222	31 Jul 04	229	31 Jul 03	228	31 Jul 02	229	31 Jul 01	229	31 Jul 00	230
6	8 Nov 06	39	16 Dec 05	77	21 Oct 04	21	24 Oct 03	24	26 Oct 02	26	27 Oct 01	27	11 Nov 00; 17 Dec 00	51	14 Feb 00	137
7	22 Oct 06	22	30 Oct 05	30	6 Nov 04	37	21 Jan 04	113	8 Nov 03	39	8 Nov 01, 10 Dec 01 ^e	71	3 Nov 00	34	24 Nov 99	55
8	30 Oct 06	30	6 Nov 05	37	6 Nov 04	37	18 Oct 03	18	31 Oct 02	31	4 Nov 01	35	23 Oct 00	23	22 Oct 99	22
9	16 Oct 06	16	19 Oct 05	19	30 Oct 04	30	24 Oct 03	24	1 Nov 02	32	25 Oct 01	25	1 Nov 00	32	26 Nov 99	57
10	8 Oct 06	8	8 Oct 05	8	11 Oct 04	11	12 Oct 03	12	16 Oct 02	16	14 Oct 01	14	26 Oct 00	26	30 Oct 99	30
11	19 Oct 06	19	12 Nov 05	43	12 Nov 04	43	17 Nov 03	48	12 Dec 02	73	24 Jan 02	116	10 Feb 01	133	31 Jul 00	230
Tenakee	4 Oct 06	4	5 Oct 05	5	3 Oct 04	3	6 Oct 03	37	6 Oct 02	6	6 Oct 01	6	7 Oct 00	7	9 Oct 99	9
12-Rmr	12 Oct 06	12	16 Oct 05	16	23 Oct 04	23	6 Nov 03	6	31 Oct 02	31	29 Dec 01	90				
13-C	5 Oct 06	5	6 Oct 05	6	5 Oct 04	5	5 Oct 03	5	5 Oct 02	5	4 Oct 01	4	5-Oct-00	5	5 Oct 99	5
13-A/B	17 Oct 06	17	30 Oct 05	30	28 Feb 04	152	28 Feb 04	152	5 Jan 03	97	28 Feb 02	151	28 Feb 01	151	29 Feb 00	152
14	28 Feb 06	151	28 Feb 06	151	7 Dec 04	68	15 Jan 04	107	18 Jan 03	110	27 Jun 02	194	31 Jul 01	229	31 Jul 00	230
15	Closed		28 Feb 06	151	30 Jul 05	226	31 Jul 04	230	6 Feb 03	129	28 May 02	163	12 Dec 01	73	10 Jun 00	178
16	Closed		Closed	0	28 Feb 05	151	28 Feb 04	152	28 Feb 02	151	5 Dec 01	66	20 Nov 01	51	15 Dec 99	76

-continued-

Table 3.—continued (page2 of 2)

District /Section	1998/99 Closure Date ^e	Days Fished	1997/98 ^c Closure Date	Days Fished	1996/97 Closure Date	Days Fished	1995/96 Closure Date ^f	Days Fished
1	5 Jan 99	97	7 Nov 97	38	6 Nov 96	37	2 Jan 96	94
2	5 Jan 99	97	22 Oct 97	22	30 Oct 96	30	10 Jan 96	102
3-A	Oct 9 98, Oct 26–30 98	14	9 Oct 97	9	14 Oct 96	14	13 Nov 95	44
3-B/C	-	-	-	-	-	-	-	-
4	31 Aug 99	335	31 Aug 98	335	29 Aug 97	333	8 May 96	220
5	31 Aug 99	335	31 Aug 98	335	27 Dec 96	88	13 Mar 96	164
6	14 Feb 99	137	3 Nov 97	34	1 Nov 96	32	5 Nov 95	36
7	31 Dec 98	92	24 Oct 97	24	20 Oct 96	20	5 Nov 95	36
8	19 Oct 98;2 Nov 98;13 Nov 98 ^f	29	23 Oct; 26 Oct 29 97 ^h	27-	1 Nov 96	32	5 Nov 95	36
9	2 Dec 98	63	9 Dec 97	70	27 Dec 96	88	11 Mar 96	162
10	20 Nov 98	51	3 Nov 97	34	29 Nov 96	60	6 Jan 96	98
11	31 Aug 99	335	31 Aug 98	335	18 May 97	230	23 Jun 96	266
12	15 Oct 98	15	31 Oct 97	31	18 Nov 96	49	4 Feb 96	127
13-C	-	-	10 Oct 97	10	18 Oct 96	18	16 Jan 96	16 ⁱ
13-A/B	7 Oct 98	7	8 Dec 97	69	25 Nov 96	56	16 Jan 96	16 ⁱ
14	28 Feb 99	151	31 Aug 98	335	30 Sep 97	365	30 Sep 96	365
15	31 Aug 99	335	26 Jun 98	269	30 Sep 97	365	30 Sep 96	365
16	21 May 99	264	8 Dec 97	69	26 Feb 97	149	30 Sep 96	365

^a During the 2000/2001 season District 6 was open from October 1 to November 14 and December 9 to 17. Section 3-A was open from October 1 to 10 and from November 1 to 4.

^b During the 1999/2000 season Districts 4, 5, 11, 14, and 15 were closed from March 1 through May 14.

^c During the 1997/1998 season District 8 was open October 1 to 20 and October 26 to 29. During the 1997/1998 shrimp pot fishery, gear operation was restricted to daylight hours only, 8 a.m. to 4 p.m. Several districts were closed August 31, 1998 for re-registration and issuing of pot tags.

^d During the 2001/2002 season, District 7 was open October 1 to November 8 and November 25 to December 10.

^e During the 1998/1999 season District 8 closed October 19, reopened October 30 through November 2, and then reopened from November 8 through 13. During the 1998/1999 season Districts 4, 5, 11, 14, and 15 were closed from March 1 through April 30.

^f During the 1995/1996 season, District 13 did not open October 1, 1995, but opened January 1, 1996.

Table 4.—Guideline harvest levels for the 2007/2008 Southeast Alaska commercial pot shrimp fishery by District or Section, GHGs for the 2005/2006 season, and GHGs for the 2006/2007 season compared to actual harvests.

District/Section	Guideline Harvest Level 2007/2008 (whole pounds)	Guideline Harvest Level 2006/2007 (whole pounds)	Guideline Harvest Level 2005/2006 (whole pounds)	Actual Harvest in 2006/2007 Season
1	98,400	98,400	164,000	141,871
2	86,000	86,000	86,000	99,092
3-A	198,000	198,000	198,000	205,435
3-B/C	40,000	50,000	50,000	47,309
4	20,000	20,000	20,000	15,085
5	20,000	20,000	20,000	10,216
6	82,000	82,000	82,000	80,650
7	78,000	78,000	78,000	80,491
8	20,000	20,000	20,000	21,256
9	18,000	18,000	18,000	24,113
10	48,000	48,000	48,000	51,409
11 ^a	20,000	20,000	20,000	23,529 ^a
Tenakee Inlet	28,000	28,000	28,000	30,032
Remainder of 12	15,000	15,000	15,000	18,552
13-A/B	15,000	15,000	15,000	16,819
13-C	34,000	42,000	42,000	36,449
14	15,000	15,000	20,000	13,259
15	Closed	Closed	15,000	N/A ^b
16	Closed	Closed	Closed	N/A ^b
Total	835,400	853,400	937,000	915,567

Note: GHGs are for spot shrimp only unless otherwise noted.

^a GHG for District 11 is for spot and coonstripe shrimp combined.

^b GHGs for Districts 15 and 16 are for coonstripe shrimp.

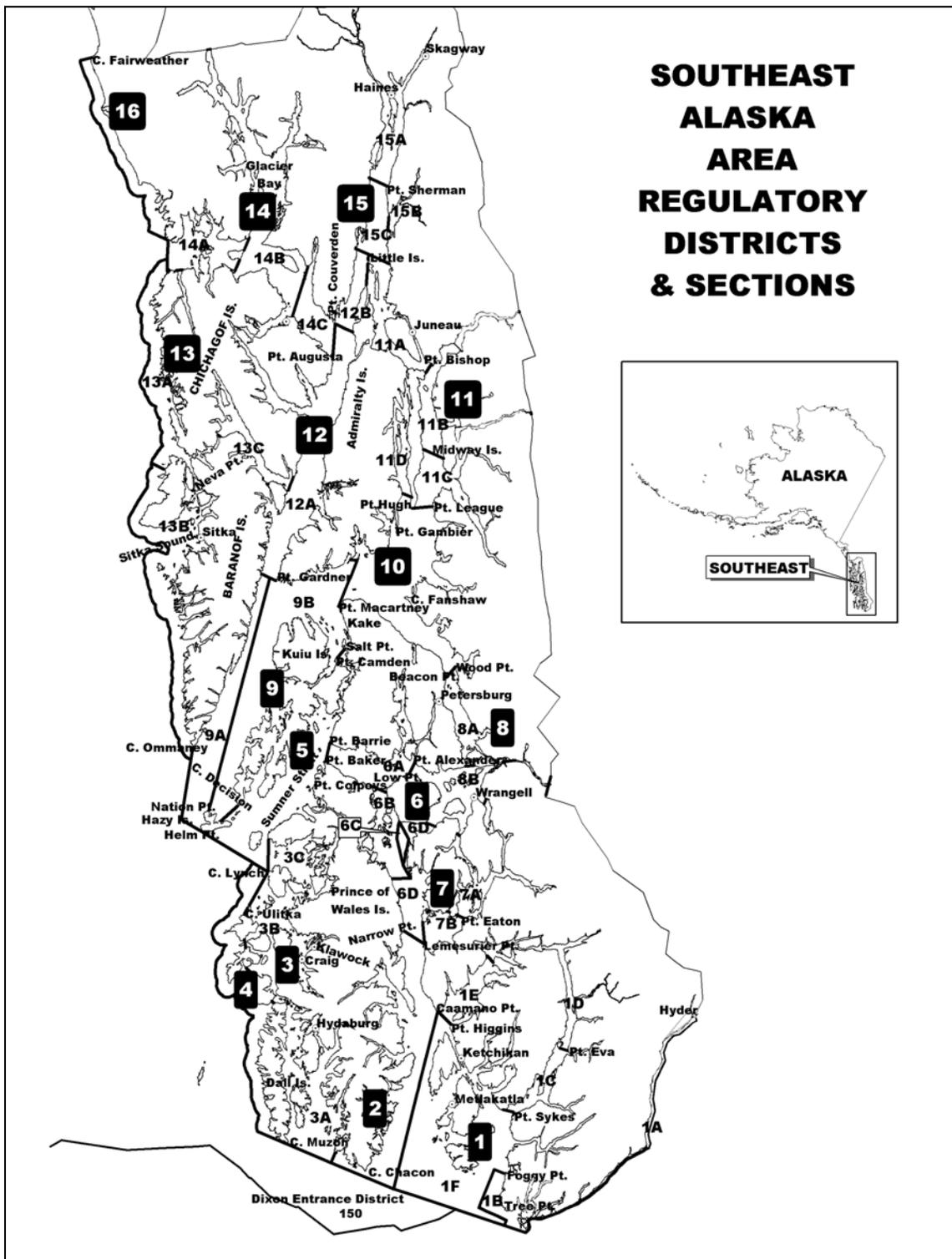


Figure 1.—Southeast Alaska commercial fishing regulatory sections.

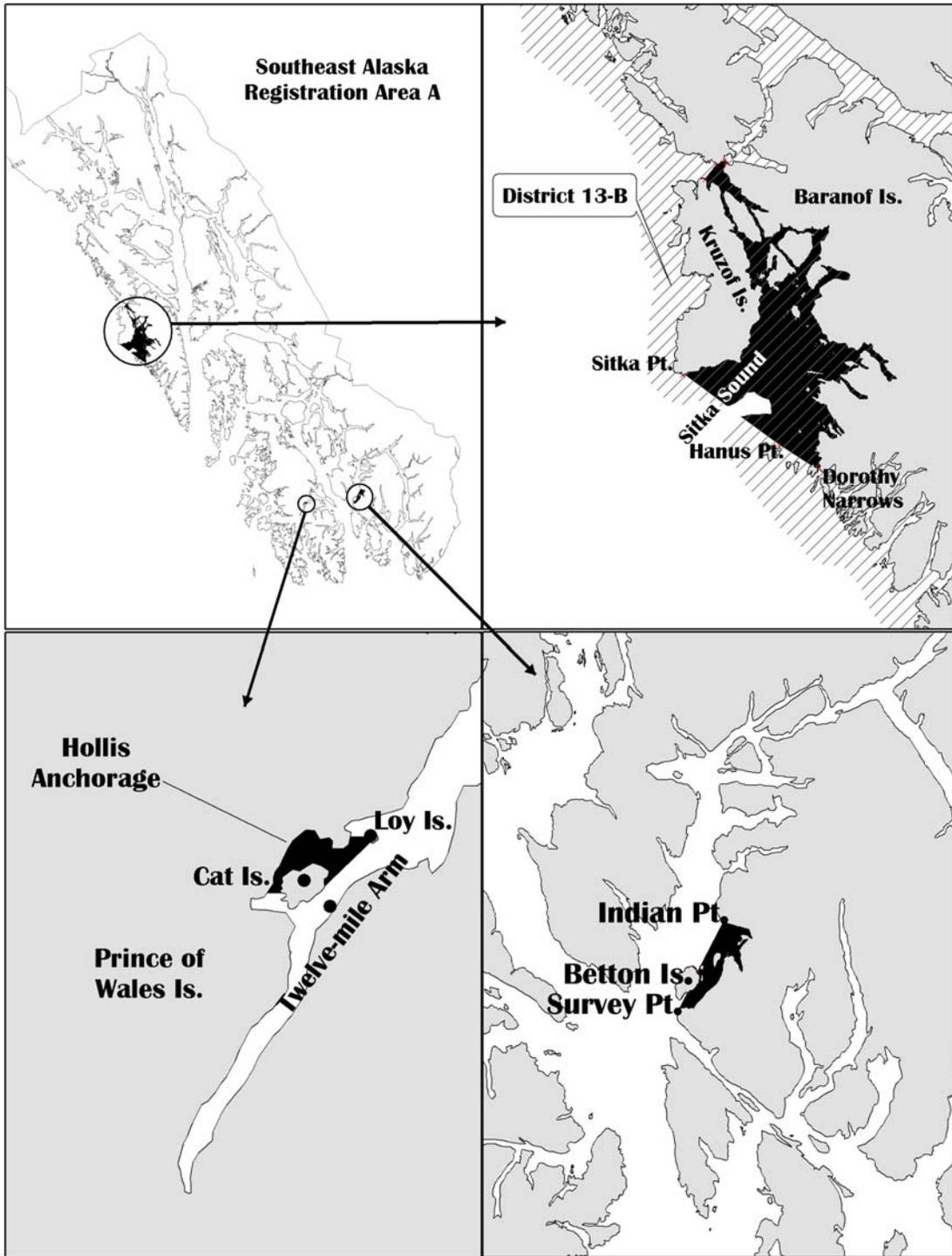


Figure 2.—Closed waters for pot shrimp fishing in Registration Area A.

APPENDICES

Appendix B.—September 2, 2006 letter to Region Pot Shrimp Catcher-Processors and Direct Marketers, notifying of changes to shrimp fish tickets, and size categories.

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

DIVISION OF COMMERCIAL FISHERIES

SARAH PALIN, GOVERNOR

P.O. Box 110024
Juneau, AK 99811-0024
PHONE: (907) 465-4250
FAX: (907) 465-4944

September 5, 2007

To Southeast Region Pot Shrimp Catcher-Processors and Direct Marketers,

The purpose of this letter is to invite you to participate in the third season of the voluntary pot shrimp logbook program to help the department gather spot shrimp size data. ADF&G's sampling program provides biological information on about half of the districts in which shrimp are now harvested. Additional information from fishermen provides valuable insight into the condition of the shrimp resource, especially in areas for which there are no sampling data.

On January 24, 2005 at the Pot Shrimp Task Force meeting in Ketchikan, ADF&G made a commitment to collect spot shrimp size data so that it can be analyzed by fishing area, management area, district, time (such as catch date or statistical week), and to avoid additional in-season reporting by fishermen. In order to meet these requirements, the department:

- Produced a Voluntary Pot Shrimp Logbook Registration Form that participants fill out at registration for the fishery to provide size category, size in grams, and number of shrimp per box information used to decode fish ticket data.
- Requested participants to continue to record size breakdowns by box or pounds on fish tickets.
- Created database tables for registration information and boxes and pounds information by size category.
- Wrote programs to merge fish ticket data with registration information and to standardize fishermen's size categories, average weights, and average number per box into ADF&G size classes.

Last year 26% of all pot shrimp catcher/processors participated in the program. The department processed 414 fish tickets with size data for whole spot shrimp and was able to analyze size composition of commercial harvest versus survey data for fishing areas for which data was received.

Please participate in the voluntary log book program this season! To do so, fill out the enclosed form that includes vessel name, vessel ADF&G number, CFEC permit number, name, phone number, pot size (large or small), mesh size, and whether or not a specific size range of spot shrimp will be targeted this season. We are requesting that you provide information on your market's size categories, including the minimum and maximum size in grams and minimum and maximum counts per category. You can bring this form with you or fill it out when you come to your ADF&G office to register for the fishery.

The information provided at registration will be used to interpret the data on your fish tickets, which should be recorded in pounds or one kilogram boxes by size category. It is important to clearly identify your size category information as pounds or boxes (see enclosed sample fish tickets). Remember that the entire harvest by species must always be reported in pounds on each ticket. The registration information will be used to convert the fish ticket data into numbers of spot shrimp in various size classes.

Your voluntary efforts will help ADF&G to better determine the health of spot shrimp stocks and may be useful in consideration of whether changes to guideline harvest levels are appropriate to better manage the spot shrimp resource.

Sincerely,

Bill Davidson, Regional Management Coordinator
Commercial Fisheries, Region I

Enclosures: Voluntary Pot Shrimp Logbook Registration form and sample, fish ticket examples (2)

Appendix C.–Sample ADF&G Voluntary Pot Shrimp Logbook Registration Form (Blank).

Voluntary Pot Shrimp Logbook Registration Form

Year	2005				
Season	05-06				
Species	965				
Vessel Name & ADFG No.					
CFEC Permit Number					
Permit Holder's name					
Permit Holder's phone number					
Number of Pots					
Pot Size (large or small)					
Mesh Size					
Target Specific Size Range (e.g. medium)					
Size Information					
Whole or Tails	Category	Size / Grams.		Number	
		Min.	Max.	Min.	Max.

Appendix D.—Sample ADF&G Voluntary Pot Shrimp Logbook Registration Form (Completed).

Sample

Voluntary Shrimp Logbook Registration Form

Year	2006				
Season	06-07				
Species	965				
Vessel Name & ADFG No.	Dog Gone It 12345				
CFEC Permit Number	P91A00000Z				
Permit Holder's Name	John Doe				
Permit Holder's phone no.	586-0000				
Number of Pots	140				
Pot Size (large or small)	small				
Mesh Size	1.25 inch				
Target Specific Size Range (e.g. medium)	XL				
		Size Information per 1 kg. Box			
		Grams		Number	
Whole or Tails	Category	Min.	Max.	Min.	Max.
Whole	SJ	70		14	
	J	50	70	15	19
	XL	40	50	20	24
	L	35	40	25	30
	M	25	35	31	40
Tails/ pound	4-15				
	16-20				
	21-30				
	31-40				

Appendix E.-Sample ADF&G Shrimp Ticket filled out with Boxes.

Example with boxes

PLACE WRAP AROUND COVER UNDER GOLDENROD COPY
 WHITE - PURCHASER YELLOW - FISH & GAME PINK - SELLER GOLDENROD - PURCHASER

ALASKA DEPARTMENT OF FISH & GAME
 SHRIMP TICKET

PURCHASER

Vessel Name Dog Gone II
 Fishery _____
 Name John Doe
 Permit Number PA1A00000Z

ADF&G NO. 12345
 Date Fishing Began (Gear in Water) 10/2/06

DO NOT WRITE IN THIS SPACE
S05
 Number of pot lifts 140
 Port of Landing or off-shore operations type Ket
 Type of Gear used _____

Proc. Code F0006 10/4/06 ← Date Landed
 Company Dog Gone Sfcls 2 ← Days Fished (Gear in Water)

PARTIAL DELIVERY
 Ticket No. _____
 Processor _____

SPECIES	CODE	STAT AREA	EFFORT	POUNDS	DELIV CODE	PRICE	AMOUNT	SPECIES	CODE	STAT AREA	EFFORT	POUNDS	DELIV CODE	PRICE	AMOUNT
Northern (Pink) Shrimp	961							Spot Shrimp	965	101-44		222.2	01		
											Boxes				
											SJ	27	01		
											J	23			
											XL	16			
											L	18			
											M	7			
(deadloss)	961				79			(deadloss)	965				78		
Sidestriped Shrimp	962							Humpy-Shrimp	962	415		20	78		
											16-20	3			
											21-30	12			
											31-40	5			
												40			
								(deadloss)	963				79		
								Octopus	870						
(deadloss)	961				79										
Coonstriped Shrimp	964														
Discards/Personal Use/Not Sold Species, Disposition, and Pounds															
(deadloss)	961				79										

DELIVERY CODES	
Whole Animal - 01	Deadloss - 79
Tails - 78	Discard at Sea - 98
Personal Use - 95	Discard on Shore - 99

UNITS OF EFFORT	
Drag/Dredge	- No. lows
Pot	- No. pot lifts

ADF&G USE
Interview
Observer
Logbook

Appendix F.—Sample ADF&G Shrimp Ticket filled out with Pounds.

Example with Pounds
 PLACE WRAP AROUND COVER UNDER GOLDENROD COPY
 WHITE - PURCHASER YELLOW - FISH & GAME PINK - SELLER GOLDENROD - PURCHASER

**ALASKA DEPARTMENT OF FISH & GAME
SHRIMP TICKET**

PURCHASER

Vessel Name Dog Gone It
 Fishery Name John Doe
 Permit Number PA1A00000Z

ADF&G NO. 12345
 Date Fishing Began (Gear in water) 10/2/06

DO NOT WRITE IN THIS SPACE

Number of pot lifts 140

DO NOT WRITE IN THIS SPACE
S05
 Port of Landing or off-shore operations type Ket
 Type of Gear used

Proc. Code F000 10/5/06 ◀ Date Landed
 Company Dog Gone Sels. 2 ◀ Days Fished (Gear in Water)

PARTIAL DELIVERY
 Ticket No.
 Processor

SPECIES	CODE	STAT AREA	EFFORT	POUNDS	DELIV CODE	PRICE	AMOUNT	SPECIES	CODE	STAT AREA	EFFORT	POUNDS	DELIV CODE	PRICE	AMOUNT
Northern (Pink) Shrimp	961							Spot Shrimp	965	101-44		222.2	01		
										SJ		81.4	01		
										J		50.6			
										XL		35.2			
										L		39.6			
										M		15.4			
(deadloss)	961				79			(deadloss)	965	U15		20	78		
Sidestriped Shrimp	962							Bumpy Shrimp	963	16-20		3			
										21-30		12			
										31-40		5			
												40	78		
								(deadloss)	963				79		
								Octopus	870						
(deadloss)	961				79										
Coonstriped Shrimp	964														
(deadloss)	961				79										

Discards/Personal Use/Not Sold/Species/Disposition and Pounds

DELIVERY CODES	
Whole Animal - 01	Deadloss - 79
Tails - 78	Discard at Sea - 98
Personal Use - 95	Discard on Shore - 99

UNITS OF EFFORT	
Drag/Dredge	- No. tows
Pot	- No. pot lifts

ADF&G USE
Interview
Observer
Logbook