

**Large-Mesh Bottom Trawl Survey of Crab and
Groundfish: Kodiak, Chignik, South Peninsula, and
Eastern Aleutian Management Districts, 2024**

by

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and

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Alaska Department of Fish and Game

Divisions of Sport Fish and Commercial Fisheries



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

FISHERY MANAGEMENT REPORT NO. 25-16

**LARGE-MESH BOTTOM TRAWL SURVEY OF CRAB AND
GROUND FISH: KODIAK, CHIGNIK, SOUTH PENINSULA, AND
EASTERN ALEUTIAN MANAGEMENT DISTRICTS, 2024**

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

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ABSTRACT

This report summarizes results from the large-mesh bottom trawl survey that took place June through September 2024 to assess crab and groundfish resources in the Kodiak, Chignik, South Peninsula, and Eastern Aleutian Tanner crab *Chionoecetes bairdi* management districts. A total of 371 trawl hauls were completed to assess relative abundance and condition of commercially important crabs, as well as spatial distribution, species composition, size frequency, and catch per unit effort of commercially important groundfish. Survey estimates indicated that mature and legal male Tanner crab abundances were sufficient to support commercial fisheries in 2 sections of the Kodiak District and 1 section of the South Peninsula District. Red king crab *Paralithodes camtschaticus* abundance estimates in each of the surveyed management areas remain too low to consider opening a red king crab commercial fishery. Arrowtooth flounder *Atheresthes stomias*, flathead sole *Hippoglossoides elassodon*, walleye pollock *Gadus chalcogrammus*, and yellowfin sole *Limanda aspera* were the dominant groundfish captured during the survey.

Keywords: crab, groundfish, *Chionoecetes bairdi*, *Paralithodes camtschaticus*, trawl survey, Kodiak, South Peninsula, Chignik, Eastern Aleutian, *Hippoglossoides elassodon*, *Atheresthes stomias*, *Limanda aspera*, *Gadus chalcogrammus*

INTRODUCTION

The Alaska Department of Fish and Game (ADF&G) conducted a large-mesh bottom trawl survey during 2024 around Kodiak Island, along the Alaska Peninsula from Cape Douglas to False Pass, and in the Eastern Aleutian Islands from Akutan to Unalaska Island (Figure 1). The survey area corresponds to the Kodiak, Chignik, South Peninsula, and Eastern Aleutian Districts of Registration Area J (Westward) for Tanner crab *Chionoecetes bairdi* (5 AAC 35.505¹(a)(b)(c) and (f)); the Kodiak and Alaska Peninsula king crab registration areas, and the Dutch Harbor District of the Aleutian Islands king crab Registration Area (5 AAC 34.400², and 34.500³, and 34.604⁴(1)); the Kodiak, Alaska Peninsula, and Dutch Harbor scallop registration areas (5 AAC 38.076⁵(b)(5)(6) and (7)); and the Kodiak, Chignik, and South Alaska Peninsula groundfish registration areas, and Aleutian Islands District of the Bering Sea–Aleutian Islands (BSAI) groundfish Registration Area (5 AAC 28.400⁶, 28.500⁷, 28.550⁸, and 28.605⁹(a); Figure 2). Tanner crab management units are districts; king crab, weathervane scallops *Patinopecten caurinus*, and groundfish management units are areas. This report summarizes survey data by district or area.

ADF&G began conducting trawl surveys focused on red king crab *Paralithodes camtschaticus* around Kodiak Island in 1963. Early trawl surveys were limited to localized areas known to have concentrations of red king crab (Figure 3; Reynolds and Powell 1964; McMullen 1967a, 1967b, 1968; Kingsbury and James 1971). Beginning in 1980, bottom trawl surveys to assess Tanner crab were initiated in the North Shelikof Strait of the Kodiak District (Colgate and Hicks 1982). However, these surveys were not used as the primary crab stock assessment tool. Rather, ADF&G conducted pot surveys from 1973 to 1986 as the primary method to determine crab stock abundance. Pot surveys targeted red king crab; Tanner crab were assessed as a secondary species (Colgate and Hicks 1983). From 1981 through 1986, trawl survey development was focused on

¹ Alaska Administrative Code: *Description of [Tanner crab] Registration Area J Districts [Westward]*

² Alaska Administrative Code: *Description of [king crab] Registration Area K [Kodiak]*

³ Alaska Administrative Code: *Description of [king crab] Registration Area M [Alaska Peninsula]*

⁴ Alaska Administrative Code: *Description of red king crab [Registration Area O (Aleutian Islands)] Districts*

⁵ Alaska Administrative Code: *Alaska Scallop Fishery Management Plan*

⁶ Alaska Administrative Code: *Description of Kodiak Area [for groundfish]*

⁷ Alaska Administrative Code: *Description of Chignik Area [for groundfish]*

⁸ Alaska Administrative Code: *Description of South Alaska Peninsula Area [for groundfish]*

⁹ Alaska Administrative Code: *Description of Bering Sea–Aleutian Islands Area Districts [for groundfish]*

Tanner crab assessment and expansion to more locations in the Kodiak, Chignik, and South Peninsula Districts (Colgate and Hicks 1983; Colgate 1984). The first comprehensive large-mesh trawl survey of the Kodiak District occurred in 1987 (Jackson 1990). In 1988, following the collapse of the red king crab stocks, large-mesh trawl surveys replaced pot surveys as the standard Tanner crab stock assessment tool in the Kodiak, Chignik, and South Peninsula Districts (Urban and Vining 1999; Spalinger and Knutson 2022a). The Eastern Aleutian District large-mesh bottom trawl survey was added to the regionwide survey program in 1990 and generally continued triennially until 2003. Beginning in 2004, selected locations of the Eastern Aleutian District have been surveyed annually, with the exception of 2020 due to scheduling changes associated with the COVID-19 pandemic. Since 1988, between 287 and 410 successful hauls have been completed annually in the Kodiak, Chignik, South Peninsula, and Eastern Aleutian Districts (Table 1).

Annual trawl survey results have been used since 1999 to determine if Tanner crab abundance is above regulatory thresholds allowing for commercial fisheries (5 AAC 35.507¹⁰; Table 2; Urban et al. 1999; Spalinger et al. 2021). When survey results indicate that abundance thresholds are met, Tanner crab guideline harvest levels (GHLs) are primarily determined by estimating the number of legal male crab (Appendix A1) as determined by the trawl survey in a district or section and applying a harvest rate based on the estimated abundance of mature male and female crabs compared to the long-term average abundance. Details on the Tanner crab harvest strategy, survey results directly affecting Tanner crab fisheries management, and recent fishery information are published annually by ADF&G (Whiteside and Looman 2023).

Primary objectives of the 2024 crab and groundfish large-mesh bottom trawl survey were to (1) estimate the relative abundance and condition of Tanner and red king crabs; and (2) determine spatial distribution, species composition, length frequency, and catch per unit effort (CPUE) of commercially important groundfish species.

Secondary objectives of the survey were to (1) determine size–frequency of weathervane scallops; (2) determine sex composition of skates (*Raja*, *Beringraja*, and *Bathyrja*); and (3) measure chela height of male Tanner crab in the Kodiak and South Peninsula Districts (Knutson and Spalinger 2021; Silva 2024).

METHODS

SURVEY DESIGN

The 2024 large-mesh bottom trawl survey was conducted in areas of historical and current Tanner crab abundance using a fixed-grid station design. This grid was developed in 1988 to spread sampling effort across areas known to support Tanner crab fisheries based on historical fishing location data. Stations were standardized and stratified in 2021 to update historical abundances of Tanner crab for use by fishery managers (Spalinger and Knutson 2022a). Survey station area totals approximately 15,500 km² at depths greater than 20 fathoms. Station size variation results from irregular coastline topography and bathymetry. Offshore stations average approximately 74.4 km² each, and inshore stations average approximately 21.7 km² each (Appendix B2; Knutson and Spalinger 2021). In 2024, 371 successful bottom trawl hauls were conducted in 371 stations (Figure 1, Appendix C).

¹⁰ Alaska Administrative Code: Kodiak, Chignik, and South Peninsula Districts *C. bairdi* Tanner crab harvest strategies

Survey timing is generally consistent each year. The Northeast, Eastside, Southeast, and Southwest Sections of the Kodiak District are typically surveyed in June and July; Chignik, South Peninsula, and Eastern Aleutian Districts are usually surveyed in July and August; and Westside and North Mainland Sections of the Kodiak District are generally surveyed in September.

VESSEL AND FISHING GEAR

The R/V *Resolution* (28.9 m) has been used to conduct the large-mesh bottom trawl survey since 1988. The R/V *Resolution* is a house-forward stern trawler equipped with an aft net reel, telescoping deck crane, and paired hydraulic trawl winches.

The trawl survey net is a 400-mesh eastern otter trawl designed to sweep a 12.2 m path. The net mouth is constructed with 10.2 cm stretch mesh, the net body with 8.9 cm stretch mesh, and the codend with a 3.2 cm stretch mesh liner. The net has a 21.3 m headrope with 18 floats, each 20.3 cm in diameter. The footrope is 29.0 m long with a 1.0 cm diameter chain attached every 25.4 cm to ensure the footrope contacts bottom. The dandyline is 45.7 m long, each consisting of a 1.5 cm diameter cable that is 18.3 m long and a pair of 1.3 cm diameter cables that are each 27.4 m long: one attached to the top and the other to the bottom of each net wing (Knutson and Spalinger 2021). Astoria “V” type doors weighing 340 kg and measuring 1.5 m × 2.1 m are used to spread the net.

Within each station, the trawl net was towed on bottom at an average speed of 4.85 km/h for a target distance of 1.85 km (1 nmi). Haul distance was determined by Global Positioning System (GPS) as the distance traveled by the vessel from when the footrope contacted bottom until the footrope left bottom. The vessel captain estimated corrections in distance for hauls that were not straight or when irregular bottom type, net hangups, or exceptionally large catches caused haul distance to differ from 1.85 km. Haul locations were limited to trawlable substrate as determined from nautical charts and bottom mapping systems on the vessel. All hauls were made during daylight hours. Haul location, distance, time, and depth were recorded directly into the onboard survey database by the skipper as hauls were conducted. Quality of net performance was rated, and a haul was discarded and repeated when the skipper and cruise leader determined the net did not adequately sample the bottom (Knutson and Spalinger 2021). A temperature-depth data logger was attached to the net’s headrope and was approximately 2 m above the sea floor when fishing. Water temperature and depth were recorded in 1-minute intervals for each haul. Only temperatures recorded when the footrope was on bottom were used to determine average water temperature during the haul. In 2024, the temperature logger malfunctioned during the first half of the survey and temperatures are not available from hauls 1–151.

CATCH SAMPLING PROCEDURES

Total catch weight from each haul was determined by weighing the full trawl codend with an electronic crane scale (MSI 9300, Measurement Systems International; ±1.0 kg), emptying the codend into on-deck sorting bins, and subtracting the empty codend weight from the full codend weight. Prior to emptying the trawl catch from the codend, a 1.5 m² subsampling net was tied into the on-deck sorting bin. After emptying the entire catch into the on-deck sorting bin, species selected for sampling from the entire haul (whole-haul) were weighed using a motion-compensated electronic scale (Marel 1500; ±0.01 kg), counted, and measured (±1.0 cm) when applicable. The following species were whole-haul sampled: sablefish *Anoplopoma fimbria*, Pacific cod *Gadus macrocephalus*, walleye pollock *Gadus chalcogrammus*, Pacific halibut *Hippoglossus stenolepis*,

all rockfish *Sebastes* and *Sebastolobus*, lingcod *Ophiodon elongatus*, Atka mackerel *Pleurogrammus monopterygius*, giant octopus *Enteroctopus dofleini*, squid *Berryteuthis magister*, Pacific herring *Clupea pallasii*, salmon *Oncorhynchus*, weathervane scallop, red sea cucumber *Parastichopus californicus*, Bering skate *Bathyraja interrupta*, Aleutian skate *B. aleutica*, Alaska skate *B. parmifera*, longnose skate *Raja rhina*, big skate *Beringraja binoculara*, Dungeness crab *Metacarcinus magister*, Tanner crab, red king crab, snow crab *Chionoecetes opilio*, hair crab *Erimacrus isenbeckii*, box crab *Lopholithodes foraminatus*, spiny dogfish *Squalus acanthius*, Pacific sleeper shark *Somniosus pacificus*, salmon shark *Lamna ditropis*, wolf eel *Anarrichthys ocellatus*, and giant wrymouth *Cryptacanthodes giganteus* (Knutson and Spalinger 2021). As whole-haul species were removed from the on-deck sorting bin for sampling, the subsampling net was lifted by crane through the remaining catch and the resulting subsample was placed on the sorting table for species composition sampling. All species on the sorting table were identified and weighed. Data recorded for subsampled organisms were used post-survey to expand results to the entire haul's catch. Human-made products, kelp, empty shells, regurgitated fish, rocks, etc. in the subsample were classified as “debris” and weighed.

Length or width measurements were taken from selected shellfish species. Crabs were categorized by sex and shell condition, and measurements were electronically recorded using digital calipers linked to a shellfish measurement database. Tanner crab carapace width (CW) was measured perpendicular to the carapace midline, between the lateral margin spines; however, legal status (above or below minimum size requirement to retain in a fishery) was determined by including lateral margin spines. King crab were measured for carapace length (CL) from the right eye socket to the medial-posterior edge of the carapace, whereas legal status was determined by measuring perpendicular to the carapace midline including lateral margin spines. An explanation of the terms used to characterize Tanner and king crabs are presented in Appendix A. Dungeness crab were measured for CW and checked for legal status across the carapace immediately anterior to the 10th anterolateral spine (Knutson and Spalinger 2021).

Tanner, king, and Dungeness crabs were subsampled when each species/sex exceeded 200 individuals per haul. Clutch fullness of mature female Tanner, king, and Dungeness crabs was estimated by examining the egg clutch and assigning a fractional clutch size relative to the size of the abdominal flap (Knutson and Spalinger 2021). Embryo development stage was noted by the presence or absence of eyed eggs. External signs of bitter crab disease, black mat, nemertean worms, and parasitic barnacles were recorded for all measured crabs. When available, shell height measurements for 20 weathervane scallops per haul were collected (Knutson and Spalinger 2021).

Length measurements were taken from selected finfish species. Target sample size was 30 to 50 measurements per species per haul. Measurements were entered directly into a fish measurement database using a magnetic fish measuring board. Commercial finfish species were measured from snout to midpoint of the caudal fin. Sharks were measured from snout to tip of caudal fin. Skates were measured along the dorsal surface from the snout to the anterior notch of the pectoral fin. All sharks and skates were measured and sex determined by the presence or absence of claspers (Knutson and Spalinger 2021).

CPUE AND ABUNDANCE INDICES

A commonly used measure in this report is catch per unit effort (CPUE, U), determined as

$$U_i = \frac{c_i}{d_i} \quad (1)$$

where c_i is the catch of animals (in units of number or weight) and d_i is the distance towed during a haul at station i .

Abundance Indices

Tanner crab abundance ($\hat{N}_T$) is the sum of stratum abundances ($\hat{N}_{T,h}$), which are estimated as

$$\hat{N}_{T,h} = \frac{\bar{U}_h}{x} \sum_{i=1}^n A_{i,h} \quad (2)$$

$$\bar{U}_h = \frac{\sum_{i=1}^m U_{i,h} A_{i,h}}{\sum_{i=1}^m A_{i,h}} \quad (3)$$

where $\bar{U}_h$ is the unbiased estimator of section/stratum CPUE weighted by station area, x is the assumed net width of 12.2 m (0.006587473 nmi), and $A_{i,h}$ is area (nmi²) for station i of m stations sampled within stratum h .

Here, $\bar{U}_h$ is estimated using only stations that were towed within the given survey year, so that $m \leq n$ (i.e., the total number of stations within a stratum), but is then scaled to abundance using the summed area of all stations within the stratum (Equation 2).

King crab abundance ($\hat{N}_K$) is estimated as

$$\hat{N}_k = \sum_{i=1}^n \frac{U_i}{x} A_i \quad (4)$$

where U is CPUE expressed as crab per nautical mile, x is the assumed net width of 12.2 m (0.006587473 nmi), and A is area (nmi²) for station i of n .

Here, $\hat{N}_k$ is estimated using all stations that were towed within the given survey year.

RESULTS AND DISCUSSION

Detailed haul data are in Appendix B1 and include date, station, start position, heading, average depth, distance fished, and bottom temperature.

KODIAK

In the Northeast, Eastside, Southeast, and Southwest Sections of the Kodiak Tanner crab District, 150 hauls were successfully completed between June 12 and July 12 (haul numbers 1–151). One haul was unsuccessful. In the Westside and North Mainland Sections, 61 hauls were successfully completed between September 4 and September 13 (haul numbers 312–373). One haul was unsuccessful, and this station was not sampled. Haul locations are shown in Appendices C1–C7. The total area of the surveyed sections used to determine abundance estimates for the district in 2024 was 8,369.0 km² (Appendix B2).

Throughout the Kodiak District, 141 species were identified and weighed. A total of 27,284 size measurements were collected from 4 invertebrate species, and 25,866 length measurements were collected from 40 fish species.

Catch Composition

The CPUE of all species from Kodiak sample hauls was 581 kg per km towed. Arrowtooth flounder *Atheresthes stomias* was the dominant species caught by weight (28.5%), followed by flathead sole *Hippoglossoides elassodon* (16.9%), walleye pollock (9.0%), sunflower seastar *Pycnopodia helianthoides* (4.5%), and Tanner crab (3.9%; Table 3). Arrowtooth flounder, flathead sole, walleye pollock, and Tanner crab were the 4 most abundant species captured by weight in previous years (Spalinger and Knutson 2020, 2021, 2022b; Spalinger and Silva 2023, 2024; Figure 4).

Tanner Crab

The 2024 Kodiak District survey captured 20,999 male Tanner crab and 17,075 female Tanner crab. Tanner crab were caught in 95% of all hauls, with catches ranging from 0 to 1,333 crab per km towed, with the highest CPUE at station UYEX in Uyak Bay within the Westside Section (Figure 5). Total Tanner crab CPUE was 99 crab per km towed.

Tanner crab abundance estimates were determined for each station and management section (Appendix D1). The total 2024 Kodiak District Tanner crab abundance was estimated at 60.8 million crab, a decrease from 121.8 million crab estimated in 2023. Abundance estimates for mature males continued to decline from a high estimate in 2022, whereas mature female abundance estimates remained similar to 2023. Increases in abundance were only observed among males 70–91 mm CW and 92–114 mm CW (Table 4).

The 2024 estimated abundance of legal-sized male Tanner crab was 3.0 million crab, a decrease from 7.1 million in 2023. (Table 4). In 2024, the abundance estimate of 1.3 million legal-sized male crab in the Eastside Section was the largest in the district, whereas the Northeast and Westside Sections had the smallest estimated abundance of legal males (35,132 and 32,282 respectively).

Estimated mature male Tanner crab abundance in the Eastside and Southeast Sections met minimum regulatory thresholds for consideration of a commercial fishery in 2025; regulatory harvest level requirements were also met, and the fisheries were opened for the 2025 season. Mature male and female Tanner crab abundance estimates for the Northeast, Southwest, Westside, and North Mainland Sections were below levels needed for commercial seasons (Table 2).

Male Tanner crab had a mean size of 86.2 mm CW and females had a mean size of 67.0 mm CW. A large proportion of male and female crab were between 40 mm CW and 70 mm CW, with a second group of males between 120 mm CW and 160 mm CW and a second group of females between 70 mm CW and 90 mm CW (Figures 6 and 7). The percentage of male crab captured that were considered mature was 29.8%, a slight increase from 26.6% in 2023 (Table 5). In the Northeast, Southeast, Southwest, Westside, and North Mainland Sections, the majority of male crab were less than 100 mm CW (Figures 8 and 9). Over 50% of male crab in the Eastside Section were greater than 100 mm CW. Soft/new pliable shell and new shell crab composed 70.0% (14,689 crab) of the total male Tanner crab captured in the Kodiak District, a decrease from 78.5% (34,226) in 2023 (Table 5; Spalinger and Silva 2024).

Mature female Tanner crab had a mean size of 85.8 mm CW. A total of 3,686 mature female crab were measured and clutch information was determined. Multiparous crab with clutches accounted for 59.0% (2,175 crab) of mature females, lower than 88.0% in 2023 (Spalinger and Silva 2024). A total of 309 mature females examined did not produce an egg clutch and 45.8% (1,690 crab) of mature females had an egg clutch greater than half full (Figure 10). This was less than 2023 when

75.0% of mature females sampled had egg clutches that were more than half full (Spalinger and Silva 2024). Average percent clutch fullness, estimated by converting the mean fractional clutch size to a percent, decreased to 62.8% in 2024 from 74.8% (Figure 11).

Red King Crab

Red king crab were caught in 6.6% of Kodiak Area hauls totaling 261 males and 13 females. King crab catch ranged from 0 to 213 crab per haul, with 98.2% of king crab caught inside Alitak Bay (Figure 12).

Red king crab abundance estimates were derived for 4 districts of the Kodiak Registration Area by size and sex categories (Table 6). The 2024 Kodiak red king crab abundance was estimated at 110,541 crab, which was greater than the estimated 60,810 crab in 2023. Increases were observed among all groups of mature males (Table 6). The total estimated abundance of legal males increased from 28,672 crab in 2023 to 80,886 in 2024 and represented 76.7% of the total male abundance. Female abundance declined to 5,088 crab, the lowest level in the survey timeseries.

Mean king crab size was 158.9 mm CL for males and 135.4 mm CL for females (Figures 13 and 14). More than 90% of male and female king crab were mature (Table 6). During the 2024 Kodiak Area survey, 50.0% (5) of all mature females examined had an egg clutch that was more than half full (Figure 15), lower than 2023 (69.2%; Spalinger and Silva 2024).

CHIGNIK

In the Chignik Tanner crab District, 46 hauls were successfully completed from July 22 through July 28 (haul numbers 152–197; Appendices C8–C9). The total area used to determine abundance estimates for the district in 2024 was 1,374.7 km² (Appendix B2).

Throughout the Chignik District, 94 species were identified and weighed. A total of 9,643 size measurements were collected from 4 invertebrate species and 4,723 length measurements were collected from 26 fish species.

Catch Composition

The CPUE of all species from Chignik sample hauls was 329 kg per km towed. Arrowtooth flounder (32.5%), flathead sole (19.5%), and walleye pollock (15.5%) were the dominant species caught by weight, followed by Tanner crab (5.5%) and big skate (4.6%; Table 7). With the exception of big skate in 2020, these species have been among the top 10 species in recent surveys (Figure 4; Spalinger and Knutson 2020, 2021, 2022b; Spalinger and Silva 2023, 2024).

Tanner Crab

The 2024 Chignik District bottom trawl survey captured 8,078 male Tanner crab and 6,656 female Tanner crab. Tanner crab were caught in 98% of all hauls with catches ranging from 0 to 1,563 crab per km towed. Station 4265 in Castle Bay had the highest CPUE of Tanner crab (Figure 16). Total Tanner crab CPUE was 175 crab per km towed.

Abundance estimates for Tanner crab were determined by surveyed locale (Appendix D2). The total 2024 Chignik District Tanner crab abundance estimate more than doubled to 14.5 million crab from 6.3 million crab in 2023 (Table 8). The largest increases were seen in juvenile females and males <70 mm CW. The estimated abundance of legal-sized male Tanner crab in 2024 decreased to 0.2 million crab from 0.3 million crab in 2023 (Table 8, Figure 17). Estimated mature

male abundance remained similar to 2023 and was below the threshold needed for consideration of a commercial fishery in 2025 (Table 2).

Chignik District Tanner crab had a mean size of 55.6 mm CW for males and 50.7 mm CW for females. A large proportion of male and female crab were between 20 mm CW and 50 mm CW. Another, less abundant, group of female crab were between 75 mm CW and 105 mm CW (Figure 6). Juvenile males with soft/new pliable or new shell conditions accounted for 89.6% (7,017 crab) of all male Tanner crab captured in the district (Table 5) compared to 67.9% in 2023 (Spalinger and Silva 2024). The percentage of mature males caught decreased from 29.7% in 2023 to 12.2% of males caught in 2024. Chignik Bay had the highest number of new shell male crab in the district, which were predominantly less than 70 mm CW (Figures 18 and 19).

Mature female Tanner crab had a mean size of 93.4 mm CW. A total of 740 mature females were measured and clutch information recorded. Multiparous females with clutches accounted for 83.9% (621 crab) of mature female Tanner crab examined in 2024 similar to 85.1% in 2023 (Spalinger and Silva 2024). Egg clutches that were more than half full were found in 69.9% (517 crab) of mature females examined (Figure 20). Average percent clutch fullness in 2024 (74.8%) decreased slightly from 2023 (79.4%; Figure 21).

SOUTH PENINSULA

In the South Peninsula Tanner crab District, 89 hauls were successfully completed from July 28 through August 21 (haul numbers 198–252 and 278–311; Appendices C9–C12). Four standard stations were not sampled. The total area used to determine abundance estimates for the district in 2024 was 2,929.4 km² (Appendix B2).

Throughout the South Peninsula District, 92 species were identified and weighed. A total of 10,819 size measurements were collected from 4 invertebrate species and 10,139 length measurements were collected from 30 fish species.

Catch Composition

The CPUE of all species from South Peninsula sample hauls was 705 kg per km towed. Flathead sole (25.0%), arrowtooth flounder (19.2%), walleye pollock (13.5%), and yellowfin sole *Limanda aspera* (13.3%) were the dominant species caught by weight, followed by starry flounder *Platichthys stellatus* (4.1%) and Tanner crab (3.5%; Table 9). These species have been among the top 10 species in recent surveys (Spalinger and Knutson 2020, 2021, 2022b; Spalinger and Silva 2023, 2024; Figure 4).

Tanner Crab

The 2024 South Peninsula District survey caught 7,260 male Tanner crab and 3,614 female Tanner crab. Tanner crab were caught in 98% of all hauls, with catches ranging from 0 to 345 crab per km towed, with the highest CPUE at station 311C in Unga Strait, within the Eastern Section (Figure 16). Total Tanner crab CPUE was 67 crab per km towed.

Tanner crab abundance estimates were determined by surveyed locale and management section (Appendix D3). The total 2024 Tanner crab abundance in the surveyed portion of the South Peninsula District was estimated at 12.8 million crab, a decrease from 17.4 million crab in 2023. (Table 10). In 2024, the largest decreases in Tanner crab abundance were observed among juvenile female crab and males <70 mm CW, and among mature female crab and sublegal males >114 mm CW. Increases in abundance were only seen in postrecruit males (Table 10). Estimated abundance

of legal-sized males was 2.1 million crab, similar to 2023 (Figure 22). Estimated mature male abundance was above the threshold needed for consideration of a commercial fishery in the Eastern Section in 2025 (Table 2); the regulatory harvest level requirement was also met, so the fishery was opened for the 2025 season. Abundance estimates of legal-sized crab in the Western Section were below levels needed to consider opening a commercial fishery in 2025.

Male Tanner crab in the South Peninsula District had a mean size of 101.3 mm CW and females had a mean size of 67.1 mm CW. Female crab were mostly composed of 2 size groups: one between 30 mm CW and 50 mm CW and the other between 80 mm CW and 110 mm CW. Male crab were also composed of 2 main size groups. One group, similar to females, was between 30 mm CW and 50 mm CW, and the second group was between 120 mm CW and 160 mm CW (Figure 6). Soft/new pliable shell and new shell crab composed 59.5% (4,320 crab) of the total male Tanner crab captured in the district, similar to 57.4% in 2023. Mature male crab were composed of 73.8% (2,607 crab) old shell and very old/very very old shell crab in 2024, an increase from 65.5% in 2023 (Table 5; Spalinger and Silva 2024). The highest proportion of old shell and very old/very very old shell crab was found in Morzhovoi Bay (Figures 23 and 24).

Mature female Tanner crab had a mean size of 92.9 mm CW. A total of 1,447 mature female Tanner crab were measured and clutch information determined. Multiparous females in the South Peninsula District accounted for 85.7% (1,240 crab) of mature female Tanner crab examined in 2024, similar to 84.8% in 2023 (Spalinger and Silva 2024). Egg clutches that were more than half full were found in 79.3% (1,147 crab) of mature female Tanner crab examined (Figure 25). Average percent clutch fullness in 2024 (78.4%) was similar to 2023 (79.8%; Figure 26).

Red King Crab

The Alaska Peninsula king crab management area consists of waters west of Cape Kumlik and east of Scotch Cap Light, approximately corresponding to the South Peninsula and Chignik Tanner crab management district boundaries (Figure 2). The 2024 abundance estimate was 125,528 crab, similar to 128,475 crab estimated in 2023 (Table 6). A total of 84 male and 59 female red king crab were captured in the Alaska Peninsula Area, most of which were from Pavlof Bay (93.0%; Figure 12). Male king crab mean CL was 160.1 mm and female red king crab mean CL was 115.9 mm. Of the 59 female king crab caught, 56 were mature (94.9%). Over 90.0% of red king crab captured in the last 5 years were from Pavlof Bay. However, the sporadic catches of king crab in the sampling areas may not accurately reflect changing abundance.

EASTERN ALEUTIAN

In the Eastern Aleutian Tanner crab District, 25 hauls were successfully completed from August 9 through August 13 (haul numbers 253–277; Appendices C13–C14). One standard station was not sampled. The total area used to determine abundance estimates for the district in 2024 was 545.1 km² (Appendix B2).

Throughout the Eastern Aleutian District, 87 species were identified and weighed. A total of 2,979 size measurements were collected from 2 invertebrate species and 2,919 length measurements were collected from 26 fish species.

Catch Composition

The CPUE of all species from Eastern Aleutian sample hauls was 469 kg per km towed. Arrowtooth flounder was the dominant species by weight (32.2%), followed by walleye pollock

(19.9%), flathead sole (14.5%), Tanner crab (6.4%), and rex sole *Glyptocephalus zachirus* (4.5%; Table 11). These species have been among the top 10 species in recent surveys (Figure 4; Spalinger and Knutson 2020, 2022b; Spalinger and Silva 2023, 2024).

Tanner Crab

The 2024 Eastern Aleutian survey caught 3,005 male Tanner crab and 2,993 female Tanner crab. Tanner crab were caught in 96% of hauls, with catches ranging from 0 to 948 crab per km towed, with the highest CPUE at station AKD in Akutan Bay (Figure 27). Total Tanner crab CPUE was 149 crab per km towed.

Tanner crab abundance estimates were determined by surveyed locale and management section (Appendix D4). The total 2024 Tanner crab abundance in the surveyed portion of the Eastern Aleutian District was estimated at 5.7 million crab, an increase from 2.1 million crab in 2023. In 2024, the largest increases in Tanner crab abundance were observed among mature females and sublegal males 92–114 mm CW. Small decreases were observed in juvenile females and newly recruited legal males (Table 12). Estimated abundance of legal-sized male Tanner crab increased to 0.04 million crab in 2024 from 0.03 million crab in 2023. The abundance estimates of legal-sized male Tanner crab in the Akutan, Unalaska/Kalekta, and Makushin/Skan Sections were below levels required to open a commercial season in 2025 (Table 2).

Male Tanner crab in the Eastern Aleutian District had a mean size of 89.9 mm CW and females had a mean size of 71.6 mm CW. A large proportion of female crab were between 65 mm CW and 90 mm CW. Male crab were more evenly distributed in size, with one group between 90 mm CW and 130 mm CW and a second, smaller group, between 62 mm CW and 90 mm CW (Figure 6). Soft/new pliable shell and new shell crab composed 61.2% (1,837 crab) of the total male Tanner crab captured in the District and only 23.4% of male crab captured were mature (704 crab; Table 5).

Mature female Tanner crab had a mean size of 78.5 mm CW. A total of 817 mature female Tanner crab were measured and clutch information determined. Multiparous females with clutches in the Eastern Aleutian District accounted for 74.7% (610 crab) of mature female Tanner crab examined in 2024, compared to 61.7% in 2023 (Spalinger and Silva 2024). Egg clutches that were more than half full were found in 74.4% (608 crab) of mature female Tanner crab examined (Figure 28). Average percent clutch fullness in 2024 (77.5%) increased from 2023 (70.6%; Figure 29).

Red King Crab

Red king crab abundance in the surveyed areas around Unalaska Island remains at historically low levels. There were no red king crab captured during the 2024 trawl survey in the Aleutian Islands.

WEATHERVANE SCALLOPS

Weathervane scallops accounted for 0.4% of total animal weight from all areas surveyed in 2024. Total CPUE was 2.2 kg per km towed, which is lower than the 1988–2023 CPUE of 2.9 kg per km towed (Figure 30). The highest catch of 40.2 kg per km towed was at station 682B on Alitak Flats, and overall, the Kodiak Area had the highest total weathervane scallop CPUE at 3.3 kg per km towed. Ninety percent of all weathervane scallops caught were located in the Kodiak Area (Figure 31).

A total of 5,847 scallops were caught in 2024 and averaged 134.4 mm in shell height (Figure 32). This was smaller than the 2023 average height of 136.0 mm, and smaller than the 2004–2023 average height of 145.6 mm (Figure 33).

ARROWTOOTH FLOUNDER

Arrowtooth flounder accounted for 26.2% of total animal weight from all areas surveyed in 2024. Total CPUE was 150.3 kg per km towed, which is below the 1988–2023 CPUE of 160.3 kg per km towed (Figure 34). The highest catch of 3,081.3 kg per km towed was at station 301 outside of Nagai Strait in the South Peninsula Area, but overall, the Kodiak Area had the highest total CPUE at 165.5 kg per km towed (Figure 35).

A total of 126,018 arrowtooth flounder were caught in 2024 and averaged 40.9 cm in length (Figure 36). This was slightly smaller than the 2023 average length of 41.3 cm, and larger than the 2004–2023 average length of 37.3 cm (Figure 37).

FLATHEAD SOLE

Of all species captured in 2024, flathead sole accounted for 19.4% of animal weight. Total CPUE was 111.2 kg per km towed, which is below the 1988–2023 CPUE of 130.3 kg per km towed (Figure 38). The highest catch of 875.5 kg per km was at station THL in South Sitkalidak Strait in the Kodiak Area, but overall, the South Peninsula Area had the highest total CPUE at 176.2 kg per km towed (Figure 39).

A total of 273,367 flathead sole were caught in 2024 and averaged 28.8 cm in length (Figure 40), which was similar to the 2023 average length of 29.0 cm, and smaller than the 2004–2023 average length of 29.4 cm (Figure 41).

WALLEYE POLLOCK

Walleye pollock accounted for 11.4% of total animal weight from all areas surveyed in 2024. Total CPUE was 65.2 kg per km towed, which is below the 1988–2023 CPUE of 100.9 kg per km towed (Figure 42). The highest catch of 1,308.4 kg per km towed was at station UNC in Unalaska Bay in the Aleutian Islands District of the Bering Sea/Aleutian Islands Area, but overall, the South Peninsula Area had the highest total CPUE at 95.2 kg per km towed (Figure 43).

A total of 49,017 walleye pollock were caught in 2024, averaging 47.0 cm in length (Figure 44). This was larger than the 2023 average length of 46.5 cm, but smaller than the 2004–2023 average length of 48.9 cm (Figure 45).

PACIFIC HALIBUT

Pacific halibut accounted for 2.0% of total animal weight from all areas surveyed in 2024. Total CPUE was 11.6 kg per km towed, which is lower than the 1988–2023 CPUE of 20.0 kg per km towed and one of the lowest in the survey timeseries (Figure 46). The highest catch of 196.0 kg per km towed was at station 684C on Alitak Flats, and overall, the Kodiak Area had the highest total CPUE of 13.3 kg per km towed (Figure 47).

A total of 1,879 Pacific halibut were caught in 2024. They averaged 66.9 cm in length (Figure 48), which was larger than the 2023 average length of 65.0 cm, and smaller than the 2004–2023 average length of 68.4 cm (Figure 49).

PACIFIC COD

Pacific cod accounted for 2.7% of total animal weight from all areas surveyed in 2024. Total CPUE was 15.6 kg per km towed, which is below the 1988–2023 CPUE of 21.1 kg per km towed but a continued increase from the timeseries low in 2021 (Figure 50). The highest catch of 570.1 kg per km towed was at station 61 in Shelikof Strait in the Kodiak District, but overall, the South Peninsula Area had the highest total Pacific cod CPUE of 19.0 kg per km towed (Figure 51).

A total of 4,671 Pacific cod were caught in 2024. They averaged 56.5 cm in length (Figure 52), which was larger than the 2023 average length of 55.1 cm, and larger than the 2004–2023 average length of 54.4 cm (Figure 53).

YELLOWFIN SOLE

Yellowfin sole accounted for 6.0% of total animal weight from all areas surveyed in 2024. Total CPUE was 34.3 kg per km towed, which is below the 1988–2023 CPUE of 43.6 kg per km towed (Figure 54). The highest catch of 936.6 kg per km towed was at station PALX in Pavlof Bay, and the South Alaska Peninsula Area had the highest total yellowfin sole CPUE at 93.7 kg per km towed (Figure 55).

A total of 59,307 yellowfin sole were caught in 2024, averaging 30.5 cm in length (Figure 56). This was similar to the 2023 average length of 30.2 cm, and smaller than the 2004–2023 average length of 31.4 cm (Figure 57).

SABLEFISH

Sablefish accounted for 0.4% of total animal weight from all areas surveyed in 2024. Total CPUE was 2.5 kg per km towed, which is similar to the 1988–2023 CPUE of 2.2 kg per km towed (Figure 58). The highest catch of 125.8 kg per km towed was at station 560 in Barnabas Gully of the Kodiak Area, but overall, the Aleutian Islands District of the Bering Sea/Aleutians Islands Area had the highest total sablefish CPUE at 4.0 kg per km towed (Figure 59).

A total of 1,382 sablefish were caught in 2024. They averaged 48.2 cm in length (Figure 60), which was similar to the 2023 average length of 50.0 cm, and larger than the 2004–2023 average length of 44.9 cm (Figure 61).

SKATES

Skate species accounted for 5.0% of total animal weight from all areas surveyed in 2024. Total skate CPUE was 29.0 kg per km towed, which is above the 1988–2023 CPUE of 20.7 kg per km towed (Figure 62). The highest catch of a single skate species in 2024 was 280.6 kg per km towed of big skates at station UGC in Ugak Bay in the Kodiak Area. Overall, the Kodiak Area had the highest total big skate CPUE at 17.3 kg per km towed (Figure 63). The Kodiak Area also had the highest total CPUE of longnose skate (13.5 kg per km) and Bering skate (4.0 kg per km). The Aleutian Islands District of the Bering Sea/Aleutian Islands Area had the highest total CPUE of Aleutian skate (5.9 kg per km) and Alaska skate (0.9 kg per km; Figure 64).

Species, sex, and length were determined for each skate caught during the 2024 trawl survey. A total of 2,979 skates were captured and measured from all districts surveyed. Although big skates accounted for the largest proportion of skate weight (52.5%), Bering skates, which accounted for only 8.7% of total skate weight, were found in similar numbers (Table 13). Bering skates composed 30.2% of the total number of skates caught and averaged 31.4 cm from snout to anterior notch of

the pectoral fin (Figure 65). Big skates made up 30.0% of the total number of skates caught and averaged 57.1 cm in length. Longnose skates accounted for 29.8% of the number of skates caught and had an average length of 50.5 cm. Aleutian skates accounted for 8.8% of all skates caught and averaged 50.6 cm, and Alaska skates made up 1.2% and averaged 46.9 cm (Figure 65). Larger skate species—big, Aleutian, and longnose skates—were composed of mostly females (big skates: 78.1% female; Aleutian skates: 67.6% female; longnose skates: 51.5% female), whereas the smaller species (Bering and Alaska skates) were composed of 47.2% and 44.4% females, respectively (Table 13).

WATER TEMPERATURE

Near-bottom water temperatures (~2 m above sea floor) from individual hauls where water temperatures were recorded in 2024 ranged from 4.14°C (Kuiukta Bay, station 4048) to 10.21°C (Cold Bay, Station COC; Figure 66; Appendix B1). The bay with the lowest average temperature across all hauls was Kuiukta Bay (4.48°C), sampled in late July at an average depth of 89 m. The warmest bay, on average, was Cold Bay (9.85°C), sampled during mid-August at an average depth of 37 m (Figures 66 and 67). Average near-bottom water temperature across all sampled survey hauls was 6.17°C, which was slightly lower than the survey average of 6.24°C in 2023. Average survey temperatures since 1991 have ranged from a low of 5.26°C in 2007 to a high of 7.30°C in 2016 (Table 14).

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TABLES AND FIGURES

Table 1.—Number of large-mesh bottom trawl survey hauls used to determine king and Tanner crab abundance, by Tanner crab management district, 1988–2024.

Year	Kodiak	Chignik	South Peninsula	Eastern Aleutian	Total
1988	213	0	106	0	319
1989	215	34	108	0	357
1990	208	37	120	45	410
1991	223	32	115	37	407
1992	204	29	114	0	347
1993	223	35	111	0	369
1994	200	34	121	44	399
1995	218	31	0	38	287
1996	222	27	122	0	371
1997	218	34	115	0	367
1998	217	35	93	0	345
1999	230	36	93	39	398
2000	220	35	94	36	385
2001	222	36	94	0	352
2002	225	47	93	0	365
2003	211	45	93	39	388
2004	211	45	94	24	374
2005	217	46	92	23	378
2006	207	46	89	28	370
2007	211	45	92	23	371
2008	215	44	89	23	371
2009	215	46	93	28	382
2010	213	45	90	23	371
2011	207	46	91	23	367
2012	209	46	91	28	374
2013	208	45	93	23	369
2014	211	45	92	23	371
2015	211	46	90	26	373
2016	209	46	93	21	369
2017	204	45	93	21	363
2018	210	46	86	26	368
2019	210	44	93	20	367
2020	210	45	93	0	348
2021	183	45	84	25	337
2022	211	45	92	21	369
2023	190	44	75	13	322
2024	211	46	89	25	371

Note: All hauls occurring in Chignik and South Peninsula Tanner crab districts are within the Alaska Peninsula king crab Area.

Table 2.—Tanner crab mature male abundance threshold levels from regulatory harvest strategies, estimates of number of mature male crab by survey year from large-mesh bottom trawl surveys, 2020–2024.

	Fishery threshold (number of mature males >114 mm CW)	Survey estimated number of mature males (> 114 mm CW)				
		2020	2021	2022	2023	2024
Kodiak District						
Northeast Section	1,479,000	653,787	281,220	470,809	221,206	315,212
Eastside Section	2,588,000	7,266,442 ^a	22,477,378 ^a	26,061,483 ^a	10,935,435 ^a	4,856,979 ^a
Southeast Section	787,000	4,101,651 ^a	6,869,080 ^a	7,538,011 ^a	2,905,216 ^a	2,499,692 ^a
Southwest Section	558,000	1,382,473 ^a	4,355,728 ^a	5,089,468 ^a	1,081,635 ^a	892,494 ^{a,b}
Westside Section	507,000	474,665	227,951	344,327	101,697	189,971
North Mainland Section	648,000	353,236	no survey	664,886 ^{a,b}	897,265 ^{a,b}	339,354
Chignik District	966,000	2,316,843 ^a	5,026,553 ^a	3,247,452 ^a	907,997	953,600
South Peninsula District						
Eastern Section	883,000	1,837,154 ^a	4,634,673 ^a	3,548,906 ^a	2,551,322 ^a	2,601,125 ^a
Western Section	1,242,000	3,058,249 ^a	9,493,181 ^a	5,940,719 ^a	2,684,195 ^a	1,990,412 ^{a,b}
Eastern Aleutian District						
Akutan Section	134,000	no survey	27,404	45,796	no survey	496,171 ^{a,b}
Unalaska/Kalekta Bay Section	127,000	no survey	7,150	57,426	1,526	0
Makushin/Skan Bay Section	133,000	no survey	467,402 ^a	851,564 ^a	96,203	168,628 ^{a,b}

Note: CW = carapace width.

^a Above mature male harvest strategy threshold.

^b Did not meet minimum GHL requirements.

Table 3.—Predominant species by weight in the Kodiak Tanner crab District large-mesh bottom trawl survey, 2024.

Common name	Species name	% of catch by weight
Arrowtooth flounder	<i>Atheresthes stomias</i>	28.5
Flathead sole	<i>Hippoglossoides elassodon</i>	16.9
Walleye pollock	<i>Gadus chalcogrammus</i>	9.0
Sunflower seastar	<i>Pycnopodia helianthoides</i>	4.5
Tanner crab	<i>Chionoecetes bairdi</i>	3.9
English sole	<i>Parophrys vetulus</i>	3.5
Pacific ocean perch	<i>Sebastes alutus</i>	3.5
Yellowfin sole	<i>Limanda aspera</i>	3.0
Big skate	<i>Beringraja binocularata</i>	3.0
Pacific cod	<i>Gadus macrocephalus</i>	2.7
Longnose skate	<i>Raja rhina</i>	2.3
Pacific halibut	<i>Hippoglossus stenolepis</i>	2.3
Dover sole	<i>Microstomus pacificus</i>	1.9
Rex sole	<i>Glyptocephalus zachirus</i>	1.8
Starry flounder	<i>Platichthys stellatus</i>	1.6
Butter sole	<i>Isopsetta isolepis</i>	1.0
Bering skate	<i>Bathyraja interrupta</i>	0.7
Southern rock sole	<i>Lepidopsetta bilineata</i>	0.7
Anemone	Order: Actinaria	0.7
Northern rock sole	<i>Lepidopsetta polyxystra</i>	0.6
All others	(121 species)	7.9
Total		100.0

Table 4.—Tanner crab abundance estimates from large-mesh bottom trawl surveys in the Kodiak District, 1988–2024.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
Northeast Section													
1988	1,909,504	262,210	2,171,714	1,833,697	302,062	273,914	342,788	195,448	33,336	571,572	228,784	2,981,245	5,152,959
1989	5,104,835	4,939,395	10,044,230	4,712,143	1,382,306	1,914,154	2,227,696	1,392,832	405,131	4,025,658	1,797,962	12,034,262	22,078,491
1990	1,705,629	2,560,819	4,266,448	1,428,260	1,386,004	1,177,326	922,600	570,842	189,207	1,682,649	760,049	5,674,239	9,940,687
1991	4,913,349	2,545,040	7,458,389	4,019,422	1,892,504	1,934,644	1,592,009	819,871	134,645	2,546,525	954,517	10,393,095	17,851,484
1992	2,047,633	1,631,791	3,679,424	1,577,052	1,465,596	1,133,830	996,838	265,593	27,208	1,289,639	292,801	5,466,117	9,145,541
1993	1,726,383	1,338,631	3,065,014	1,583,955	425,635	662,172	730,540	344,834	55,003	1,130,377	399,837	3,802,139	6,867,153
1994	537,296	1,486,509	2,023,805	526,398	192,848	303,296	535,616	123,882	119,464	778,961	243,346	1,801,503	3,825,308
1995	4,779,435	1,587,960	6,367,395	4,662,087	1,131,189	352,135	441,029	11,890	163,316	616,234	175,206	6,761,646	13,129,041
1996	2,219,900	2,977,052	5,196,952	1,680,919	3,005,668	1,386,255	513,145	37,875	69,215	620,235	107,090	6,693,076	11,890,028
1997	493,347	1,198,758	1,692,106	562,071	1,108,786	1,240,992	675,334	57,412	25,564	758,310	82,976	3,670,158	5,362,264
1998	1,486,075	2,369,060	3,855,134	1,114,475	2,181,603	1,852,176	1,462,493	232,166	52,022	1,746,680	284,187	6,894,934	10,750,069
1999	1,618,793	843,819	2,462,612	1,844,274	261,946	561,539	718,671	166,590	95,461	980,721	262,051	3,648,481	6,111,093
2000	5,963,174	1,497,823	7,460,997	5,856,735	1,195,307	717,241	819,676	295,299	240,288	1,355,263	535,587	9,124,546	16,585,542
2001	14,094,656	4,872,782	18,967,438	13,622,527	5,042,355	2,846,411	1,495,486	157,690	260,569	1,913,744	418,259	23,425,037	42,392,474
2002	3,524,426	2,385,993	5,910,419	3,816,689	2,553,915	2,510,708	1,748,555	192,421	45,329	1,986,305	237,750	10,867,616	16,778,035
2003	1,469,828	2,734,418	4,204,246	1,612,226	1,770,568	3,065,332	2,792,235	372,379	146,750	3,311,363	519,128	9,759,488	13,963,734
2004	2,661,236	4,341,339	7,002,576	2,375,541	1,232,009	1,792,593	2,304,166	642,197	133,384	3,079,748	775,581	8,479,890	15,482,466
2005	3,629,916	3,094,315	6,724,231	3,930,850	1,439,651	1,419,876	2,803,156	790,716	268,920	3,862,791	1,059,636	10,653,168	17,377,399
2006	9,345,341	1,872,655	11,217,996	8,523,231	2,468,590	969,206	966,592	121,316	133,303	1,221,211	254,619	13,182,238	24,400,234
2007	5,615,746	1,996,481	7,612,227	4,049,921	2,305,668	2,332,953	1,835,021	176,220	171,887	2,183,127	348,106	10,871,670	18,483,897
2008	6,440,354	3,056,613	9,496,968	5,873,957	1,892,015	2,567,519	1,768,734	217,818	104,811	2,091,363	322,629	12,424,855	21,921,823
2009	3,171,507	1,906,899	5,078,406	2,643,302	2,907,861	3,087,713	2,716,466	666,824	29,301	3,412,592	696,126	12,051,467	17,129,873
2010	2,598,324	3,961,144	6,559,469	2,398,150	1,617,118	1,068,791	2,179,384	515,346	307,885	3,002,614	823,231	8,086,674	14,646,143
2011	1,194,208	958,253	2,152,461	1,256,554	205,191	379,711	880,337	86,747	196,489	1,163,572	283,235	3,005,028	5,157,489
2012	4,182,599	583,658	4,766,258	4,103,108	166,335	210,558	545,320	38,442	171,469	755,231	209,911	5,235,232	10,001,490
2013	25,326,329	949,935	26,276,264	24,939,779	1,508,664	429,690	226,721	35,718	67,843	330,283	103,562	27,208,416	53,484,681
2014	5,793,036	3,950,097	9,743,134	4,721,623	2,745,438	1,453,067	348,837	11,901	130,129	490,866	142,029	9,410,993	19,154,126
2015	439,201	1,558,014	1,997,215	443,504	827,052	572,440	195,923	21,803	29,543	247,269	51,346	2,090,265	4,087,480
2016	771,307	1,372,060	2,143,367	679,596	364,156	466,469	245,968	16,596	40,363	302,927	56,959	1,813,148	3,956,515
2017	2,695,083	1,603,646	4,298,730	3,155,266	321,677	476,238	377,165	27,073	24,107	428,345	51,180	4,381,527	8,680,256
2018	5,952,332	2,209,531	8,161,864	5,567,057	1,865,840	1,020,830	424,053	29,258	55,925	509,235	85,183	8,962,961	17,124,825
2019	4,453,791	4,395,623	8,849,413	4,289,584	2,063,132	1,406,402	885,255	58,536	20,980	964,771	79,516	8,723,888	17,573,302
2020	1,133,517	1,848,289	2,981,806	1,065,312	428,672	536,435	589,539	60,906	3,342	653,787	64,248	2,684,205	5,666,011

-continued-

Table 4.–Page 2 of 8.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
2021	341,219	396,565	737,784	366,856	38,162	131,121	246,234	8,301	26,685	281,220	34,985	817,360	1,555,144
2022	986,593	534,147	1,520,741	1,086,769	69,883	204,738	390,983	5,677	74,150	470,809	79,827	1,832,200	3,352,941
2023	5,994,221	731,335	6,725,557	5,001,528	231,830	97,365	199,988	374	20,844	221,206	21,218	5,551,928	12,277,485
2024	1,796,837	312,755	2,109,592	989,760	316,251	167,870	280,081	0	35,132	315,212	35,132	1,789,092	3,898,685
Eastside Section													
1988	2,667,280	948,148	3,615,428	2,093,188	649,360	814,999	863,373	361,133	124,024	1,348,530	485,157	4,906,076	8,521,505
1989	2,869,107	3,848,293	6,717,400	2,458,783	1,391,638	1,570,496	1,516,927	1,010,032	359,795	2,886,755	1,369,828	8,307,671	15,025,071
1990	1,903,552	8,133,531	10,037,083	1,621,174	860,491	2,365,121	4,163,050	940,657	247,150	5,350,857	1,187,807	10,197,643	20,234,726
1991	1,480,754	3,737,767	5,218,521	1,185,732	311,150	665,527	2,588,126	2,421,522	547,192	5,556,840	2,968,714	7,719,249	12,937,770
1992	1,495,441	1,962,597	3,458,037	1,613,415	332,242	504,179	1,599,224	530,368	344,195	2,473,788	874,564	4,923,624	8,381,661
1993	1,736,986	1,513,905	3,250,891	1,370,842	254,641	406,481	996,961	116,293	365,845	1,479,100	482,139	3,511,064	6,761,955
1994	1,887,408	603,220	2,490,628	1,398,252	739,675	488,688	601,786	50,251	130,949	782,987	181,201	3,409,602	5,900,230
1995	3,792,458	505,127	4,297,585	3,321,661	594,245	456,049	410,935	28,656	86,427	526,018	115,082	4,897,973	9,195,557
1996	2,085,879	930,860	3,016,739	2,185,852	716,444	619,212	856,195	107,596	196,575	1,160,366	304,171	4,681,874	7,698,613
1997	850,882	702,443	1,553,325	825,097	720,451	781,949	763,120	120,896	124,435	1,008,451	245,331	3,335,948	4,889,273
1998	4,407,188	2,462,612	6,869,800	3,881,347	1,776,197	2,732,488	2,240,592	291,458	476,204	3,008,254	767,662	11,398,286	18,268,086
1999	6,267,392	1,468,368	7,735,759	5,090,055	394,773	1,033,095	1,941,383	368,284	655,853	2,965,521	1,024,137	9,483,443	17,219,203
2000	5,345,240	3,360,677	8,705,917	5,136,352	1,536,286	683,540	1,706,927	486,669	838,938	3,032,535	1,325,608	10,388,713	19,094,630
2001	28,548,369	3,120,678	31,669,046	23,008,305	3,281,263	1,474,776	1,172,786	72,439	1,072,056	2,317,280	1,144,494	30,081,624	61,750,670
2002	14,391,710	6,458,222	20,849,932	6,762,937	9,038,215	3,299,556	1,613,963	303,012	853,772	2,770,747	1,156,784	21,871,455	42,721,387
2003	2,459,726	7,788,055	10,247,781	2,673,078	4,871,281	12,892,207	5,238,785	243,498	380,117	5,862,401	623,616	26,298,967	36,546,748
2004	4,249,061	2,426,489	6,675,550	3,825,810	1,107,990	3,296,832	8,524,403	1,236,290	216,599	9,977,292	1,452,889	18,207,923	24,883,474
2005	1,564,976	3,323,708	4,888,684	1,784,397	132,528	1,265,563	6,835,595	3,047,652	589,438	10,472,686	3,637,091	13,655,174	18,543,858
2006	32,307,526	577,341	32,884,867	29,035,507	531,770	585,607	4,768,414	758,572	1,988,207	7,515,193	2,746,779	37,668,077	70,552,944
2007	42,054,034	2,400,426	44,454,460	21,426,059	25,853,332	1,608,749	3,792,923	207,684	1,462,471	5,463,079	1,670,156	54,351,219	98,805,678
2008	9,145,863	14,169,100	23,314,963	6,721,837	4,619,631	12,189,762	2,611,888	96,558	1,022,832	3,731,278	1,119,390	27,262,507	50,577,470
2009	2,968,689	8,962,996	11,931,685	708,412	3,452,829	5,043,291	12,248,935	2,136,071	286,402	14,671,408	2,422,473	23,875,940	35,807,625
2010	2,270,142	6,443,398	8,713,540	1,984,615	271,378	2,203,717	10,027,460	3,508,600	1,161,609	14,697,669	4,670,209	19,157,379	27,870,919
2011	5,462,968	2,619,678	8,082,646	5,355,536	106,221	568,560	4,256,708	1,072,710	1,353,921	6,683,339	2,426,631	12,713,656	20,796,301
2012	2,580,883	523,392	3,104,275	2,551,538	114,170	439,364	3,764,515	551,199	2,103,940	6,419,655	2,655,140	9,524,727	12,629,001
2013	29,998,370	543,559	30,541,929	28,568,353	1,414,458	429,753	1,095,279	13,854	639,017	1,748,149	652,871	32,160,714	62,702,643
2014	20,997,829	1,677,985	22,675,814	14,308,112	6,813,027	1,302,106	589,386	13,149	277,084	879,619	290,232	23,302,864	45,978,677
2015	1,445,143	3,578,998	5,024,142	1,228,243	2,565,409	3,424,940	638,480	78,122	79,296	795,897	157,417	8,014,489	13,038,631
2016	1,180,480	8,881,758	10,062,238	1,137,604	1,906,344	6,641,135	5,290,292	309,344	180,123	5,779,760	489,467	15,464,843	25,527,081

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Table 4.–Page 3 of 8.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
2017	8,011,300	3,886,433	11,897,734	6,756,016	908,084	1,891,351	4,263,780	763,282	240,154	5,267,217	1,003,437	14,822,667	26,720,401
2018	46,635,134	5,856,343	52,491,477	44,877,958	2,882,527	1,767,341	4,230,302	1,102,536	874,445	6,207,283	1,976,982	55,735,110	108,226,586
2019	39,447,650	18,676,436	58,124,086	20,374,794	34,550,398	7,209,466	2,853,735	52,036	471,503	3,377,273	523,538	65,511,931	123,636,017
2020	3,064,689	28,496,323	31,561,012	2,301,325	8,301,597	20,103,782	7,129,625	109,300	27,517	7,266,442	136,817	37,973,146	69,534,158
2021	723,195	15,935,781	16,658,976	857,387	1,606,055	10,651,502	21,004,819	1,289,537	183,022	22,477,378	1,472,559	35,592,322	52,251,298
2022	1,152,605	15,066,341	16,218,946	623,058	164,405	1,883,459	16,171,498	8,505,744	1,384,241	26,061,483	9,889,985	28,732,406	44,951,352
2023	10,588,253	5,238,393	15,826,646	10,826,399	51,167	537,298	6,011,241	1,024,503	3,899,691	10,935,435	4,924,194	22,350,300	38,176,946
2024	4,224,730	2,353,323	6,578,336	4,141,648	305,805	344,978	3,564,757	12,507	1,279,714	4,856,979	1,292,222	9,649,409	16,227,746
Southeast Section													
1988	211,830	281,379	493,209	145,881	166,691	379,600	521,571	828,279	110,516	1,460,365	938,794	2,152,537	2,645,746
1989	344,638	300,841	645,479	274,117	70,173	165,691	409,730	164,606	42,547	616,882	207,153	1,126,863	1,772,342
1990	973,327	598,241	1,571,568	947,011	99,812	218,073	485,520	295,385	88,138	869,042	383,523	2,133,938	3,705,506
1991	4,566,549	871,582	5,438,131	4,259,960	395,273	233,873	318,849	170,486	39,048	528,383	209,534	5,417,488	10,855,619
1992	2,214,048	1,391,490	3,605,538	1,647,957	694,191	484,343	655,321	34,186	158,389	847,895	192,575	3,674,387	7,279,925
1993	3,987,651	670,671	4,658,322	3,680,421	257,115	442,879	428,904	28,513	142,164	599,581	170,677	4,979,996	9,638,318
1994	219,173	434,035	653,208	165,123	34,417	107,786	643,272	139,762	98,977	890,578	247,305	1,197,904	1,851,112
1995	2,589,350	110,094	2,699,445	2,298,678	14,012	28,711	82,042	77,945	44,770	204,757	122,715	2,546,158	5,245,602
1996	2,594,297	139,194	2,733,491	2,254,855	499,431	115,710	124,410	55,703	79,921	260,033	135,624	3,130,029	5,863,520
1997	453,199	140,123	593,322	360,103	199,265	114,797	44,725	3,134	44,492	92,351	47,625	766,516	1,359,838
1998	1,943,002	131,980	2,074,982	2,200,390	48,073	94,876	228,608	28,981	28,846	286,434	57,826	2,629,774	4,704,756
1999	3,784,915	155,310	3,940,225	3,835,306	96,775	94,455	186,063	127,456	67,993	381,513	195,450	4,408,050	8,348,275
2000	3,368,521	335,733	3,704,254	3,675,452	297,831	75,954	177,405	18,267	120,230	315,902	138,498	4,365,140	8,069,394
2001	9,275,561	2,885,256	12,160,817	9,309,976	2,216,966	331,591	312,654	46,576	200,537	559,768	247,113	12,418,301	24,579,118
2002	2,587,555	1,395,359	3,982,914	2,880,294	4,179,741	2,478,319	376,181	21,058	325,051	722,290	346,109	10,260,644	14,243,558
2003	474,412	468,081	942,493	626,850	1,560,831	1,714,475	978,661	53,216	90,699	1,122,576	143,915	5,024,732	5,967,226
2004	4,539,925	359,706	4,899,632	4,306,553	417,230	560,747	1,621,831	250,069	60,523	1,932,422	310,591	7,216,951	12,116,583
2005	3,940,090	528,633	4,468,723	3,720,568	371,425	472,840	1,460,498	98,285	207,945	1,766,729	306,231	6,331,561	10,800,284
2006	13,653,932	1,559,360	15,213,292	14,268,790	1,064,057	582,704	1,074,737	7,783	310,668	1,393,188	318,451	17,308,738	32,522,030
2007	11,322,239	2,427,609	13,749,848	9,127,361	7,846,844	2,169,023	1,046,213	10,505	280,253	1,336,971	290,758	20,480,199	34,230,047
2008	1,222,543	1,626,221	2,848,764	1,027,366	1,607,678	3,387,759	1,299,131	29,875	134,087	1,463,092	163,962	7,485,895	10,334,659
2009	460,372	915,233	1,375,606	574,433	560,722	1,230,529	3,181,502	666,202	47,405	3,895,110	713,608	6,260,795	7,636,401
2010	2,751,416	1,170,718	3,922,135	2,138,929	288,870	1,166,280	4,342,110	1,018,261	523,525	5,883,896	1,541,786	9,477,975	13,400,110
2011	1,671,129	381,890	2,053,019	1,786,002	72,951	270,183	1,854,363	344,406	1,335,477	3,534,247	1,679,883	5,663,383	7,716,402
2012	2,632,670	109,493	2,742,163	2,288,467	1,055,157	313,211	1,204,021	13,635	790,020	2,007,675	803,654	5,664,510	8,406,673

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Table 4.–Page 4 of 8.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
2013	14,545,604	314,299	14,859,903	12,761,023	732,032	170,437	486,945	32,203	418,335	937,483	450,538	14,600,975	29,460,878
2014	7,060,822	3,072,914	10,133,736	4,910,861	3,412,242	1,374,573	761,287	5,949	952,224	1,719,460	958,173	11,417,135	21,550,871
2015	489,551	788,949	1,278,500	368,114	701,503	1,265,659	633,729	46,246	31,978	711,953	78,224	3,047,228	4,325,728
2016	2,608,660	831,812	3,440,472	2,557,342	57,210	261,722	1,013,394	47,691	131,468	1,192,552	179,158	4,068,827	7,509,298
2017	8,220,570	692,415	8,912,985	8,794,276	2,132,695	443,520	488,588	84,919	99,473	672,981	184,392	12,043,471	20,956,456
2018	26,639,894	4,640,138	31,280,032	26,208,156	10,000,417	3,391,511	1,501,325	0	282,511	1,783,835	282,511	41,383,921	72,663,953
2019	7,798,150	9,753,561	17,551,710	6,736,958	9,688,296	6,242,870	3,416,877	80,153	77,625	3,574,654	157,778	26,242,778	43,794,488
2020	1,647,747	5,173,320	6,821,067	1,971,843	2,389,932	3,910,675	3,688,833	380,252	32,566	4,101,651	412,818	12,374,101	19,195,168
2021	1,661,040	1,430,225	3,091,266	1,780,165	506,522	2,078,631	4,753,072	1,000,827	115,181	5,869,080	1,116,008	10,234,398	13,325,664
2022	2,359,799	3,659,655	6,019,453	2,042,407	507,621	1,296,165	5,371,725	1,269,696	896,590	7,538,011	2,166,286	11,384,204	17,403,658
2023	12,783,030	1,852,801	14,635,832	10,022,737	561,409	499,165	2,041,808	172,547	690,860	2,905,216	863,407	13,988,527	28,624,358
2024	5,845,789	2,197,147	8,042,936	4,908,281	860,607	550,732	1,514,885	16,325	968,482	2,499,692	984,807	8,819,311	16,862,247
Southwest Section													
1988	63,123	126,429	189,552	54,902	13,022	47,336	527,857	983,149	93,761	1,604,766	1,076,910	1,720,026	1,909,578
1989	1,065,046	151,353	1,216,400	995,176	116,232	114,024	237,751	184,654	132,588	554,993	317,242	1,780,426	2,996,825
1990	1,913,378	519,396	2,432,774	1,355,820	844,748	453,020	321,271	35,923	28,703	385,898	64,627	3,039,487	5,472,261
1991	852,144	162,354	1,014,498	729,054	205,206	315,192	426,816	92,705	29,431	548,952	122,136	1,798,404	2,812,903
1992	455,592	197,141	652,733	450,610	152,337	318,610	234,214	271,288	71,806	577,308	343,094	1,498,865	2,151,599
1993	5,319,042	233,856	5,552,898	5,093,159	491,360	159,776	391,162	250,347	83,078	724,588	333,426	6,468,883	12,021,781
1994	205,248	120,526	325,774	131,513	70,316	60,387	145,271	128,502	30,425	304,198	158,927	566,415	892,189
1995	120,346	68,346	188,692	90,340	56,965	70,555	70,700	33,631	40,417	144,748	74,048	362,607	551,299
1996	246,178	45,960	292,138	256,475	94,050	157,219	244,579	37,145	65,925	347,649	103,070	855,393	1,147,531
1997	266,802	66,519	333,321	213,006	103,536	83,171	177,551	126,813	91,477	395,842	218,290	795,555	1,128,876
1998	246,825	37,362	284,187	238,094	61,697	55,920	62,834	22,731	88,062	173,627	110,794	529,338	813,525
1999	166,894	29,802	196,695	164,116	48,454	35,436	128,416	33,258	114,626	276,300	147,885	524,306	721,001
2000	2,615,840	69,070	2,684,909	2,419,820	188,130	115,947	142,146	55,606	95,872	293,624	151,478	3,017,521	5,702,430
2001	8,154,097	280,644	8,434,741	5,523,938	3,509,748	285,966	207,434	116,959	76,533	400,926	193,492	9,720,578	18,155,318
2002	1,061,205	909,203	1,970,408	418,408	1,748,987	1,664,261	406,037	84,295	68,353	558,684	152,648	4,390,339	6,360,747
2003	88,071	305,945	394,016	72,934	332,446	777,842	1,292,735	112,746	97,442	1,502,923	210,188	2,686,145	3,080,161
2004	331,502	312,765	644,267	295,137	59,528	290,421	890,296	1,148,946	139,684	2,178,926	1,288,630	2,824,012	3,468,279
2005	354,173	180,702	534,875	356,110	36,480	112,313	568,316	323,167	470,023	1,361,506	793,190	1,866,409	2,401,284
2006	6,694,012	644,842	7,338,854	7,738,641	273,010	143,202	490,931	103,423	626,835	1,221,189	730,258	9,376,043	16,714,897
2007	10,829,595	1,387,764	12,217,359	8,863,300	3,297,756	523,739	652,689	140,238	1,164,216	1,957,143	1,304,454	14,641,938	26,859,297
2008	5,098,706	3,793,789	8,892,495	1,861,183	5,288,108	4,681,527	724,469	128,834	262,700	1,116,003	391,534	12,946,821	21,839,316

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Table 4.–Page 5 of 8.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
2009	285,976	2,260,145	2,546,121	102,160	466,715	2,291,675	3,344,715	236,087	146,197	3,726,999	382,284	6,587,549	9,133,670
2010	33,588	3,224,059	3,257,647	25,004	38,410	478,290	2,406,615	875,775	165,546	3,447,935	1,041,320	3,989,639	7,247,286
2011	353,552	687,372	1,040,924	340,603	8,085	57,809	762,310	311,936	440,576	1,514,822	752,512	1,921,319	2,962,243
2012	645,851	699,003	1,344,853	686,600	29,532	42,218	563,027	29,026	533,241	1,125,293	562,267	1,883,644	3,228,497
2013	19,146,830	231,582	19,378,412	18,627,851	525,918	138,220	404,822	1,202	306,018	712,043	307,221	20,004,032	39,382,444
2014	5,430,037	355,607	5,785,644	5,574,293	2,725,194	702,567	459,245	14,092	112,983	586,320	127,075	9,588,375	15,374,019
2015	1,344,302	1,080,845	2,425,147	669,631	1,967,849	1,303,994	427,225	73,157	81,428	581,810	154,585	4,523,284	6,948,430
2016	55,649	1,322,223	1,377,872	41,337	391,927	1,306,211	933,779	57,200	30,239	1,021,218	87,440	2,760,694	4,138,566
2017	470,001	340,237	810,238	524,823	96,756	160,039	980,890	577,032	73,537	1,631,458	650,568	2,413,076	3,223,313
2018	21,405,752	145,746	21,551,498	20,446,193	747,297	102,982	327,351	318,270	145,030	790,652	463,301	22,087,125	43,638,623
2019	8,219,016	3,012,419	11,231,435	5,078,009	7,474,816	1,891,095	353,431	42,523	41,228	437,182	83,751	14,881,102	26,112,537
2020	531,500	1,828,282	2,359,782	85,326	1,932,956	2,689,216	1,082,630	84,656	215,186	1,382,473	299,843	6,089,971	8,449,753
2021	23,128	1,225,917	1,249,045	24,359	136,894	2,262,599	3,805,496	450,443	99,789	4,355,728	550,232	6,779,581	8,028,626
2022	94,628	574,761	669,389	82,038	21,752	257,934	2,392,802	2,422,466	274,198	5,089,466	2,696,664	5,451,190	6,120,579
2023	736,455	149,810	886,266	688,891	8,798	35,635	360,142	220,579	500,914	1,081,635	721,493	1,814,959	2,701,224
2024	1,144,823	114,884	1,259,707	1,144,128	53,073	40,006	280,365	31,807	580,322	892,494	612,129	2,129,701	3,389,408
Westside Section													
1988	1,061,340	609,564	1,670,904	813,995	56,557	225,689	299,903	152,917	34,995	487,815	187,911	1,584,055	3,254,959
1989	3,524,137	575,421	4,099,558	2,795,272	511,726	281,926	310,426	140,507	32,847	483,780	173,354	4,072,705	8,172,263
1990	812,101	2,350,880	3,162,981	382,950	731,410	440,847	504,709	116,828	80,363	701,900	197,191	2,257,107	5,420,087
1991	194,477	618,513	812,990	133,012	149,952	511,394	472,087	37,767	28,418	538,272	66,185	1,332,629	2,145,619
1992	166,400	418,713	585,113	125,689	167,032	217,146	309,164	118,442	52,022	479,628	170,464	989,494	1,574,607
1993	456,509	672,382	1,128,892	321,688	174,692	167,492	310,509	55,444	118,219	484,172	173,663	1,148,044	2,276,936
1994	159,964	249,972	409,936	109,236	113,933	74,401	90,783	31,939	42,554	165,276	74,493	462,845	872,781
1995	176,445	420,188	596,633	111,562	172,051	168,153	143,674	15,255	95,326	254,255	110,581	706,021	1,302,654
1996	227,706	421,359	649,064	105,973	274,258	305,855	235,772	38,227	104,274	378,273	142,502	1,064,359	1,713,423
1997	221,313	682,839	904,152	80,398	291,293	418,773	306,582	68,679	65,311	440,573	133,990	1,231,037	2,135,189
1998	788,727	656,294	1,445,021	697,408	171,738	302,106	235,249	30,941	57,396	323,585	88,337	1,494,837	2,939,857
1999	826,007	306,353	1,132,359	540,656	435,353	260,753	209,545	43,440	110,712	363,697	154,152	1,600,459	2,732,818
2000	858,465	674,077	1,532,542	529,566	452,910	470,691	245,984	88,079	84,523	418,586	172,602	1,871,753	3,404,295
2001	1,839,855	868,407	2,708,261	1,455,511	690,971	406,784	420,026	61,894	84,039	565,960	145,933	3,119,226	5,827,488
2002	527,986	793,843	1,321,829	315,087	579,561	496,710	319,346	105,533	82,210	507,089	187,743	1,898,447	3,220,276
2003	571,636	1,624,911	2,196,547	527,992	312,981	883,158	567,484	115,435	125,670	808,588	241,104	2,532,719	4,729,266
2004	366,212	525,466	891,678	330,107	118,563	166,735	202,362	168,515	84,959	455,836	253,475	1,071,241	1,962,919

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Table 4.–Page 6 of 8.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
2005	1,277,192	612,815	1,890,007	1,010,942	367,497	312,320	188,151	58,649	121,367	368,167	180,016	2,058,926	3,948,933
2006	2,744,533	1,979,145	4,723,678	2,051,444	1,069,617	739,331	422,792	61,494	268,180	752,465	329,673	4,612,858	9,336,536
2007	729,222	1,230,371	1,959,593	346,632	1,003,280	638,950	367,034	55,294	215,939	638,267	271,233	2,627,128	4,586,721
2008	1,527,117	1,684,296	3,211,412	1,352,319	822,562	1,311,488	1,485,619	216,339	47,007	1,748,965	263,346	5,235,335	8,446,747
2009	1,042,634	1,637,049	2,679,683	806,951	522,028	571,426	686,317	329,998	64,150	1,080,465	394,148	2,980,870	5,660,553
2010	490,816	1,160,732	1,651,549	453,771	263,695	406,184	400,006	138,090	156,607	694,703	294,697	1,818,354	3,469,902
2011	837,360	607,315	1,444,675	967,377	65,408	99,787	206,239	42,421	126,346	375,006	168,767	1,507,578	2,952,253
2012	1,281,895	616,216	1,898,111	1,268,644	714,559	202,862	147,162	48,506	91,836	287,504	140,342	2,473,570	4,371,681
2013	1,862,272	752,124	2,614,396	1,499,627	953,270	487,449	172,525	34,084	53,916	260,524	87,999	3,200,870	5,815,267
2014	487,464	1,304,612	1,792,077	201,519	648,167	728,604	550,321	66,293	39,493	656,107	105,786	2,234,397	4,026,474
2015	777,344	422,111	1,199,455	653,916	130,534	204,362	171,601	36,078	24,244	231,923	60,322	1,220,735	2,420,190
2016	1,234,936	1,171,040	2,405,977	860,550	268,739	246,679	159,243	16,803	48,252	224,298	65,055	1,600,266	4,006,243
2017	1,443,313	1,200,544	2,643,857	986,566	327,892	293,510	239,390	20,366	50,714	310,470	71,080	1,918,439	4,562,296
2018	1,255,148	1,872,830	3,127,979	710,812	846,928	954,505	545,511	55,485	36,146	637,141	91,630	3,149,386	6,277,364
2019	203,700	1,862,373	2,066,073	115,788	282,172	667,139	355,886	30,670	17,617	404,173	48,287	1,469,271	3,535,344
2020	215,908	1,227,762	1,443,669	200,744	119,718	367,206	395,492	62,377	16,796	474,665	79,173	1,162,333	2,606,002
2021	554,210	498,680	1,052,890	437,394	360,004	130,098	186,382	19,027	22,541	227,951	41,568	1,155,447	2,208,336
2022	164,791	1,263,065	1,427,856	138,046	78,483	128,190	232,008	20,729	66,453	319,189	87,181	703,599	2,131,455
2023	2,436,669	363,160	2,799,829	2,385,176	74,389	90,129	75,142	6,517	20,038	101,697	26,555	2,651,391	5,451,220
2024	2,153,877	1,153,487	3,307,363	2,550,485	1,173,345	435,860	157,689	23,532	8,750	189,971	32,282	4,349,661	7,657,024
North Mainland Section													
1988	3,803,156	879,977	4,683,133	3,432,230	168,176	462,752	1,198,267	750,791	102,427	2,051,485	853,218	6,114,643	10,797,776
1989	4,016,025	1,469,545	5,485,570	3,919,797	298,371	362,753	1,191,628	190,879	145,051	1,527,557	335,929	6,108,478	11,594,048
1990	6,781,395	3,268,014	10,049,408	5,758,673	2,139,194	762,964	1,462,653	107,265	127,047	1,696,965	234,312	10,357,795	20,407,203
1991	776,386	1,131,246	1,907,632	613,823	617,043	542,871	964,308	75,507	119,723	1,159,537	195,229	2,933,274	4,840,906
1992	2,403,117	905,642	3,308,759	2,295,110	226,638	397,349	779,631	116,660	92,797	989,087	209,456	3,908,184	7,216,943
1993	3,807,150	1,019,024	4,826,174	3,209,919	150,127	417,917	820,503	155,194	182,009	1,157,706	337,203	4,935,669	9,761,843
1994	3,022,638	533,479	3,556,117	2,227,033	543,819	232,747	359,490	140,532	171,928	671,950	312,460	3,675,549	7,231,666
1995	626,005	246,196	872,201	675,062	133,783	61,099	150,463	35,974	66,013	252,450	101,987	1,122,394	1,994,595
1996	4,438,753	390,440	4,829,194	4,296,556	340,297	217,540	340,577	32,850	186,028	559,455	218,878	5,413,848	10,243,042
1997	2,425,735	265,381	2,691,116	2,377,844	506,858	344,825	657,422	56,645	192,724	906,791	249,369	4,136,318	6,827,434
1998	4,210,092	250,939	4,461,032	3,952,802	348,370	304,279	325,496	8,338	152,246	486,079	160,583	5,091,530	9,552,562
1999	4,347,808	272,095	4,619,903	4,444,484	564,047	212,151	606,664	48,794	113,979	769,437	162,773	5,990,119	10,610,022
2000	4,636,178	547,394	5,183,572	4,809,570	1,397,012	554,199	346,114	64,494	60,391	470,999	124,885	7,231,781	12,415,353

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Table 4.–Page 7 of 8.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
2001	5,735,373	583,029	6,318,402	6,145,816	494,951	450,609	398,943	20,877	177,249	597,069	198,126	7,688,445	14,006,847
2002	7,338,127	669,608	8,007,736	7,552,193	2,613,229	982,789	222,027	9,267	27,260	258,554	36,527	11,406,765	19,414,500
2003	1,627,823	1,011,730	2,639,553	1,604,818	324,666	254,474	228,488	23,124	56,380	307,992	79,504	2,491,951	5,131,504
2004	4,678,110	290,338	4,968,448	3,956,748	285,348	398,469	428,603	28,338	60,176	517,118	88,515	5,157,683	10,126,131
2005	5,990,418	606,567	6,596,986	5,479,363	571,824	187,772	247,463	62,867	25,850	336,180	88,717	6,575,139	13,172,124
2006	5,911,611	1,929,966	7,841,577	6,455,232	1,558,585	805,778	165,912	124,047	54,467	344,426	178,514	9,164,022	17,005,599
2007	1,121,754	244,836	1,366,589	1,292,892	77,252	163,159	189,189	33,113	103,553	325,855	136,666	1,859,158	3,225,747
2008	2,036,522	109,041	2,145,562	2,166,514	25,509	78,678	186,215	11,900	93,598	291,713	105,498	2,562,414	4,707,976
2009	2,284,266	185,968	2,470,233	1,994,905	69,111	183,310	389,268	0	186,933	576,200	186,932	2,823,526	5,293,759
2010	2,059,066	286,253	2,345,319	2,100,879	214,400	379,881	312,627	40,634	46,065	399,326	86,699	3,094,486	5,439,805
2011	7,474,188	158,917	7,633,106	7,445,447	175,579	276,759	464,112	65,350	22,954	552,415	88,304	8,450,200	16,083,305
2012	2,375,150	58,383	2,433,533	2,411,334	30,386	75,424	196,017	252,242	34,533	482,792	286,775	2,999,936	5,433,468
2013	3,803,359	434,824	4,238,183	4,005,810	274,410	174,007	135,581	53,508	106,694	295,783	160,201	4,750,009	8,988,192
2014	1,778,893	59,308	1,838,201	1,533,742	50,265	99,131	128,835	44,522	28,568	201,925	73,090	1,885,064	3,723,265
2015	3,404,003	307,366	3,711,369	3,365,750	557,304	378,627	243,381	175,976	142,592	561,949	318,568	4,863,629	8,574,998
2016	5,684,804	758,341	6,545,262	4,659,514	462,114	406,352	355,069	48,277	43,868	447,213	92,145	5,975,193	12,520,455
2017	3,242,981	143,940	3,386,921	3,331,603	123,092	163,424	318,922	216,294	30,786	566,001	247,079	4,184,121	7,571,042
2018	3,898,509	967,180	4,865,689	5,876,517	579,729	287,351	333,322	205,947	103,456	642,724	309,403	7,386,322	12,252,011
2019	2,446,306	662,398	3,108,704	2,330,609	1,001,705	784,722	396,564	149,292	68,171	614,026	217,462	4,731,061	7,839,766
2020	388,400	326,047	714,447	448,841	267,228	510,961	271,115	11,575	70,546	353,236	82,121	1,580,265	2,294,712
2021						no survey							
2022	2,277,462	207,439	2,484,900	2,313,238	24,092	119,119	437,441	190,234	37,212	664,886	227,445	3,121,336	5,606,236
2023	15,980,245	58,457	16,038,702	17,076,191	71,662	130,815	479,704	348,621	68,941	897,265	417,562	18,175,933	34,214,635
2024	5,778,989	2,121,309	7,900,298	3,676,693	776,549	112,442	255,963	10,559	72,832	339,354	83,391	4,905,037	12,805,335
KODIAK DISTRICT TOTALS													
1988	10,168,600	8,374,683	18,543,283	8,576,998	2,376,667	2,312,912	4,311,051	674,773	898,543	5,884,365	1,573,316	19,150,943	37,694,226
1989	16,923,788	11,284,848	28,208,637	15,155,288	3,770,446	4,409,044	5,894,158	3,083,510	1,117,959	10,095,625	4,201,468	33,430,405	61,639,040
1990	16,859,899	19,512,057	36,371,955	14,104,877	6,028,322	6,101,797	9,089,109	2,758,111	930,941	12,778,160	3,689,052	39,013,157	75,385,110
1991	5,982,717	8,808,940	14,791,657	5,036,892	2,769,167	3,430,383	5,859,457	3,493,728	1,002,109	10,355,292	4,495,836	21,591,733	36,383,391
1992	14,000,448	6,900,715	20,901,162	12,764,206	3,166,026	3,605,801	4,833,091	2,027,115	734,513	7,594,719	2,761,629	27,130,750	48,031,913
1993	15,581,368	6,462,448	22,043,817	13,220,617	3,230,607	2,769,839	4,171,294	877,057	934,748	5,983,100	1,811,807	25,204,164	47,247,981
1994	10,989,292	3,516,499	14,505,791	9,130,410	2,150,493	1,961,274	2,356,774	724,571	573,023	3,654,369	1,297,595	16,896,546	31,402,337
1995	5,471,723	3,160,401	8,632,124	4,890,146	1,184,309	1,166,938	1,954,660	377,160	506,624	2,847,010	892,349	10,088,402	18,720,525

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Table 4.–Page 8 of 8.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
1996	14,367,301	3,486,673	17,853,975	13,805,621	2,570,250	1,680,672	2,200,194	305,653	760,888	3,266,734	1,066,542	21,323,278	39,177,252
1997	8,578,929	4,833,428	13,412,357	7,432,119	5,127,237	3,130,683	2,542,230	466,611	623,083	3,631,925	1,089,694	19,321,963	32,734,320
1998	10,599,378	4,746,088	15,345,468	9,691,825	3,666,053	4,750,582	3,584,230	414,014	843,964	4,842,206	1,257,977	22,950,665	38,296,132
1999	15,037,178	4,577,658	19,614,832	13,554,176	3,672,303	3,488,487	4,577,109	754,923	1,076,038	6,408,069	1,830,960	27,123,035	46,737,869
2000	18,859,431	5,650,347	24,509,777	18,574,888	3,933,059	2,480,371	3,345,905	988,894	1,243,178	5,577,978	2,232,074	30,566,299	55,076,076
2001	53,609,389	6,686,314	60,295,701	45,665,757	9,470,071	3,411,330	3,196,270	585,735	1,770,395	5,552,400	2,356,130	64,099,559	124,395,259
2002	46,689,245	16,588,914	63,278,160	37,981,128	21,239,313	9,621,318	4,369,513	706,373	1,492,701	6,568,586	2,199,074	75,410,344	138,688,502
2003	10,859,237	14,511,993	25,371,230	11,575,805	12,575,030	19,796,708	9,452,228	708,282	1,029,989	11,190,499	1,738,271	55,138,042	80,509,272
2004	11,569,125	6,757,557	18,326,682	10,646,878	4,902,828	8,932,264	13,816,560	3,007,684	738,867	17,563,111	3,746,552	42,045,079	60,371,763
2005	16,387,920	9,424,837	25,812,760	15,312,906	2,757,568	4,231,308	11,765,522	4,384,601	1,400,585	17,550,709	5,785,186	39,852,489	65,665,248
2006	55,227,688	8,754,242	63,981,930	52,932,242	5,244,058	4,166,634	10,111,703	1,936,537	3,414,554	15,462,793	5,351,091	77,805,729	141,787,659
2007	77,733,878	8,695,412	86,429,289	54,720,904	33,764,267	4,486,507	7,043,164	565,428	3,390,150	10,998,743	3,955,579	103,970,419	190,399,707
2008	34,746,193	24,180,316	58,926,507	25,279,135	20,908,322	22,763,431	7,889,425	640,356	1,878,277	10,408,057	2,518,632	79,358,946	138,285,453
2009	14,244,462	17,728,992	31,973,454	10,513,751	8,010,376	14,044,980	19,737,100	2,949,849	922,580	23,609,527	3,872,428	56,178,635	88,152,089
2010	8,485,491	13,936,574	22,422,067	7,782,004	4,256,466	7,786,314	19,044,676	5,896,125	1,606,533	26,547,335	7,502,659	46,372,120	68,794,186
2011	19,477,808	9,205,144	28,682,955	18,646,042	2,261,281	3,237,986	12,210,863	3,026,024	2,775,207	18,012,092	5,801,231	42,157,402	70,840,355
2012	9,749,116	3,237,137	12,986,252	9,960,672	1,166,789	1,409,762	7,405,421	1,312,126	4,295,516	13,013,063	5,607,642	25,550,288	38,536,538
2013	61,626,100	2,655,240	64,281,341	59,093,216	4,389,548	1,753,198	3,557,548	154,725	2,067,134	5,779,405	2,221,857	71,015,367	135,296,709
2014	68,566,156	4,661,746	73,227,903	59,318,468	12,477,349	3,432,535	2,441,453	205,977	944,306	3,591,737	1,150,283	78,820,091	152,047,994
2015	19,824,650	12,412,331	32,236,983	15,550,024	11,378,776	8,139,563	2,590,811	381,183	1,409,913	4,381,905	1,791,094	39,450,265	71,687,246
2016	9,084,621	14,480,325	23,667,064	7,510,623	4,557,679	10,438,476	7,568,035	499,673	364,003	8,431,711	863,677	30,938,489	54,605,553
2017	16,547,562	7,775,026	24,322,589	14,835,946	1,877,190	3,236,515	7,062,344	1,641,261	567,022	9,270,625	2,208,281	29,220,278	53,542,865
2018	84,110,196	11,138,160	95,248,358	83,861,022	7,510,853	4,031,937	6,302,239	1,794,230	1,282,657	9,379,126	3,076,888	104,782,941	200,031,296
2019	82,908,898	31,063,295	113,972,194	59,674,413	55,175,348	14,964,763	5,884,994	303,779	936,955	7,125,724	1,240,732	136,940,247	250,912,442
2020	16,452,438	46,027,598	62,480,033	14,062,778	22,372,927	31,320,437	13,180,994	406,597	428,650	14,016,241	835,248	81,772,381	144,252,415
2021	4,081,797	24,681,987	28,763,784	4,356,295	4,921,557	17,491,309	29,275,069	2,200,165	341,260	31,816,495	2,541,425	58,585,656	87,349,439
2022	5,691,745	18,938,396	24,630,141	5,303,401	833,416	4,598,454	24,233,055	12,148,301	1,903,970	38,285,324	14,052,268	49,060,289	73,690,430
2023	48,553,546	8,407,165	56,960,713	46,021,783	1,000,746	1,400,837	9,351,308	1,788,042	5,268,343	16,407,693	7,056,385	64,831,059	121,791,771
2024	20,945,045	8,252,905	29,198,232	17,410,995	3,485,630	1,651,888	6,053,740	94,730	2,945,232	9,093,702	3,039,963	31,642,211	60,840,445

Note: CW = carapace width.

Table 5.—Number of male red king and male Tanner crabs by management unit, crab cohort, and shell condition captured in the 2024 large-mesh bottom trawl survey.

Cohort	Definition	Shell Condition				Total
		Soft/ New pliable	New	Old	Very old/ Very very old	
Kodiak Area red king crab						
Prerecruit IV	<95 mm CL	0	0	0	0	0
Prerecruit III	95–112 mm CL	0	0	0	0	0
Prerecruit II	113–130 mm CL	0	14	0	0	14
Prerecruit I	>130 mm CL and sublegal	0	50	2	0	52
Recruit	<164 mm CL and legal soft/new	0	64	–	–	64
Postrecruit	≥164 mm CL or legal and not soft/new	0	46	60	22	128
Total		0	174	62	22	258
Alaska Peninsula Area red king crab						
Prerecruit IV	<79 mm CL	0	0	0	0	0
Prerecruit III	79–95 mm CL	0	1	0	0	1
Prerecruit II	96–115 mm CL	0	3	0	0	3
Prerecruit I	>115 mm CL and sublegal	0	18	0	0	18
Recruit	<152 mm CL and legal soft/new	0	7	–	–	7
Postrecruit	≥152 mm CL or legal and not soft/new	0	34	0	12	46
Total		0	63	0	12	75
Kodiak District Tanner crab						
Prerecruit IV	<70 mm CW	1,226	8,270	15	1	9,512
Prerecruit III	70–91 mm CW	256	3,125	25	25	3,430
Prerecruit II	92–114 mm CW	41	1,293	149	318	1,801
Prerecruit I	>114 mm CW and sublegal	6	283	1,785	1,872	3,946
Recruit	<165 mm CW and legal soft/new	5	180	–	–	185
Postrecruit	≥165 mm CW or legal and not soft/new	2	3	1,803	316	2,124
Total		1,535	13,154	3,777	2,532	20,999
Mature only	>114 mm CW	13	466	3,588	2,189	6,256
Chignik District Tanner crab						
Prerecruit IV	<70 mm CW	739	5,642	0	0	6,380
Prerecruit III	70–91 mm CW	17	307	2	0	326
Prerecruit II	92–114 mm CW	6	307	32	42	386
Prerecruit I	>114 mm CW and sublegal	0	455	168	103	726
Recruit	<165 mm CW and legal soft/new	1	184	–	–	185
Postrecruit	≥165 mm CW or legal and not soft/new	0	2	54	18	74
Total		763	6,896	256	163	8,078
Mature only	>114 mm CW	1	641	222	121	986

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Table 5.–Page 2 of 2.

		Shell Condition				
Cohort	Definition	Soft/ New pliable	New	Old	Very old/ Very very old	Total
South Peninsula District Tanner crab						
Prerecruit IV	<70 mm CW	346	1753	0	0	2,099
Prerecruit III	70–91 mm CW	54	443	17	3	517
Prerecruit II	92–114 mm CW	24	773	184	129	1,110
Prerecruit I	>114 mm CW and sublegal	7	645	632	728	2,012
Recruit	<165 mm CW and legal soft/new	5	263	–	–	268
Postrecruit	≥165 mm CW or legal and not soft/new	0	7	886	361	1,254
Total		436	3,884	1,719	1,221	7,260
Mature only	>114 mm CW	12	915	1,518	1,089	3,534
Eastern Aleutian District Tanner crab						
Prerecruit IV	<70 mm CW	84	710	0	0	794
Prerecruit III	70–91 mm CW	14	532	31	0	577
Prerecruit II	92–114 mm CW	15	398	503	13	929
Prerecruit I	>114 mm CW and sublegal	3	75	525	57	660
Recruit	<165 mm CW and legal soft/new	0	6	–	–	6
Postrecruit	≥165 mm CW or legal and not soft/new	0	0	27	11	38
Total		116	1,721	1,086	81	3,004
Mature only	>114 mm CW	3	81	552	68	704

Note: CW = carapace width.

Note: En dashes indicate not applicable.

Table 6.—Red king crab abundance estimates from large-mesh bottom trawl surveys in the Kodiak and Alaska Peninsula Areas, 2015–2024.

Year	Females			Prerecruit males				Recruit males	Postrecruit males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	IV	III	II	I					
KODIAK AREA												
Northeast District												
2015	0	0	0	0	0	0	0	0	365	365	365	365
2016	0	7,154	7,154	0	0	0	0	0	365	365	365	7,519
2017	0	3,281	3,281	0	0	0	2,187	3,990	3,625	7,617	9,804	13,085
2018	196	4,452	4,648	0	775	0	709	709	4,522	5,232	6,716	11,364
2019	0	7,803	7,803	0	709	0	0	0	2,903	2,903	3,612	11,415
2020	2,027	1,549	3,576	0	2,027	0	486	1,549	4,542	6,091	8,604	12,180
2021	8,456	31,950	40,407	709	5,134	10,846	775	775	5,134	5,909	23,372	63,779
2022	217	8,160	8,378	0	887	413	668	392	0	392	2,360	10,738
2023	0	2,254	2,254	0	0	0	0	384	0	384	384	2,638
2024	0	0	0	0	0	0	0	0	0	0	0	0
Southeast District												
2015	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	1,234	0	902	0	0	0	2,136	2,136
2017	0	2,387	2,387	0	0	0	0	902	2,971	3,872	3,872	6,261
2018	1,367	2,734	4,101	0	2,734	0	0	2,734	1,367	4,101	6,836	10,937
2019	0	0	0	0	0	0	0	0	2,392	2,392	2,392	2,392
2020	0	0	0	0	0	0	0	0	0	0	0	0
2021	2,079	1,196	3,275	668	0	0	1,196	0	0	0	1,864	5,140
2022	0	743	743	0	0	743	0	0	3,564	3,564	4,306	5,049
2023	0	3,038	3,038	0	0	0	0	0	1,519	1,519	1,519	4,557
2024	0	0	0	0	0	0	0	0	1,175	1,175	1,175	1,175
Southwest District												
2015	8,940	162,793	171,733	3,190	6,863	7,242	22,189	111,896	219,653	331,552	371,037	542,770
2016	124,312	79,933	204,246	66,445	86,292	10,107	2,881	11,770	184,636	196,405	362,129	566,376
2017	1,241	41,734	42,975	1,074	5,046	42,730	23,241	9,404	116,562	125,967	198,056	241,031
2018	8,633	178,471	187,103	2,855	11,321	30,806	41,829	17,416	82,980	100,393	187,204	374,308
2019	2,336	106,965	109,302	0	0	1,929	15,719	51,032	105,081	156,112	173,760	283,063
2020	0	16,429	16,429	714	892	0	1,595	18,631	67,759	86,390	89,591	106,020
2021	56,693	32,445	89,138	33,418	11,362	5,631	5,754	2,313	37,708	40,021	96,186	185,324
2022	2,425	19,548	21,972	0	1,001	2,034	5,477	3,567	32,486	36,053	44,563	66,533
2023	6,885	8,547	15,432	0	1,377	5,595	4,439	9,685	17,085	26,769	38,182	53,615
2024	1,345	3,743	5,088	803	0	5,063	18,524	23,729	55,981	79,711	104,099	109,187

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Table 6.—Page 2 of 5.

	Females			Prerecruit males				Recruit males	Postrecruit males	Legal males	Total males	Total crab
Year	Juvenile	Mature	Total	IV	III	II	I					
Shelikof District												
2015	774	0	774	0	0	149	0	0	297	297	446	1,220
2016	4,747	0	4,747	0	0	0	0	0	0	0	0	4,747
2017	614	1,605	2,219	922	0	447	0	0	1,841	1,841	3,210	5,428
2018	0	0	0	0	0	0	0	149	0	149	149	149
2019	475	1,426	1,902	773	0	0	0	475	475	951	1,724	3,626
2020	661	0	661	186	186	372	0	0	0	0	744	1,405
2021	475	0	475	475	0	0	0	0	0	0	475	951
2022	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	179	0	0	0	0	0	0	179	179
KODIAK AREA TOTAL												
2015	9,714	162,793	172,507	3,190	6,863	7,391	22,189	111,896	220,315	332,214	371,848	544,355
2016	129,059	87,087	216,147	66,445	87,526	10,107	3,783	11,770	185,001	196,770	364,630	580,778
2017	1,855	49,007	50,862	1,996	5,046	43,177	25,428	14,296	124,999	139,297	214,942	265,805
2018	10,196	185,657	195,852	2,855	14,830	30,806	42,538	21,008	88,869	109,875	200,905	396,758
2019	2,811	116,194	119,007	773	709	1,929	15,719	51,507	110,851	162,358	181,488	300,496
2020	2,688	17,978	20,666	900	3,105	372	2,081	20,180	72,301	92,481	98,939	119,605
2021	67,703	65,591	133,295	35,270	16,496	16,477	7,725	3,088	42,842	45,930	121,897	255,194
2022	2,642	28,451	31,093	0	1,888	3,190	6,145	3,959	36,050	40,009	51,229	82,320
2023	6,885	13,839	20,724	0	1,377	5,595	4,439	10,069	18,604	28,672	40,085	60,810
2024	1,345	3,743	5,088	982	0	5,063	18,524	23,729	57,156	80,886	105,453	110,541
ALASKA PENINSULA AREA												
Morzhovoi Bay												
2015	4,666	47,441	52,108	778	7,000	4,666	4,666	3,889	27,221	31,109	48,219	100,327
2016	0	884	884	0	0	0	0	0	1,598	1,598	1,598	2,482
2017	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	949	949	949	949
2019	0	0	0	0	0	0	0	0	834	834	834	834
2020	0	14,946	14,946	0	0	0	1,172	1,768	884	2,652	3,824	18,769
2021	0	0	0	714	0	714	0	0	2,054	2,054	3,482	3,482
2022	0	0	0	0	0	0	0	0	714	714	714	714
2023	0	0	0	0	0	0	0	0	1,334	1,334	1,334	1,334
2024	0	0	0	0	0	0	0	0	1,414	1,414	1,414	1,414

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Table 6.–Page 3 of 5.

	Females			Prerecruit males				Recruit males	Postrecruit males	Legal males	Total males	Total crab
Year	Juvenile	Mature	Total	IV	III	II	I					
Cold Bay/Belkofski Bay												
2015	17,894	2,627	20,521	10,438	10,083	1,491	0	1,136	1,491	2,627	24,639	45,161
2016	49,586	24,851	74,437	2,216	39,894	32,575	4,433	2,216	7,897	10,114	89,232	163,667
2017	0	957	957	0	0	0	161	0	161	161	322	1,279
2018	0	0	0	0	0	0	0	1,771	0	1,771	1,771	1,771
2019	1,491	0	1,491	0	0	0	0	0	0	0	0	1,491
2020	4,018	6,654	10,672	3,939	1,914	0	0	0	4,557	4,557	10,410	21,083
2021	1,491	904	2,395	0	2,395	1,491	0	0	0	0	3,886	6,282
2022	0	2,242	2,242	0	0	0	0	0	0	0	0	2,242
2023	0	434	434	0	0	0	0	0	0	0	0	434
2024	1,125	0	1,125	0	0	0	0	670	509	1,179	1,179	2,304
Pavlof Bay/Volcano Bay												
2015	0	4,337	4,337	3,530	0	0	5,204	9,541	14,827	24,367	33,102	37,438
2016	3,468	10,412	13,880	0	1,689	2,417	0	2,580	17,026	19,606	23,711	37,590
2017	1,961	20,453	22,414	0	0	1,565	2,347	3,384	84,098	87,482	91,393	113,807
2018	2,966	11,204	14,170	919	0	14,369	139,131	49,642	180,925	230,567	384,986	399,155
2019	2,765	93,549	96,314	0	0	1,239	8,692	11,346	43,742	55,090	65,021	161,336
2020	1,048	68,598	69,646	0	2,522	2,522	0	5,182	73,014	78,196	83,239	152,885
2021	0	0	0	0	0	845	845	7,601	234,608	242,209	243,898	243,898
2022	0	18,433	18,433	0	0	0	782	867	18,994	19,861	20,643	39,077
2023	4,714	8,189	12,902	0	0	5,657	7,395	18,026	82,190	100,217	113,268	126,170
2024	867	47,970	48,838	0	0	2,602	15,682	5,296	45,335	50,631	68,914	117,751
Beaver Bay/Balboa Bay/Unga Strait												
2015	0	0	0	0	0	0	0	0	564	564	564	564
2016	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	18,292	18,292	0	0	1,495	747	6,163	0	6,163	8,405	26,697
2018	0	8,589	8,589	0	0	0	0	2,989	4,852	7,841	7,841	16,429
2019	0	747	747	0	0	0	0	0	2,989	2,989	2,989	3,737
2020	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	368	368	0	0	0	0	0	0	0	0	368
2022	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	537	537	537	537
2024	0	611	611	0	0	0	0	0	564	564	564	564

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Table 6.–Page 4 of 5.

	Females			Prerecruit males				Recruit males	Postrecruit males	Legal males	Total males	Total crab
Year	Juvenile	Mature	Total	IV	III	II	I					
Stepovak Bay												
2015	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	1,033	1,033	0	0	0	0	0	0	0	0	1,033
2020	886	1,495	2,381	0	0	0	0	0	1,311	1,311	1,311	3,692
2021	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0
2023					not surveyed							
2024	0	0	0	0	0	0	0	0	0	0	0	0
West Nagai Strait												
2015	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	1,009	1,009	0	0	0	0	0	0	0	0	1,009
2020	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	899	899	899	899
Mitrofanina												
2015	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0
2024	1,692	0	1,692	0	0	0	0	0	0	0	0	1,692

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Table 6.—Page 5 of 5.

Year	Females			Prerecruit males				Recruit males	Postrecruit males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	IV	III	II	I					
Chignik Bay/Castle Bay												
2015	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	3,072	3,072	0	0	0	366	0	3,353	3,353	3,719	6,792
2017	1,747	38,431	40,178	0	2,620	4,367	2,620	3,494	2,757	6,251	16,732	56,909
2018	0	3,390	3,390	0	0	0	424	0	0	0	424	3,814
2019	0	2,543	2,543	0	0	0	0	0	758	758	758	3,301
2020	0	326	326	0	0	0	0	0	0	0	0	326
2021	0	0	0	0	0	326	0	0	326	326	651	651
2022	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	293	0	0	0	0	0	293	293
Kujulik Bay												
2015	28,287	208,627	236,913	0	13,671	53,520	13,671	13,671	57,418	71,089	151,951	388,864
2016	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	456	0	0	456	0	456	911	911
2018	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0
ALASKA PENINSULA AREA TOTAL												
2015	50,847	263,032	313,879	14,746	30,754	59,677	23,541	28,237	101,521	129,756	258,475	572,354
2016	53,054	39,219	92,273	2,216	41,583	34,992	4,799	4,796	29,874	34,671	118,260	210,531
2017	3,708	78,133	81,841	0	3,076	7,427	5,875	13,497	87,016	100,513	117,763	199,603
2018	2,966	23,183	26,149	919	0	14,369	139,555	54,402	186,726	241,128	395,971	422,118
2019	4,256	98,881	103,137	0	0	1,239	8,692	11,346	48,323	59,671	69,602	172,741
2020	5,952	92,019	97,971	3,939	4,436	2,522	1,172	6,950	79,766	86,716	98,784	196,755
2021	1,491	1,272	2,763	714	2,395	3,376	845	7,601	236,988	244,589	251,917	254,681
2022	0	20,675	20,675	0	0	0	782	867	19,708	20,575	21,357	42,033
2023	4,714	8,623	13,336	0	0	5,657	7,395	18,026	84,061	102,088	115,139	128,475
2024	3,684	48,581	52,266	0	293	2,602	15,682	5,966	48,721	54,687	73,263	125,528

Note: Definitions of categories used to distinguish juvenile and mature females; prerecruit males IV, III, II, and I; and recruit and postrecruit males are found in Appendix A1 and differ by management area.

Table 7.—Predominant species by weight in the Chignik Tanner crab District large-mesh bottom trawl survey, 2024.

Common name	Species name	% of catch by weight
Arrowtooth flounder	<i>Atheresthes stomias</i>	32.5
Flathead sole	<i>Hippoglossoides elassodon</i>	19.5
Walleye pollock	<i>Gadus chalcogrammus</i>	15.5
Tanner crab	<i>Chionoecetes bairdi</i>	5.5
Big skate	<i>Beringraja binocularata</i>	4.6
Yellowfin sole	<i>Limanda aspera</i>	4.2
Anemone	Order: Actinaria	3.9
Pacific cod	<i>Gadus macrocephalus</i>	3.1
Pacific halibut	<i>Hippoglossus stenolepis</i>	2.6
Rex sole	<i>Glyptocephalus zachirus</i>	0.9
Longnose skate	<i>Raja rhina</i>	0.9
Aleutian skate	<i>Bathyranga aleutica</i>	0.7
Oregon triton	<i>Fusitriton oregonesis</i>	0.6
Rougheye rockfish	<i>Sebastes aleutianus</i>	0.4
Dungeness crab	<i>Metacarcinus magister</i>	0.4
Plain sculpin	<i>Myoxocephalus jaok</i>	0.3
Hermit crab	Family: Paguridae	0.3
Alaska plaice	<i>Pleuronectes quadrituberculatus</i>	0.3
English sole	<i>Parophrys vetulus</i>	0.3
Dover sole	<i>Microstomus pacificus</i>	0.3
All others	(74 species)	3.2
Total		100.0

Table 8.—Tanner crab abundance estimates from large-mesh bottom trawl surveys in the Chignik District, 1989–2024.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
Ivanof Bay													
1989	182,026	44,786	226,813	160,835	26,226	140,697	129,929	60,581	4,430	194,939	65,010	522,697	749,510
1990	358,513	8,403	366,916	467,357	3,126	19,335	44,189	19,440	0	63,629	19,440	553,448	920,364
1991	275,037	1,476	276,513	302,533	0	0	1,723	7,136	738	9,597	7,874	312,130	588,643
1992	22,894	2,215	25,109	30,505	1,969	984	1,230	4,100	2,628	7,958	6,728	41,416	66,525
1993	24,833	1,929	26,762	19,180	37,978	9,880	3,055	0	699	3,754	699	70,791	97,554
1994	22,820	12,094	34,914	6,775	22,612	12,866	3,832	984	246	5,062	1,230	47,315	82,230
1995	40,024	3,832	43,857	46,548	2,848	492	2,461	2,707	492	5,660	3,199	55,548	99,405
1996	63,771	699	64,469	65,884	41,649	6,890	7,871	8,754	0	16,625	8,754	131,049	195,518
1997	22,656	4,675	27,331	29,633	3,618	7,770	4,183	3,691	738	8,612	4,429	49,633	76,965
1998	22,035	1,191	23,226	21,497	1,864	246	1,230	1,723	0	2,953	1,723	26,560	49,785
1999	42,136	3,652	45,787	44,603	492	1,476	9,906	10,089	945	20,940	11,034	67,511	113,299
2000	457,296	15,178	472,474	503,823	37,727	25,900	15,503	10,089	1,191	26,783	11,280	594,234	1,066,709
2001	570,001	85,641	655,642	403,999	296,452	64,697	41,587	2,848	15,299	59,734	18,147	824,882	1,480,524
2002	263,138	45,073	308,211	93,656	335,981	326,874	94,639	3,513	9,229	107,381	12,742	863,893	1,172,104
2003	25,199	240,133	265,331	3,168	41,275	91,790	106,903	25,048	7,990	139,941	33,038	276,174	541,505
2004	22,389	447,394	469,783	28,951	19,735	179,096	280,796	69,766	36,848	387,410	106,614	615,193	1,084,975
2005	339,705	898,151	1,237,856	495,062	40,357	83,921	218,668	56,909	51,656	327,233	108,564	946,573	2,184,429
2006	5,260,959	308,560	5,569,519	6,611,859	1,126,264	82,239	184,384	53,504	159,460	397,348	212,965	8,217,711	13,787,230
2007	2,404,530	177,376	2,581,906	2,320,990	1,640,664	300,376	64,073	16,935	29,032	110,040	45,967	4,372,070	6,953,976
2008	892,396	754,345	1,646,741	372,456	1,213,676	851,002	189,965	12,249	16,332	218,546	28,581	2,655,681	4,302,422
2009	37,251	982,209	1,019,460	46,515	290,604	1,099,891	1,011,168	46,640	34,012	1,091,820	80,652	2,528,831	3,548,291
2010	9,536	379,027	388,563	14,281	10,052	180,469	847,469	307,864	179,281	1,334,614	487,145	1,539,416	1,927,979
2011	99,210	137,350	236,560	119,792	0	28,130	313,171	228,661	250,321	792,153	478,981	940,074	1,176,634
2012	120,616	36,960	157,577	151,570	3,231	7,300	53,250	6,836	22,717	82,803	29,552	244,904	402,480
2013	1,578,022	124,172	1,702,194	1,844,153	16,435	12,578	429,088	0	438,908	867,996	438,908	2,741,162	4,443,355
2014	162,697	63,152	225,849	106,270	161,706	201,521	682,703	0	734,287	1,416,990	734,287	1,886,488	2,112,337
2015	687,142	1,251,419	1,938,561	276,203	539,086	450,957	460,557	21,702	220,709	702,968	242,411	1,969,214	3,907,775
2016	15,950	19,149	35,098	5,791	20,743	314,860	270,305	24,331	628	295,264	24,959	636,659	671,757
2017	270,629	328,652	599,281	268,460	32,240	43,972	87,637	43,064	7,455	138,156	50,519	482,829	1,082,110
2018	856,622	72,797	929,419	852,945	119,645	36,010	34,081	10,841	3,079	48,001	13,921	1,056,602	1,986,021
2019	845,485	1,341,067	2,186,552	274,085	1,229,439	487,318	87,182	0	699	87,881	699	2,078,723	4,265,275
2020	380,045	221,294	601,339	240,343	400,254	771,065	366,073	699	0	366,772	699	1,778,433	2,379,772
2021	121,099	173,150	294,249	82,805	102,944	181,142	486,607	48,358	23,117	558,082	71,475	924,973	1,219,221

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Table 8.—Page 2 of 6.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
2022	74,000	295,221	369,220	80,210	26,336	71,239	224,496	83,041	24,286	331,822	107,327	509,608	878,828
2023	75,204	258,397	333,601	82,323	7,320	12,566	14,593	9,978	3,293	27,864	13,270	130,070	463,673
2024	583,180	12,680	595,860	667,867	10,258	2,867	13,414	1,723	0	15,136	1,723	696,128	1,291,988
Mitrofanina Island													
1989	230,245	510,311	740,557	294,071	151,713	637,889	308,313	42,526	38,982	389,821	81,508	1,473,494	2,214,050
1990	275,999	30,022	306,021	249,040	89,654	109,026	140,854	49,667	19,003	209,524	68,669	657,244	963,265
1991	364,824	29,297	394,121	316,083	65,484	43,775	36,898	33,084	4,935	74,917	38,019	500,258	894,380
1992	243,347	6,715	250,062	194,759	28,551	6,193	9,925	11,825	1,517	23,267	13,343	252,771	502,833
1993	99,115	15,143	114,258	64,204	49,478	28,688	12,802	13,193	10,204	36,199	23,397	178,569	292,827
1994	54,736	5,586	60,322	31,535	14,288	12,279	3,877	8,212	1,709	13,798	9,921	71,899	132,221
1995	169,627	27,352	196,980	199,472	11,566	29,533	20,548	17,352	1,517	39,417	18,869	279,987	476,967
1997	419,741	87,105	506,846	305,035	509,846	255,350	63,731	5,171	23,159	92,061	28,330	1,162,292	1,669,138
1998	191,101	194,853	385,954	159,108	111,969	162,579	65,925	17,249	20,742	103,916	37,992	537,572	923,526
1999	156,851	53,643	210,494	147,108	63,828	44,318	68,665	14,373	4,272	87,310	18,645	342,565	553,059
2000	1,137,449	90,086	1,227,535	1,308,807	77,462	59,053	53,290	57,365	50,143	160,798	107,509	1,606,120	2,833,655
2001	574,418	225,111	799,529	570,792	191,079	207,001	86,737	29,564	31,821	148,122	61,385	1,116,994	1,916,523
2002	732,433	343,400	1,075,832	685,846	1,853,778	1,078,070	280,523	40,621	8,640	329,784	49,261	3,947,478	5,023,311
2003	25,199	240,133	265,331	3,168	41,275	91,790	106,903	25,048	7,990	139,941	33,038	276,174	541,505
2004	873,624	217,339	1,090,963	904,441	197,382	1,060,913	967,722	269,918	29,553	1,267,193	299,471	3,429,928	4,520,891
2005	2,119,050	132,958	2,252,008	2,167,351	291,157	163,501	242,803	77,768	24,802	345,373	102,570	2,967,383	5,219,391
2006	6,249,453	303,589	6,553,042	6,348,001	808,498	276,382	284,540	23,404	66,214	374,158	89,619	7,807,040	14,360,082
2007	2,404,530	177,376	2,581,906	2,320,990	1,640,664	300,376	64,073	16,935	29,032	110,040	45,967	4,372,070	6,953,976
2008	2,625,803	845,992	3,471,795	1,895,518	4,387,835	3,105,031	692,074	47,302	15,608	754,984	62,910	10,143,369	13,615,164
2009	641,098	2,351,472	2,992,570	518,911	3,988,126	5,837,952	2,186,302	246,209	6,390	2,438,901	252,599	12,783,890	15,776,460
2010	155,326	1,320,709	1,476,034	104,398	201,606	2,577,964	4,446,577	1,536,318	160,614	6,143,509	1,696,932	9,027,477	10,503,511
2011	263,486	608,557	872,043	209,430	18,004	190,084	1,786,290	1,133,316	512,436	3,432,042	1,645,752	3,849,560	4,721,602
2012	353,283	125,966	479,249	365,017	15,559	56,224	535,797	96,254	403,664	1,035,715	499,918	1,472,516	1,951,765
2013	4,567,299	15,424	4,582,723	5,308,251	107,269	37,241	330,401	8,879	211,760	551,040	220,639	6,003,802	10,586,524
2014	1,052,858	93,095	1,145,953	823,337	343,323	237,417	238,584	2,616	100,304	341,504	102,920	1,745,582	2,891,535
2015	592,546	304,572	897,118	533,125	228,922	246,961	232,180	17,734	49,795	299,709	67,529	1,308,717	2,205,835
2016	36,557	57,323	93,879	15,831	11,634	47,797	67,568	12,359	3,226	83,153	15,585	158,415	252,294
2017	2,831,199	105,849	2,937,048	3,011,883	116,509	51,003	44,763	8,558	0	53,321	8,558	3,232,716	6,169,764
2018	15,775,369	876,379	16,651,748	16,808,636	4,091,295	1,288,986	209,052	43,143	9,363	261,558	52,506	22,450,475	39,102,223

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Table 8.—Page 3 of 6.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
2019	4,267,942	2,243,054	6,510,996	3,932,165	9,892,796	2,263,088	501,885	14,424	3,469	519,778	17,892	16,607,826	23,118,823
2020	451,715	2,437,812	2,889,527	496,445	2,270,811	3,738,922	1,248,113	40,942	11,122	1,300,177	52,064	7,806,355	10,695,882
2021	365,917	790,522	1,156,439	314,569	132,446	1,616,695	2,953,043	203,869	25,506	3,182,418	229,376	5,246,128	6,402,567
2022	223,994	575,232	799,226	163,099	128,470	299,986	1,220,914	812,597	52,880	2,086,392	865,477	2,677,947	3,477,173
2023	1,455,131	357,165	1,812,299	1,502,149	85,508	99,493	249,251	119,120	73,141	441,512	192,260	2,128,659	3,940,958
2024	1,908,903	434,633	2,343,537	1,916,576	120,007	216,621	306,868	13,260	55,504	375,632	68,764	2,628,836	4,972,373
Chignik Bay													
1989	613,506	409,256	1,022,761	615,594	79,454	68,660	138,830	31,456	11,860	182,146	43,316	945,854	1,968,615
1990	1,418,148	419,124	1,837,273	1,130,312	97,172	130,239	441,451	81,206	79,195	601,852	160,400	1,959,574	3,796,847
1991	1,039,786	471,372	1,511,158	997,470	95,258	48,538	125,430	64,281	63,275	252,986	127,557	1,394,253	2,905,411
1992	1,147,423	321,991	1,469,414	1,305,272	91,362	69,122	34,071	0	14,828	48,899	14,828	1,514,656	2,984,069
1993	819,308	215,109	1,034,418	788,593	464,122	305,587	185,740	21,971	63,972	271,683	85,944	1,829,985	2,864,402
1994	235,111	135,207	370,318	71,972	520,572	513,603	142,814	28,348	33,209	204,371	61,558	1,310,519	1,680,837
1995	172,122	93,530	265,653	204,920	3,191	52,921	174,170	82,082	14,528	270,780	96,611	531,813	797,466
1996	1,000,292	128,231	1,128,523	987,388	34,908	44,492	248,261	263,749	72,372	584,382	336,120	1,651,168	2,779,691
1997	1,121,411	333,003	1,454,414	1,017,332	268,500	165,228	234,176	148,418	80,812	463,406	229,229	1,914,465	3,368,879
1998	422,380	623,094	1,045,474	287,692	185,897	240,856	226,855	45,157	91,621	363,633	136,778	1,078,078	2,123,552
1999	624,039	145,492	769,530	467,811	307,459	351,336	428,708	143,756	163,063	735,527	306,820	1,862,134	2,631,665
2000	3,090,770	427,122	3,517,891	2,763,800	1,617,600	782,372	540,226	223,265	192,684	956,175	415,948	6,119,947	9,637,838
2001	2,225,221	482,769	2,707,990	919,916	2,814,170	838,300	414,731	216,632	50,872	682,235	267,503	5,254,620	7,962,610
2002	242,478	562,250	804,728	109,642	410,471	975,819	606,376	79,224	359,085	1,044,685	438,309	2,540,617	3,345,345
2003	130,384	436,008	566,392	107,980	113,899	319,854	438,052	66,228	130,821	635,101	197,049	1,176,834	1,743,226
2004	933,540	567,526	1,501,066	839,543	359,307	264,081	554,113	286,165	173,186	1,013,464	459,350	2,476,395	3,977,461
2005	1,009,682	431,972	1,441,654	1,030,864	374,324	636,603	508,776	111,884	83,992	704,652	195,876	2,746,443	4,188,097
2006	1,887,652	419,403	2,307,055	2,570,999	186,324	230,915	353,628	63,156	91,936	508,720	155,092	3,496,958	5,804,013
2007	641,271	577,574	1,218,845	647,169	393,685	549,424	417,418	99,241	37,033	553,692	136,273	2,143,968	3,362,813
2008	1,313,008	413,796	1,726,804	1,013,914	809,334	897,853	658,792	138,788	46,082	843,662	184,870	3,564,763	5,291,567
2009	1,554,631	596,337	2,150,969	958,197	1,048,445	1,090,671	1,012,322	328,687	52,621	1,393,630	381,308	4,490,943	6,641,912
2010	336,408	592,908	929,316	356,471	345,048	817,928	1,424,161	760,962	729,925	2,915,048	1,490,887	4,434,496	5,363,812
2011	778,504	130,101	908,605	938,675	16,858	160,026	588,728	135,981	527,477	1,252,186	663,457	2,367,745	3,276,349
2012	969,321	125,869	1,095,189	1,111,301	15,111	36,033	198,015	57,890	185,256	441,161	243,146	1,603,606	2,698,796
2013	4,478,988	59,198	4,538,187	6,201,950	97,052	29,855	64,304	1,941	72,021	138,266	73,962	6,467,124	11,005,310
2014	1,961,754	124,532	2,086,286	2,216,447	421,835	141,608	22,945	0	16,530	39,475	16,530	2,819,365	4,905,650
2015	635,702	283,189	918,891	318,926	538,036	234,591	70,634	0	9,586	80,220	9,586	1,171,774	2,090,665

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Table 8.—Page 4 of 6.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
2016	122,989	255,345	378,335	147,021	25,075	305,086	214,133	10,445	5,007	229,585	15,452	706,767	1,085,102
2017	536,694	228,827	765,521	528,286	90,366	104,860	111,259	12,401	1,941	125,601	14,342	849,113	1,614,634
2018	5,033,386	548,657	5,582,042	4,484,716	711,864	574,550	423,686	35,936	3,622	463,244	39,559	6,234,375	11,816,417
2019	1,170,640	1,623,408	2,794,048	468,888	1,296,322	1,310,763	447,662	72,878	19,167	539,707	92,045	3,615,680	6,409,728
2020	458,153	1,318,794	1,776,947	516,694	205,495	563,510	511,534	21,434	12,806	545,774	34,240	1,831,474	3,608,421
2021	1,297,700	1,407,707	2,705,407	1,206,752	256,174	377,044	974,781	163,900	44,702	1,183,383	208,603	3,023,354	5,728,760
2022	237,029	819,099	1,056,128	218,414	149,717	429,351	613,908	103,389	93,398	810,695	196,787	1,608,178	2,664,306
2023	314,461	290,053	604,511	390,988	41,285	222,588	323,530	46,752	43,926	414,208	90,678	1,069,065	1,673,579
2024	3,052,723	707,134	3,759,857	3,308,285	177,234	203,989	400,815	115,410	36,228	552,454	151,638	4,241,963	8,001,819
Kujulik Bay													
1989	80,262	8,101	88,363	74,797	0	8,136	7,294	807	0	8,101	807	91,034	179,397
1990	211,653	40,612	252,265	217,288	807	5,400	4,506	807	0	5,313	807	228,807	481,072
1991	7,612	948	8,560	13,539	0	0	0	0	0	0	0	13,539	22,098
1992	107,864	18,988	126,852	129,191	760	760	3,038	0	1,519	4,557	1,519	135,267	262,119
1993	106,844	15,935	122,779	99,092	80,940	29,651	1,367	0	0	1,367	0	211,050	333,829
1994	7,560	3,190	10,750	8,976	7,258	4,943	6,462	0	2,279	8,741	2,279	29,917	40,667
1995	842	28,612	29,453	2,771	0	911	456	0	0	456	0	4,138	33,591
1996	227,174	7,595	234,769	184,465	0	0	0	0	0	0	0	184,465	419,234
1997	47,555	61,288	108,843	60,483	456	3,711	14,105	0	5,425	19,530	5,425	84,179	193,022
1998	38,311	15,190	53,501	37,074	0	2,279	3,798	0	760	4,558	760	43,910	97,410
1999	90,545	0	90,545	85,960	456	0	0	0	456	456	456	86,872	177,416
2000	212,545	949	213,494	253,014	1,297	0	0	0	0	0	0	254,311	467,805
2001	180,903	0	180,903	205,835	760	2,514	0	807	0	807	807	209,915	390,818
2002	15,600	844	16,444	16,058	6,049	7,555	3,376	844	0	4,220	844	33,882	50,325
2003	370,805	0	370,805	447,148	948	0	0	0	0	0	0	448,096	818,901
2004	294,154	0	294,154	341,301	9,538	2,279	949	0	0	949	0	354,067	648,221
2005	148,861	0	148,861	141,273	4,084	2,069	0	0	0	0	0	147,427	296,287
2006	514,996	948	515,944	802,688	1,801	842	0	0	0	0	0	805,330	1,321,274
2007	132,133	0	132,133	156,794	2,139	0	0	0	0	0	0	158,933	291,066
2008	397,500	3,085	400,585	420,056	9,358	8,233	26,431	9,606	456	36,493	10,062	474,140	874,725
2009	263,458	182,222	445,680	157,035	190,351	225,421	87,855	9,183	0	97,038	9,183	669,845	1,115,524
2010	44,190	120,885	165,075	29,489	82,910	287,032	304,547	31,861	1,519	337,927	33,380	737,357	902,432
2011	89,733	12,445	102,179	86,888	456	8,810	35,859	6,194	10,762	52,815	16,957	148,970	251,148
2012	164,365	32,264	196,628	195,608	3,038	7,373	25,146	0	9,114	34,260	9,114	240,279	436,907

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Table 8.—Page 5 of 6.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
2013	550,285	15,047	565,333	720,216	32,736	6,915	6,646	0	3,798	10,444	3,798	770,311	1,335,643
2014	298,364	4,296	302,660	246,208	15,054	4,342	2,641	0	1,519	4,160	1,519	269,764	572,424
2015	15,150	911	16,061	11,283	10,528	10,960	0	0	0	0	0	32,772	48,833
2016	0	3,646	3,646	1,789	911	1,367	456	0	0	456	0	4,524	8,169
2017	66,507	0	66,507	92,823	456	911	1,823	0	0	1,823	0	96,013	162,520
2018	1,021,948	0	1,021,948	469,555	790,357	41,287	5,898	0	0	5,898	0	1,307,097	2,329,045
2019	23,361	0	23,361	27,898	1,297	807	0	0	0	0	0	30,002	53,362
2020	142,146	6,822	148,968	138,690	68,180	24,710	7,521	1,074	0	8,595	1,074	240,175	389,143
2021	123,434	0	123,434	167,909	3,074	2,057	0	0	0	0	0	173,040	296,474
2022	38,014	68,704	106,717	21,832	91,817	56,759	2,504	0	0	2,504	0	172,912	279,630
2023	24,507	3,583	28,090	36,382	0	1,433	1,433	0	717	2,150	717	39,964	68,053
2024	79,239	10,528	89,767	91,389	9,475	6,918	8,573	1,805	0	10,377	1,805	118,159	207,926
CHIGNIK DISTRICT TOTALS													
1989	1,913,480	1,734,782	3,648,262	1,975,832	443,928	1,449,675	1,069,235	262,056	94,983	1,426,274	357,040	5,295,709	8,943,970
1990	3,318,980	795,266	4,114,246	3,005,302	294,802	439,613	1,078,769	254,371	167,212	1,500,351	421,583	5,240,069	9,354,315
1991	2,898,505	1,060,801	3,959,306	2,800,862	294,642	187,470	351,278	224,778	152,029	728,085	376,807	4,011,060	7,970,366
1992	2,705,685	866,262	3,571,947	2,837,143	281,008	192,081	120,652	34,038	50,515	205,204	84,552	3,515,436	7,087,383
1993	1,590,934	451,662	2,042,596	1,384,489	1,057,893	621,779	349,101	64,648	160,493	574,241	225,141	3,638,402	5,680,998
1994	457,190	290,372	747,562	175,131	782,739	776,238	275,977	70,407	78,736	425,119	149,143	2,159,227	2,906,789
1995	678,257	308,040	986,296	812,594	34,610	163,167	460,752	244,958	41,033	746,743	285,991	1,757,115	2,743,411
1996	3,158,805	358,444	3,517,249	3,025,923	194,273	136,536	681,536	733,833	193,732	1,609,101	927,565	4,965,833	8,483,082
1997	2,671,892	801,986	3,473,878	2,197,801	1,644,851	896,072	646,836	344,643	222,043	1,213,522	566,686	5,952,244	9,426,122
1998	1,122,526	1,460,024	2,582,549	803,997	591,365	766,259	543,916	120,232	211,272	875,420	331,504	3,037,041	5,619,590
1999	1,377,521	314,802	1,692,323	1,076,391	705,275	764,703	963,202	333,793	342,069	1,639,063	675,862	4,185,433	5,877,756
2000	8,010,616	1,031,556	9,042,172	7,377,073	3,582,946	1,791,205	1,254,444	587,988	494,858	2,337,289	1,082,846	15,088,513	24,130,685
2001	6,206,102	1,364,465	7,570,567	3,208,506	6,452,090	2,102,389	1,038,791	495,546	169,734	1,704,071	665,280	13,467,056	21,037,623
2002	1,303,917	989,644	2,293,560	940,532	2,732,250	2,492,695	1,031,475	129,759	398,652	1,559,886	528,411	7,725,363	10,018,924
2003	757,853	910,174	1,668,027	710,029	715,149	1,089,366	937,609	117,153	187,357	1,242,119	304,509	3,756,663	5,424,690
2004	2,198,764	1,325,995	3,524,759	2,184,807	613,708	1,604,750	1,934,742	668,801	259,527	2,863,071	928,329	7,266,337	10,791,096
2005	3,617,298	1,463,081	5,080,379	3,834,550	709,923	886,094	970,247	246,561	160,448	1,377,257	407,010	6,807,825	11,888,204
2006	14,029,377	1,048,996	15,078,373	16,449,702	2,142,160	597,259	832,721	142,127	323,073	1,297,920	465,199	20,487,042	35,565,414
2007	5,564,632	1,463,121	7,027,753	5,409,503	4,184,927	1,584,832	628,881	128,248	98,721	855,850	226,969	12,035,112	19,062,865
2008	5,560,221	2,139,686	7,699,907	3,938,847	6,816,255	5,165,520	1,664,353	220,833	83,177	1,968,363	304,010	17,888,985	25,588,892

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Table 8.—Page 6 of 6.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
2009	2,496,437	4,112,240	6,608,678	1,680,658	5,517,526	8,253,936	4,297,648	630,720	93,022	5,021,390	723,742	20,473,509	27,082,187
2010	545,460	2,413,529	2,958,989	504,639	639,616	3,863,392	7,022,755	2,637,005	1,071,339	10,731,099	3,708,344	15,738,746	18,697,735
2011	1,230,934	888,452	2,119,386	1,354,785	35,317	387,050	2,724,049	1,504,152	1,300,995	5,529,196	2,805,147	7,306,348	9,425,734
2012	1,607,585	321,059	1,928,644	1,823,496	36,939	106,931	812,208	160,980	620,750	1,593,938	781,731	3,561,305	5,489,948
2013	11,595,093	222,780	11,817,873	14,588,120	261,816	89,849	853,645	11,252	739,173	1,604,069	750,425	16,543,854	28,361,727
2014	3,519,335	288,709	3,808,044	3,434,350	950,422	589,392	951,393	2,616	855,134	1,809,143	857,750	6,783,306	10,591,350
2015	1,930,540	1,840,091	3,770,631	1,139,537	1,316,572	943,470	763,371	39,437	280,090	1,082,898	319,527	4,482,477	8,253,108
2016	175,496	335,462	510,958	170,432	58,363	669,110	552,462	47,135	8,861	608,458	55,997	1,506,364	2,017,322
2017	3,795,533	687,006	4,482,539	3,995,310	244,742	206,679	254,713	66,443	9,811	330,967	76,254	4,777,698	9,260,237
2018	22,687,326	1,497,832	24,185,158	22,615,851	5,713,161	1,940,834	672,717	89,921	16,064	778,703	105,985	31,048,548	55,233,706
2019	6,380,558	5,266,293	11,646,851	4,758,157	12,564,458	4,108,220	1,048,482	88,282	23,602	1,160,365	111,883	22,591,200	34,238,051
2020	1,468,544	4,143,481	5,612,025	1,422,843	3,030,528	5,280,689	2,225,156	66,513	25,174	2,316,843	91,687	12,050,902	17,662,927
2021	1,980,109	2,389,400	4,369,509	1,851,549	503,301	2,224,197	4,509,298	423,236	94,018	5,026,553	517,254	9,605,600	13,975,109
2022	578,251	1,764,356	2,342,608	487,698	399,819	862,496	2,071,467	1,004,919	171,066	3,247,452	1,175,985	4,997,465	7,340,073
2023	1,940,261	929,369	2,869,630	2,089,567	136,075	340,852	599,972	183,342	124,682	907,997	308,024	3,474,491	6,344,121
2024	5,624,046	1,164,974	6,789,020	5,984,116	316,974	430,396	729,670	132,198	91,731	953,600	223,929	7,685,086	14,474,106

Note: CW = carapace width.

Table 9.—Predominant species by weight in the South Peninsula Tanner crab District large-mesh bottom trawl survey, 2024.

Common name	Species name	% of catch by weight
Flathead sole	<i>Hippoglossoides elassodon</i>	25.0
Arrowtooth flounder	<i>Atheresthes stomias</i>	19.2
Walleye pollock	<i>Gadus chalcogrammus</i>	13.5
Yellowfin sole	<i>Limanda aspera</i>	13.3
Starry flounder	<i>Platichthys stellatus</i>	4.1
Tanner crab	<i>Chionoecetes bairdi</i>	3.5
Pacific cod	<i>Gadus macrocephalus</i>	2.7
Purple-orange seastar	<i>Asterias amurensis</i>	2.7
Anemone	Order: Actinaria	2.0
Alaska plaice	<i>Pleuronectes quadrituberculatus</i>	2.0
Big skate	<i>Beringraja binoculata</i>	1.8
Northern rock sole	<i>Lepidopsetta polyxystra</i>	1.4
Pacific halibut	<i>Hippoglossus stenolepis</i>	1.3
English sole	<i>Parophrys vetulus</i>	1.0
Plain sculpin	<i>Myoxocephalus jaok</i>	0.7
Dungeness crab	<i>Metacarcinus magister</i>	0.5
Sunflower seastar	<i>Pycnopodia helianthoides</i>	0.4
Jellyfish	Class: Schyphozoa	0.4
Common mud star	<i>Ctenodiscus crispatus</i>	0.4
Great sculpin	<i>Myoxocephalus polyacanthocephalus</i>	0.4
All others	(72 species)	3.9
Total		100.0

Table 10.—Tanner crab abundance estimates from large-mesh bottom trawl surveys in the South Peninsula District, 1988–2024.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
Sanak Island													
1989	1,071,609	116,990	1,188,599	1,159,769	23,924	31,519	64,965	6,836	0	71,801	6,836	1,287,012	2,475,612
1990	613,067	104,693	717,759	461,081	84,247	54,275	24,945	0	0	24,945	0	624,549	1,342,308
1991	502,734	30,289	533,023	515,059	33,734	40,658	0	0	0	0	0	589,451	1,122,474
1992	381,603	45,333	426,936	298,380	51,666	50,677	3,798	0	0	3,798	0	404,520	831,457
1993	302,560	16,821	319,382	238,481	28,992	33,298	9,219	0	0	9,219	0	309,990	629,372
1994	85,509	68,742	154,251	107,676	12,902	17,780	19,823	0	0	19,823	0	158,181	312,432
1996	554,162	132,998	687,159	416,750	52,697	28,958	35,078	0	0	35,078	0	533,483	1,220,643
1997	103,035	51,367	154,402	76,796	72,742	36,436	16,670	0	0	16,670	0	202,644	357,046
1998	279,449	401,218	680,667	377,228	81,490	124,402	63,941	0	0	63,941	0	647,061	1,327,728
1999	82,986	93,707	176,693	52,687	5,043	42,386	20,007	0	0	20,007	0	120,123	296,816
2000	578,288	183,974	762,262	546,296	59,136	93,362	32,780	0	2,522	35,302	2,522	734,096	1,496,358
2001	888,598	128,542	1,017,141	770,476	56,030	82,059	114,929	5,043	0	119,972	5,043	1,028,538	2,045,678
2002	723,328	1,012,099	1,735,427	714,685	270,911	220,390	103,390	0	10,807	114,197	10,807	1,320,182	3,055,610
2003	217,863	303,284	521,146	196,525	71,366	179,500	109,312	0	10,086	119,398	10,086	566,789	1,087,935
2004	710,373	200,465	910,838	648,111	100,068	55,618	6,674	0	0	6,674	0	810,472	1,721,310
2005	254,559	129,049	383,608	215,625	85,684	59,374	0	0	0	0	0	360,683	744,290
2006	3,111,151	64,327	3,175,478	2,873,715	58,343	80,352	16,973	0	0	16,973	0	3,029,383	6,204,861
2007	3,781,814	1,664,525	5,446,339	3,667,268	664,269	240,298	96,672	0	0	96,672	0	4,668,507	10,114,846
2008	191,877	1,816,432	2,008,309	843,241	1,791,587	322,363	33,687	0	0	33,687	0	2,990,878	4,999,187
2009	77,006	660,484	737,490	96,352	193,365	216,739	56,268	16,437	1,925	74,630	18,363	581,086	1,318,576
2010	172,832	561,272	734,104	187,437	15,875	160,097	574,127	1,007,317	139,894	1,721,338	1,147,211	2,084,748	2,818,852
2011	142,196	471,130	613,326	161,882	8,613	43,720	260,977	5,767	298,893	565,637	304,659	779,851	1,393,177
2012	94,341	9,249	103,590	100,182	8,579	7,003	75,272	0	175,433	250,705	175,433	366,468	470,058
2013	641,635	17,463	659,098	599,844	27,665	12,646	14,748	0	22,781	37,529	22,781	677,683	1,336,781
2014	447,197	78,897	526,094	483,931	37,252	24,501	46,009	0	68,114	114,123	68,114	659,806	1,185,900
2015	529,810	4,883	534,692	470,803	57,119	28,274	1,631	0	816	2,447	816	558,643	1,093,335
2016	58,959	4,747	63,706	79,259	22,546	0	0	0	0	0	0	101,805	165,512
2017	593,897	6,198	600,094	612,081	39,912	39,602	0	0	0	0	0	691,595	1,291,689
2018	2,114,936	107,904	2,222,840	1,652,383	473,955	69,430	34,588	0	0	34,588	0	2,230,355	4,453,195
2019	1,010,069	220,458	1,230,527	857,223	265,633	137,646	10,584	1,020	0	11,604	1,020	1,272,106	2,502,632
2020	480,940	120,542	601,482	518,940	291,276	299,541	205,853	0	0	205,853	0	1,315,610	1,917,092
2021	230,801	6,304	237,105	203,559	40,309	39,849	28,572	4,306	0	32,878	4,306	316,596	553,700
2022	200,502	23,846	224,349	234,678	29,594	79,816	61,820	0	3,152	64,971	3,152	409,059	633,408

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Table 10.—Page 2 of 11.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
2023							<i>not surveyed</i>						
2024	222,143	20,133	242,275	275,359	116,400	79,803	14,163	7,215	5,043	26,421	12,258	497,983	740,259
Morzhovoi Bay													
1988	382,206	212,084	594,291	195,178	217,394	182,048	143,394	71,941	27,350	242,685	99,291	837,305	1,431,595
1989	2,898,601	659,633	3,558,233	2,317,305	1,112,697	367,325	105,349	33,216	3,911	142,476	37,127	3,939,804	7,498,038
1990	1,745,998	997,514	2,743,512	1,169,789	600,711	537,516	191,160	25,710	25,560	242,430	51,269	2,550,446	5,293,958
1991	1,493,738	456,656	1,950,395	1,138,384	403,856	204,545	55,914	15,385	4,074	75,373	19,460	1,822,159	3,772,553
1992	323,084	809,981	1,133,065	167,607	433,648	261,761	190,081	31,094	21,875	243,050	52,969	1,106,066	2,239,131
1993	63,293	529,883	593,175	15,596	143,884	366,655	348,442	59,792	64,414	472,648	124,207	998,784	1,591,960
1994	35,472	238,093	273,564	7,065	52,802	112,947	185,344	6,269	47,526	239,139	53,795	411,953	685,517
1996	145,352	102,800	248,152	130,752	21,463	13,587	49,609	5,696	29,549	84,854	35,245	250,657	498,809
1997	131,871	85,797	217,668	83,771	77,862	61,126	35,003	6,646	8,900	50,549	15,546	273,308	490,975
1998	804,875	1,648,764	2,453,639	282,155	1,106,788	1,344,155	308,876	38,464	68,353	415,693	106,818	3,148,792	5,602,431
1999	147,627	461,834	609,461	39,876	282,204	530,116	727,677	59,884	57,239	844,800	117,122	1,696,995	2,306,456
2000	695,218	735,206	1,430,424	611,299	148,105	365,675	700,497	440,736	97,987	1,239,220	538,723	2,364,299	3,794,723
2001	891,010	282,221	1,173,231	559,249	789,124	193,152	218,954	184,925	115,104	518,983	300,028	2,060,508	3,233,739
2002	1,732,791	640,180	2,372,972	1,112,633	1,168,992	669,114	278,842	39,824	142,365	461,031	182,188	3,411,769	5,784,741
2003	522,858	1,582,660	2,105,517	110,580	1,265,914	845,213	402,012	38,984	99,107	540,103	138,091	2,761,809	4,867,326
2004	310,275	1,604,401	1,914,676	263,682	181,095	1,486,505	2,308,993	261,101	169,424	2,739,518	430,525	4,670,800	6,585,476
2005	435,187	3,632,209	4,067,395	364,056	169,121	374,197	1,292,309	490,054	203,090	1,985,453	693,143	2,892,827	6,960,223
2006	14,323,766	2,042,063	16,365,829	13,739,047	503,205	279,129	1,012,894	258,921	272,397	1,544,212	531,318	16,065,594	32,431,423
2007	10,730,002	1,910,978	12,640,979	7,072,510	6,303,262	1,719,698	2,146,565	509,959	233,030	2,889,554	742,989	17,985,024	30,626,004
2008	3,406,468	11,254,260	14,660,728	909,474	5,521,111	12,297,310	1,914,509	762,051	240,074	2,916,634	1,002,124	21,644,527	36,305,255
2009	262,476	2,399,536	2,662,012	153,194	526,885	3,968,440	7,748,391	356,468	22,421	8,127,280	378,890	12,775,800	15,437,812
2010	52,611	2,515,796	2,568,407	46,002	19,241	291,832	2,396,564	4,905,565	312,421	7,614,550	5,217,986	7,971,625	10,540,032
2011	227,541	1,278,770	1,506,311	241,052	6,444	77,932	794,013	1,334,213	1,963,573	4,091,799	3,297,786	4,417,229	5,923,540
2012	263,885	750,827	1,014,712	230,587	28,624	19,775	362,298	73,213	1,262,561	1,698,072	1,335,774	1,977,057	2,991,769
2013	4,566,777	134,518	4,701,295	4,986,701	223,637	41,648	90,395	1,938	559,230	651,563	561,168	5,903,548	10,604,843
2014	2,590,660	1,654,501	4,245,162	1,269,606	885,665	843,606	820,593	0	1,204,751	2,025,344	1,204,751	5,024,221	9,269,382
2015	1,361,811	2,089,782	3,451,593	203,591	2,008,982	3,169,705	1,136,257	151,603	128,451	1,416,311	280,054	6,798,590	10,250,183
2016	104,920	2,566,146	2,671,067	59,883	118,343	1,178,684	2,248,925	103,907	335,478	2,688,310	439,386	4,045,220	6,716,287
2017	91,849	359,370	451,219	84,656	5,418	153,358	559,555	44,088	37,336	640,979	81,424	884,411	1,335,630
2018	2,759,489	633,829	3,393,318	1,907,093	282,470	329,193	612,292	130,682	45,032	788,006	175,713	3,306,761	6,700,080
2019	3,209,369	1,025,348	4,234,716	1,318,083	3,227,248	758,263	812,677	10,978	254,657	1,078,312	265,634	6,381,906	10,616,622
2020	2,915,898	6,489,757	9,405,656	1,226,128	1,650,745	3,460,555	1,146,979	26,536	34,042	1,207,557	60,579	7,544,986	16,950,642

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Table 10.—Page 3 of 11.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
2021	256,658	1,482,005	1,738,663	80,268	252,405	1,409,072	6,420,471	844,703	22,346	7,287,520	867,049	9,029,265	10,767,928
2022	19,685	1,710,136	1,729,821	28,106	55,713	225,389	2,569,492	1,371,942	463,879	4,405,313	1,835,821	4,714,521	6,444,342
2023	149,076	858,730	1,007,807	165,317	12,336	51,236	546,924	76,175	560,536	1,183,635	636,711	1,412,525	2,420,331
2024	126,920	454,792	581,712	145,222	8,931	70,394	549,857	51,821	814,507	1,416,185	866,328	1,640,732	2,222,444
Cold Bay/Belkofski Bay													
1988	154,528	174,185	328,712	78,697	140,498	144,950	114,498	42,134	21,632	178,264	63,765	542,408	871,121
1989	270,772	45,664	316,437	264,605	24,217	22,372	12,573	4,097	595	17,265	4,692	328,459	644,896
1990	1,673,769	740,975	2,414,745	1,373,630	520,032	306,855	262,988	102,353	65,056	430,397	167,408	2,630,913	5,045,657
1991	470,501	642,245	1,112,746	500,470	132,802	247,217	494,518	77,979	152,967	725,464	230,946	1,605,952	2,718,698
1992	170,387	180,121	350,509	86,414	106,564	96,957	147,230	40,119	41,840	229,189	81,958	519,125	869,634
1993	95,571	277,803	373,374	63,082	85,425	159,343	145,874	36,568	22,785	205,227	59,353	513,076	886,450
1994	92,565	227,474	320,040	27,663	53,392	64,267	78,254	27,579	10,288	116,121	37,867	261,444	581,483
1996	327,368	15,586	342,955	258,965	59,794	38,484	31,147	24,510	3,199	58,856	27,709	416,098	759,053
1997	92,334	12,418	104,752	38,372	58,863	90,892	81,128	37,536	1,378	120,042	38,914	308,168	412,921
1998	384,885	154,914	539,799	113,933	289,248	352,476	183,679	49,039	26,042	258,760	75,081	1,014,417	1,554,216
1999	111,645	80,923	192,568	61,223	59,310	262,550	295,350	64,491	26,794	386,635	91,284	769,716	962,284
2000	455,240	221,578	676,818	550,631	107,735	284,006	327,965	198,169	19,199	545,333	217,369	1,487,705	2,164,524
2001	979,409	68,623	1,048,032	857,965	153,480	160,450	166,003	100,175	19,893	286,071	120,068	1,457,966	2,505,998
2002	949,717	273,704	1,223,420	502,630	464,037	321,097	218,041	60,958	104,971	383,970	165,929	1,671,734	2,895,154
2003	490,346	254,238	744,584	260,285	322,598	319,390	82,439	0	10,855	93,294	10,855	995,567	1,740,152
2004	623,516	134,041	757,557	425,450	330,654	398,480	192,332	22,874	2,531	217,737	25,405	1,372,321	2,129,878
2005	992,894	218,679	1,211,573	710,074	296,590	278,636	179,920	22,574	16,203	218,697	38,778	1,503,998	2,715,571
2006	2,648,711	420,921	3,069,632	2,061,236	466,729	562,538	233,995	27,671	13,589	275,255	41,261	3,365,760	6,435,391
2007	3,845,192	1,360,194	5,205,387	894,931	1,862,982	740,359	364,053	39,921	869	404,843	40,790	3,903,114	9,108,501
2008	1,007,954	3,859,704	4,867,658	185,436	2,091,727	3,977,519	1,144,766	95,257	86,475	1,326,498	181,732	7,581,181	12,448,838
2009	763,603	1,306,810	2,070,413	420,556	263,320	788,006	3,184,681	348,428	43,108	3,576,217	391,536	5,048,099	7,118,513
2010	268,382	2,653,859	2,922,241	229,932	77,078	369,306	1,525,723	1,374,299	362,925	3,262,947	1,737,225	3,939,264	6,861,505
2011	480,532	945,794	1,426,326	433,755	59,300	82,407	449,026	69,628	798,319	1,316,973	867,948	1,892,436	3,318,762
2012	343,294	171,848	515,142	395,748	85,499	160,419	177,456	19,926	196,032	393,414	215,957	1,035,080	1,550,223
2013	3,185,469	43,766	3,229,235	3,062,065	198,282	35,673	94,160	70,339	78,183	242,682	148,522	3,538,702	6,767,937
2014	839,929	109,253	949,182	799,959	456,296	195,183	82,194	3,471	76,107	161,772	79,578	1,613,210	2,562,392
2015	384,938	372,632	757,570	110,552	412,098	496,242	246,184	15,326	58,232	319,742	73,559	1,338,635	2,096,205
2016	31,557	678,225	709,782	35,536	79,012	502,974	634,564	10,191	87,515	732,270	97,707	1,349,793	2,059,575
2017	21,177	44,902	66,079	27,712	10,329	39,475	71,536	16,704	3,846	92,086	20,550	169,602	235,681
2018	8,871,246	51,172	8,922,418	7,418,348	27,752	61,031	63,577	3,205	10,031	76,813	13,236	7,583,943	16,506,360

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Table 10.—Page 4 of 11.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
2019	8,939,526	4,415,377	13,354,903	4,456,219	4,558,343	924,114	100,239	1,073	22,723	124,035	23,797	10,062,711	23,417,614
2020	4,632,877	5,076,990	9,709,867	1,439,755	4,257,966	5,288,775	1,643,353	0	1,484	1,644,837	1,484	12,631,334	22,341,201
2021	257,122	1,817,601	2,074,724	159,063	502,053	2,784,458	2,060,154	41,714	4,184	2,106,052	45,898	5,551,626	7,626,350
2022	78,561	263,756	342,317	45,125	47,249	356,776	1,171,959	248,029	31,855	1,451,843	279,884	1,900,994	2,243,310
2023	127,679	437,162	564,841	98,886	40,838	150,698	593,518	54,154	167,398	815,070	221,552	1,105,491	1,670,335
2024	125,343	136,004	261,347	75,011	58,368	77,212	344,325	10,549	181,615	536,489	192,164	747,080	1,008,427
Pavlof Bay/Volcano Bay													
1988	313,566	549,017	862,583	268,008	153,755	401,397	347,799	165,432	116,559	629,790	281,991	1,452,951	2,315,534
1989	637,409	1,352,253	1,989,661	451,722	342,817	239,718	283,577	71,474	58,155	413,206	129,630	1,447,464	3,437,126
1990	958,806	1,847,616	2,806,422	763,433	427,831	441,605	259,272	53,750	112,433	425,455	166,184	2,058,325	4,864,746
1991	393,784	435,464	829,248	351,694	69,141	209,085	196,453	40,770	72,496	309,719	113,267	939,640	1,768,888
1992	144,427	141,322	285,749	49,940	122,383	80,050	108,928	31,222	16,794	156,944	48,016	409,317	695,066
1993	108,728	157,077	265,805	63,795	136,919	407,181	195,380	36,763	25,929	258,072	62,692	865,968	1,131,773
1994	45,494	87,265	132,759	23,807	55,670	91,830	145,799	55,073	27,928	228,800	83,001	400,106	532,865
1996	285,703	50,315	336,018	273,085	48,101	31,696	57,705	15,830	10,740	84,275	26,569	437,156	773,174
1997	67,288	68,916	136,205	33,930	52,206	88,237	54,524	5,677	31,557	91,758	37,234	266,130	402,335
1998	121,884	169,032	290,916	33,562	182,199	331,302	410,735	8,552	56,213	475,500	64,765	1,022,562	1,313,478
1999	43,986	75,716	119,702	39,180	36,755	103,570	111,380	78,715	9,462	199,557	88,177	379,062	498,764
2000	1,205,702	228,029	1,433,731	1,050,158	227,837	148,488	243,698	92,282	28,648	364,628	120,930	1,791,111	3,224,843
2001	628,232	214,597	842,829	365,285	333,556	231,300	146,123	42,690	29,798	218,611	72,488	1,148,751	1,991,581
2002	1,145,467	397,083	1,542,551	1,084,568	369,826	548,561	416,735	45,909	44,851	507,495	90,761	2,510,451	4,053,001
2003	177,293	256,191	433,483	125,160	189,688	315,450	333,705	43,423	80,899	458,027	124,322	1,088,325	1,521,808
2004	250,941	309,147	560,089	223,878	96,000	532,338	392,736	104,081	111,330	608,147	215,411	1,460,363	2,020,451
2005	1,049,524	324,603	1,374,127	965,782	331,121	299,427	411,376	30,701	75,657	517,734	106,357	2,114,064	3,488,192
2006	3,242,500	318,585	3,561,085	3,175,655	685,077	362,260	229,241	27,509	55,737	312,487	83,246	4,535,479	8,096,564
2007	1,541,678	761,402	2,303,080	1,078,924	1,384,185	972,682	560,981	68,765	65,665	695,411	134,430	4,131,203	6,434,283
2008	1,906,206	2,095,001	4,001,207	495,037	3,165,631	2,608,310	1,628,468	318,411	27,823	1,974,702	346,233	8,243,680	12,244,887
2009	1,284,163	2,545,455	3,829,618	921,323	885,708	3,142,115	4,979,100	1,266,474	177,003	6,422,577	1,443,478	11,371,724	15,201,342
2010	603,453	1,323,816	1,927,269	471,609	386,789	627,222	2,287,170	1,729,591	607,602	4,624,363	2,337,193	6,109,983	8,037,252
2011	359,196	539,768	898,964	365,824	180,737	179,175	752,977	179,119	1,116,602	2,048,698	1,295,721	2,774,434	3,673,398
2012	505,467	325,240	830,707	530,227	53,420	216,839	428,058	37,003	543,757	1,008,818	580,760	1,809,304	2,640,010
2013	5,608,995	268,530	5,877,525	6,186,882	787,491	124,511	173,997	45,116	113,486	332,599	158,602	7,431,483	13,309,008
2014	1,360,577	329,690	1,690,267	984,613	1,128,252	681,616	248,743	28,556	175,864	453,163	204,420	3,247,644	4,937,911
2015	144,688	375,842	520,530	100,973	520,217	1,266,835	709,500	36,784	39,731	786,015	76,514	2,674,039	3,194,569
2016	195,213	191,069	386,282	230,037	50,024	419,440	628,571	57,156	136,384	822,111	193,539	1,521,612	1,907,894

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Table 10.—Page 5 of 11.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
2017	226,748	122,155	348,903	200,519	53,196	78,010	128,452	20,457	13,644	162,553	34,101	494,278	843,181
2018	4,623,631	240,759	4,864,390	4,412,957	237,177	220,631	180,636	12,233	18,223	211,092	30,456	5,081,857	9,946,247
2019	5,351,978	2,198,880	7,550,859	4,700,430	3,969,188	1,278,596	292,585	32,153	16,737	341,475	48,889	10,289,688	17,840,547
2020	2,925,145	2,969,081	5,894,226	1,587,376	4,081,461	3,929,040	1,202,034	73,791	50,804	1,326,629	124,595	10,924,506	16,818,732
2021	768,297	984,479	1,752,776	547,555	1,150,176	2,189,944	3,285,249	640,614	83,531	4,009,394	724,145	7,897,070	9,649,845
2022	624,338	1,390,680	2,015,018	504,246	425,422	982,217	1,848,373	1,106,234	113,867	3,068,474	1,220,100	4,980,358	6,995,376
2023	250,357	798,320	1,048,673	148,982	321,797	409,688	946,129	428,401	429,915	1,804,445	858,314	2,684,909	3,733,582
2024	241,896	763,420	1,005,316	237,551	162,714	418,521	676,591	81,579	379,948	1,138,118	461,528	1,956,905	2,962,221
Beaver Bay/Balboa Bay/Unga Strait													
1988	84,044	55,859	139,903	66,547	56,280	38,238	21,210	5,084	11,617	37,911	16,701	198,976	338,879
1989	154,128	245,352	399,480	160,920	54,874	50,883	34,036	0	5,072	39,108	5,072	305,785	705,266
1990	394,474	480,919	875,393	400,104	37,363	155,377	93,314	16,311	6,615	116,240	22,926	709,084	1,584,478
1991	354,669	188,534	543,203	332,197	35,106	59,938	51,440	5,013	3,073	59,526	8,086	486,766	1,029,969
1992	96,614	130,297	226,911	104,388	30,477	47,470	20,585	2,509	2,026	25,120	4,536	207,457	434,368
1993	18,739	43,104	61,843	29,917	9,532	31,285	33,350	3,164	4,361	40,875	7,525	111,609	173,452
1994	10,056	31,136	41,193	10,846	4,361	11,237	24,652	2,254	5,845	32,751	8,100	59,195	100,388
1996	821,169	5,040	826,209	859,653	15,533	10,706	10,286	715	368	11,369	1,083	897,261	1,723,470
1997	121,975	40,475	162,450	99,344	73,182	18,189	6,765	0	1,946	8,711	1,946	199,425	361,876
1998	125,992	81,699	207,691	93,260	39,343	56,276	4,983	0	0	4,983	0	193,862	401,554
1999	34,813	72,131	106,944	79,532	10,811	41,261	31,840	860	0	32,700	860	164,303	271,247
2000	447,951	37,324	485,275	429,730	6,818	23,242	22,112	1,356	1,356	24,824	2,713	484,615	969,890
2001	896,875	78,421	975,296	954,488	72,153	18,401	9,565	0	0	9,565	0	1,054,607	2,029,903
2002	647,596	316,782	964,378	568,732	679,101	354,635	36,225	0	13,518	49,743	13,518	1,652,211	2,616,589
2003	83,251	252,020	335,271	38,327	121,196	246,506	135,913	7,971	9,653	153,537	17,625	559,567	894,837
2004	314,552	203,840	518,392	324,493	108,694	181,829	145,099	37,897	4,525	187,521	42,422	802,537	1,320,929
2005	2,047,453	151,547	2,199,000	2,598,215	88,384	50,776	64,770	12,483	0	77,253	12,483	2,814,628	5,013,628
2006	3,798,944	1,083,098	4,882,042	2,627,015	2,261,311	980,257	401,123	8,703	42,734	452,560	51,437	6,321,143	11,203,185
2007	631,938	1,393,871	2,025,809	565,420	1,747,628	1,405,074	476,953	25,174	4,028	506,155	29,202	4,224,278	6,250,086
2008	776,166	2,648,413	3,424,580	403,009	1,904,232	2,241,742	1,142,965	143,383	5,737	1,292,085	149,119	5,841,068	9,265,648
2009	412,151	2,088,703	2,500,854	284,978	546,196	1,115,453	1,391,498	752,535	104,114	2,248,147	856,649	4,194,774	6,695,628
2010	80,824	693,397	774,221	48,375	61,533	209,207	316,332	79,125	107,567	503,024	186,692	822,140	1,596,361
2011	135,534	328,380	463,914	121,775	19,910	80,312	294,278	21,796	157,642	473,716	179,438	695,712	1,159,626
2012	126,129	132,347	258,477	157,310	1,634	44,081	394,935	8,371	259,846	663,152	268,217	866,178	1,124,655
2013	1,870,044	112,796	1,982,840	1,710,549	57,369	23,485	47,763	0	12,589	60,352	12,589	1,851,756	3,834,596
2014	439,347	95,103	534,450	256,516	452,474	165,787	100,687	0	49,409	150,096	49,409	1,024,873	1,559,323

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Table 10.—Page 6 of 11.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
2015	82,816	256,948	339,764	83,472	126,343	299,302	143,031	0	49,261	192,292	49,261	701,409	1,041,173
2016	58,376	99,710	158,086	68,857	12,822	65,335	33,342	5,151	1,551	40,044	6,702	187,057	345,143
2017	210,858	26,019	236,877	234,593	17,150	22,173	22,888	1,513	949	25,350	2,462	299,266	536,143
2018	1,909,629	65,783	1,975,412	1,995,087	88,717	22,389	8,278	0	0	8,278	0	2,114,471	4,089,883
2019	875,967	274,278	1,150,245	1,031,878	924,728	305,477	55,363	0	1,583	56,946	1,583	2,319,028	3,469,273
2020	449,133	1,000,737	1,449,870	584,359	287,258	462,464	133,014	3,798	17,179	153,991	20,977	1,488,072	2,937,942
2021	168,230	89,062	257,292	130,864	43,130	60,854	43,515	949	0	44,464	949	279,313	536,605
2022	341,885	96,751	438,636	290,898	56,792	105,705	50,866	0	2,848	53,714	2,848	507,108	945,744
2023	869,813	172,516	1,042,328	953,227	71,094	103,916	63,334	0	17,477	80,811	17,477	1,209,052	2,251,379
2024	984,582	343,414	1,327,996	968,877	168,936	318,914	219,803	0	97,453	317,256	97,453	1,773,982	3,101,978
West Nagai Strait													
1989	250,283	193,215	443,498	291,460	134,656	68,629	23,042	1,859	5,184	30,085	7,044	524,830	968,328
1990	221,905	36,745	258,649	227,456	16,931	17,328	5,672	0	908	6,580	908	268,295	526,944
1991	209,316	22,390	231,706	232,608	5,312	5,312	15,936	3,813	0	19,749	3,813	262,981	494,688
1992	24,425	31,725	56,149	13,306	8,214	18,231	7,953	0	3,165	11,118	3,165	50,869	107,019
1993	19,405	4,835	24,240	15,942	9,601	74,295	14,797	908	0	15,705	908	115,543	139,783
1994	20,348	24,860	45,208	8,270	24,513	29,968	27,083	8,468	0	35,551	8,468	98,302	143,510
1996	48,279	4,706	52,985	38,903	7,431	16,597	20,148	0	908	21,056	908	83,987	136,972
1997	333,027	263,581	596,609	180,058	292,164	173,198	25,182	0	4,706	29,888	4,706	675,308	1,271,916
1998	84,814	122,947	207,761	35,755	106,723	175,190	58,731	3,564	908	63,203	4,473	380,872	588,633
1999	58,649	24,684	83,333	45,435	34,193	28,481	46,396	5,614	0	52,010	5,614	160,119	243,452
2000	320,956	23,673	344,629	363,105	5,425	5,696	18,988	5,614	1,899	26,501	7,513	400,727	745,356
2001	499,827	68,359	568,187	340,804	124,643	65,414	32,390	908	0	33,298	908	564,160	1,132,346
2002	180,556	126,619	307,175	82,437	89,359	287,060	100,975	4,747	0	105,722	4,747	564,578	871,753
2003	39,252	57,640	96,892	7,610	59,634	37,322	11,146	3,798	0	14,944	3,798	119,510	216,402
2004	36,562	92,053	128,615	32,795	11,393	59,785	46,150	12,301	1,899	60,350	14,200	164,322	292,938
2005	408,938	46,500	455,439	470,142	14,241	38,507	70,969	11,105	0	82,074	11,105	604,964	1,060,402
2006	1,141,989	123,506	1,265,495	845,568	605,915	152,643	115,801	908	2,725	119,434	3,633	1,723,561	2,989,056
2007	843,786	1,319,255	2,163,041	312,698	1,049,571	759,822	254,535	17,053	22,738	294,326	39,791	2,416,418	4,579,460
2008	708,569	4,372,302	5,080,872	266,909	1,345,091	1,627,941	814,258	47,903	22,376	884,537	70,279	4,124,478	9,205,349
2009	317,524	9,700,973	10,018,497	95,225	1,300,765	2,953,847	3,184,350	542,833	99,061	3,826,244	641,895	8,176,082	18,194,579
2010	195,749	3,915,918	4,111,667	186,909	226,833	1,225,389	2,716,794	1,589,320	334,556	4,640,670	1,923,876	6,279,801	10,391,467
2011	30,610	647,622	678,232	61,775	26,319	242,069	705,968	77,830	177,284	961,082	255,114	1,291,245	1,969,477
2012	61,283	131,546	192,829	117,152	9,128	48,713	407,854	39,305	361,701	808,860	401,007	983,854	1,176,683

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Table 10.—Page 7 of 11.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
2013	1,575,859	75,150	1,651,009	1,461,384	79,493	52,908	192,674	3,798	90,378	286,850	94,176	1,880,635	3,531,644
2014	697,452	204,010	901,461	257,673	450,735	158,082	142,955	0	47,241	190,196	47,241	1,056,684	1,958,146
2015	131,990	174,761	306,751	36,967	184,383	486,885	201,491	7,331	6,122	214,944	13,452	923,178	1,229,928
2016	13,830	2,697,909	2,711,739	0	47,031	465,315	476,731	5,219	23,855	505,805	29,074	1,018,151	3,729,890
2017	1,139,012	554,417	1,693,430	1,141,845	45,595	110,570	196,434	10,728	0	207,162	10,728	1,505,172	3,198,602
2018	3,240,652	298,863	3,539,515	2,205,539	343,241	114,112	108,244	0	7,407	115,651	7,407	2,778,543	6,318,058
2019	1,106,644	1,975,217	3,081,861	313,905	1,242,227	527,288	178,667	4,934	20,720	204,321	25,653	2,287,741	5,369,601
2020	263,276	1,044,198	1,307,475	211,790	188,327	429,684	222,226	8,646	16,547	247,419	25,193	1,077,220	2,384,695
2021	87,567	251,484	339,051	71,092	85,252	305,568	152,631	6,693	5,737	165,061	12,430	626,974	966,026
2022	118,078	1,697,214	1,815,292	77,042	260,936	395,895	305,862	5,261	51,654	362,778	56,916	1,096,651	2,911,943
2023	1,058,394	243,604	1,301,997	843,030	302,723	767,889	413,507	26,559	79,546	519,612	106,106	2,433,255	3,735,251
2024	161,678	148,042	309,720	87,207	54,324	219,941	618,803	115,314	380,010	1,114,127	495,324	1,475,599	1,785,319
Stepovak Bay													
1989	113,563	0	113,563	107,788	0	0	0	0	0	0	0	107,788	221,352
1990	289,398	0	289,398	333,054	0	0	0	0	0	0	0	333,054	622,453
1991	13,887	992	14,879	22,814	992	992	992	0	0	992	0	25,790	40,668
1992	106,136	0	106,136	134,884	0	0	0	0	0	0	0	134,884	241,020
1993	8,905	0	8,905	9,296	0	0	0	0	0	0	0	9,296	18,202
1994	30,446	0	30,446	30,290	0	0	0	0	0	0	0	30,290	60,736
1996	35,568	0	35,568	32,004	0	0	0	0	0	0	0	32,004	67,572
1997	9,643	0	9,643	23,048	0	0	0	0	0	0	0	23,048	32,690
1998	36,665	0	36,665	43,862	0	0	0	0	0	0	0	43,862	80,527
1999	34,025	0	34,025	53,840	0	0	0	0	0	0	0	53,840	87,864
2000	168,178	0	168,178	179,302	0	0	0	0	0	0	0	179,302	347,480
2001	276,563	0	276,563	278,539	3,416	0	0	0	0	0	0	281,955	558,518
2002	28,474	11,159	39,633	46,174	11,639	2,480	0	0	0	0	0	60,293	99,926
2003	33,770	0	33,770	37,038	0	0	930	0	0	930	0	37,967	71,738
2004	62,486	992	63,477	81,485	688	992	0	0	0	0	0	83,165	146,643
2005	358,179	930	359,108	466,461	4,969	992	0	0	0	0	0	472,421	831,529
2006	938,817	8,398	947,214	1,254,409	34,902	5,761	0	0	0	0	0	1,295,072	2,242,286
2007	341,670	24,047	365,717	406,983	63,342	15,853	0	0	0	0	0	486,177	851,895
2008	149,567	11,295	160,862	126,217	71,454	28,082	6,640	992	0	7,632	992	233,384	394,246
2009	39,023	3,315	42,338	42,963	7,098	21,653	4,680	0	418	5,098	418	76,812	119,150
2010	29,109	860	29,969	29,977	4,603	17,862	33,746	12,236	0	45,982	12,236	98,422	128,392
2011	96,677	3,720	100,396	109,748	2,324	1,240	3,534	0	2,480	6,014	2,480	119,326	219,722

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Table 10.—Page 8 of 11.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
2012	59,065	3,664	62,729	57,083	992	4,432	8,320	0	992	9,312	992	71,818	134,547
2013	270,286	992	271,278	299,752	1,162	688	0	0	0	0	0	301,602	572,880
2014	45,249	1,984	47,233	33,619	5,121	1,524	4,352	0	1,523	5,875	1,524	46,138	93,371
2015	41,084	0	41,084	49,459	3,842	688	930	0	0	930	0	54,919	96,003
2016	8,782	0	8,782	12,964	0	1,600	0	0	0	0	0	14,564	23,347
2017	256,096	2,480	258,575	278,265	2,168	2,090	0	0	0	0	0	282,523	541,099
2018	1,323,834	5,439	1,329,272	1,220,936	510,838	3,290	822	0	0	822	0	1,735,886	3,065,158
2019	232,750	69,657	302,407	188,442	278,137	156,671	0	0	0	0	0	623,250	925,657
2020	131,555	12,695	144,250	125,485	34,176	115,395	74,486	0	0	74,486	0	349,541	493,791
2021	28,067	25,758	53,826	18,894	6,104	26,552	43,157	8,417	0	51,574	8,417	103,125	156,951
2022	26,079	22,240	48,319	42,602	0	12,450	10,422	0	1,240	11,662	1,240	66,714	115,034
2023						<i>not surveyed</i>							
2024	346,765	26,676	373,441	337,117	9,525	12,396	9,078	0	0	9,078	0	368,115	741,556
WESTERN SECTION TOTALS ^a													
1988	773,019	438,034	1,211,053	459,359	452,443	401,402	311,878	132,789	57,639	502,305	190,427	1,815,510	3,026,563
1989	4,913,416	963,394	5,876,810	4,315,868	1,369,536	495,514	211,476	51,690	5,332	268,498	57,022	6,449,416	12,326,226
1990	4,109,496	1,847,374	5,956,870	3,070,617	1,221,614	903,102	480,968	128,311	90,718	699,997	219,029	5,895,331	11,852,201
1991	2,466,974	1,129,190	3,596,164	2,153,913	570,392	492,420	550,432	93,364	157,041	800,837	250,405	4,017,562	7,613,726
1992	875,074	1,035,436	1,910,510	552,402	591,878	409,395	341,109	71,213	63,714	476,037	134,927	2,029,711	3,940,221
1993	507,349	827,620	1,334,969	352,611	268,717	566,933	505,742	97,002	87,294	690,038	184,296	1,878,299	3,213,267
1994	213,546	534,309	747,855	142,404	119,096	194,994	283,421	33,848	57,815	375,084	91,663	831,577	1,579,433
1996	1,026,881	251,384	1,278,266	806,467	133,954	81,029	115,835	30,206	32,748	178,789	62,954	1,200,239	2,478,505
1997	327,241	149,581	476,822	198,939	209,466	188,455	132,800	44,181	10,278	187,260	54,459	784,120	1,260,942
1998	1,469,209	2,204,896	3,674,105	773,317	1,477,526	1,821,033	556,496	87,504	94,395	738,395	181,899	4,810,270	8,484,374
1999	366,050	651,138	1,017,188	170,844	354,883	846,826	1,051,154	125,115	84,033	1,260,301	209,147	2,632,854	3,650,042
2000	1,728,745	1,140,758	2,869,504	1,708,226	314,976	743,044	1,061,242	638,905	119,708	1,819,855	758,613	4,586,100	7,455,604
2001	2,759,017	479,387	3,238,404	2,187,691	998,634	435,662	499,886	290,143	134,997	925,025	425,139	4,547,011	7,785,415
2002	3,514,557	1,981,120	5,495,677	2,413,831	1,961,014	1,237,511	609,581	101,964	258,772	970,317	360,735	6,582,673	12,078,350
2003	1,260,347	2,161,132	3,421,479	591,497	1,676,056	1,369,891	605,452	39,067	121,025	765,543	160,092	4,402,986	7,824,465
2004	1,644,164	1,938,906	3,583,071	1,337,243	611,817	1,940,604	2,508,000	283,975	171,955	2,963,930	455,930	6,853,593	10,436,664
2005	1,682,639	3,979,937	5,662,576	1,289,755	551,395	712,208	1,472,229	512,628	219,293	2,204,150	731,921	4,757,508	10,420,084
2006	20,083,627	2,527,311	22,610,938	18,673,998	1,028,277	922,020	1,263,863	286,592	285,987	1,836,442	572,579	22,460,736	45,071,675
2007	18,525,634	4,988,172	23,513,806	11,763,427	8,879,204	2,714,690	2,612,351	550,013	233,899	3,396,263	783,912	26,753,584	50,267,390
2008	4,606,299	16,930,396	21,536,695	1,938,151	9,404,425	16,597,192	3,092,961	857,307	326,549	4,276,817	1,183,856	32,216,586	53,753,281
2009	1,103,085	4,366,830	5,469,916	670,102	983,570	4,973,184	10,989,340	721,333	67,454	11,778,129	788,788	18,404,985	23,874,901

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Table 10.—Page 9 of 11.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
2010	493,825	5,730,927	6,224,752	463,371	112,195	821,235	4,496,414	7,287,181	815,241	12,598,836	8,102,423	13,995,637	20,220,389
2011	850,269	2,695,694	3,545,964	836,689	74,357	204,060	1,504,016	1,409,608	3,060,785	5,974,409	4,470,394	7,089,515	10,635,478
2012	701,520	931,925	1,633,445	726,517	122,702	187,197	615,026	93,139	1,634,026	2,342,190	1,727,164	3,378,606	5,012,050
2013	8,393,881	195,746	8,589,627	8,648,610	449,584	89,967	199,302	72,277	660,193	931,773	732,471	10,119,933	18,709,560
2014	3,877,787	1,842,651	5,720,438	2,553,496	1,379,213	1,063,290	948,795	3,471	1,348,973	2,301,239	1,352,443	7,297,237	13,017,675
2015	2,276,558	2,467,296	4,743,854	784,946	2,478,199	3,694,221	1,384,073	166,929	187,499	1,738,502	354,429	8,695,868	13,439,722
2016	195,437	3,249,118	3,444,555	174,678	219,901	1,681,658	2,883,489	114,099	422,994	3,420,582	537,093	5,496,819	8,941,374
2017	706,923	410,469	1,117,392	724,449	55,659	232,435	631,091	60,792	41,182	733,065	101,973	1,745,608	2,863,000
2018	15,533,529	907,277	16,440,806	12,368,474	860,623	525,462	819,461	155,069	63,774	1,038,304	218,843	14,792,863	31,233,669
2019	13,158,963	5,661,183	18,820,146	6,631,524	8,051,224	1,820,023	923,500	13,071	277,380	1,213,950	290,450	17,716,722	36,536,869
2020	8,029,715	11,687,289	19,717,004	3,184,823	6,199,987	9,048,872	2,996,186	26,536	35,527	3,058,249	62,063	21,491,931	41,208,935
2021	773,086	3,324,840	4,097,927	464,479	811,073	4,304,775	8,573,795	892,525	26,862	9,493,181	919,387	15,073,508	19,171,435
2022	305,727	2,000,379	2,306,106	315,613	133,983	669,989	3,817,129	1,624,390	499,200	5,940,719	2,123,590	7,060,304	9,366,410
2023	571,468	1,799,092	2,370,560	522,831	96,367	313,599	1,633,449	156,069	894,677	2,684,195	1,050,746	3,616,992	5,987,552
2024	486,261	612,671	1,098,931	509,224	188,433	230,768	914,898	69,939	1,005,575	1,990,412	1,075,514	2,918,838	4,017,769
EASTERN SECTION TOTALS ^b													
1988	842,764	961,658	1,804,422	765,054	407,157	752,123	612,576	275,154	212,379	1,100,109	487,533	3,024,444	4,828,866
1989	1,724,734	2,518,101	4,242,835	1,524,159	770,081	517,497	479,122	101,797	94,064	674,984	195,862	3,486,721	7,729,556
1990	2,728,900	3,357,994	6,086,894	2,553,105	663,324	858,109	499,911	97,207	162,985	760,103	260,192	4,834,641	10,921,535
1991	1,439,964	908,502	2,348,466	1,410,008	154,256	371,297	358,092	65,523	96,959	520,574	162,481	2,456,135	4,804,600
1992	530,029	427,701	957,730	450,888	214,198	199,814	180,613	42,996	29,246	252,855	72,242	1,117,755	2,075,486
1993	217,986	275,118	493,104	170,871	207,685	675,391	318,516	53,345	39,545	411,406	92,890	1,465,353	1,958,457
1994	108,526	145,677	254,204	74,952	85,490	134,298	199,274	66,164	34,109	299,547	100,273	594,288	848,491
1996	1,215,792	60,432	1,276,224	1,229,741	72,017	59,588	88,640	16,646	12,027	117,313	28,673	1,478,658	2,754,882
1997	596,914	416,196	1,013,110	377,765	469,120	308,776	93,277	6,029	40,827	140,134	46,857	1,295,794	2,308,904
1998	378,247	380,838	759,086	212,359	332,759	570,409	477,991	12,287	57,261	547,539	69,548	1,663,066	2,422,151
1999	172,807	173,841	346,647	220,128	82,406	174,051	190,601	85,391	9,482	285,474	94,873	762,059	1,108,707
2000	2,157,861	290,000	2,447,862	2,037,239	240,559	177,914	285,467	99,409	31,982	416,858	131,391	2,872,569	5,320,431
2001	2,342,181	372,959	2,715,140	1,968,381	550,583	327,379	195,144	45,578	30,983	271,704	76,560	3,118,046	5,833,187
2002	2,020,473	856,773	2,877,246	1,799,591	1,158,437	1,199,679	555,907	50,793	58,568	665,267	109,360	4,822,974	7,700,220
2003	336,034	569,269	905,303	210,120	373,049	602,265	483,520	55,416	90,788	629,724	146,203	1,815,157	2,720,460
2004	684,075	618,102	1,302,177	681,335	221,809	787,859	592,252	156,376	118,454	867,082	274,830	2,558,086	3,860,263
2005	3,928,453	528,948	4,457,401	4,579,229	443,753	393,618	551,159	54,719	76,280	682,158	130,999	6,098,759	10,556,160
2006	11,547,404	1,940,704	13,488,107	10,025,403	4,552,671	1,834,431	872,221	40,504	113,159	1,025,884	153,662	17,438,390	30,926,497
2007	3,514,854	3,646,350	7,161,204	2,515,189	4,454,967	3,308,516	1,342,160	113,309	92,835	1,548,304	206,144	11,826,976	18,988,180

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Table 10.—Page 10 of 11.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
2008	4,043,334	10,385,475	14,428,809	1,622,749	7,591,922	7,665,831	4,245,623	578,186	59,207	4,883,016	637,393	21,763,518	36,192,327
2009	2,089,707	14,428,411	16,518,117	1,371,530	2,783,500	7,340,262	9,677,851	2,592,300	382,494	12,652,645	2,974,794	24,147,937	40,666,055
2010	1,097,068	6,861,773	7,958,841	895,215	779,566	2,418,505	6,149,608	3,921,250	1,169,785	11,240,643	5,091,035	15,333,929	23,292,769
2011	655,141	1,587,209	2,242,350	696,274	238,516	526,716	1,812,495	289,158	1,488,610	3,590,263	1,777,768	5,051,769	7,294,119
2012	818,324	639,870	1,458,194	942,069	68,467	339,971	1,333,317	92,741	1,229,566	2,655,624	1,322,307	4,006,131	5,464,325
2013	9,678,133	478,141	10,156,274	10,027,513	960,253	209,128	428,788	49,359	224,937	703,085	274,296	11,899,978	22,056,252
2014	2,578,136	638,428	3,216,564	1,557,193	2,060,894	1,017,034	502,789	28,739	278,075	809,603	306,814	5,444,724	8,661,288
2015	459,436	916,972	1,376,408	316,491	898,409	2,231,610	1,153,820	45,958	110,603	1,310,382	156,561	4,756,892	6,133,300
2016	276,201	2,988,688	3,264,889	311,858	109,877	951,690	1,138,644	67,525	161,789	1,367,959	229,315	2,741,384	6,006,273
2017	1,888,238	729,622	2,617,860	1,912,084	122,575	220,365	358,009	33,477	14,703	406,189	48,180	2,661,214	5,279,074
2018	14,464,080	770,785	15,234,865	12,883,961	1,615,589	436,670	340,326	12,850	29,271	382,447	42,121	15,318,667	30,553,532
2019	7,771,128	4,594,010	12,365,137	6,435,426	6,577,840	2,321,465	534,761	37,396	40,058	612,214	77,453	15,946,946	28,312,083
2020	3,944,216	5,109,877	9,054,092	2,650,728	4,731,882	5,048,140	1,664,341	87,581	85,233	1,837,154	172,814	14,267,904	23,321,996
2021	1,317,228	1,414,074	2,731,301	1,016,189	1,398,833	2,902,716	3,857,234	687,391	90,048	4,634,673	777,439	9,952,411	12,683,712
2022	1,162,620	3,306,878	4,469,498	962,310	766,580	1,528,919	2,255,841	1,120,053	173,012	3,548,906	1,293,065	6,806,715	11,276,213
2023	2,773,540	1,276,483	4,050,023	2,516,379	794,652	1,484,513	1,531,350	472,237	547,734	2,551,322	1,019,972	7,346,865	11,396,888
2024	1,792,017	1,297,023	3,089,040	1,686,425	404,112	980,226	1,539,506	198,317	863,301	2,601,125	1,061,619	5,671,888	8,760,928
SOUTH PENINSULA DISTRICT TOTALS													
1988	1,615,783	1,399,692	3,015,475	1,224,413	859,600	1,153,525	924,454	407,943	270,018	1,602,414	677,960	4,839,954	7,855,429
1989	6,638,150	3,481,495	10,119,645	5,840,027	2,139,617	1,013,011	690,598	153,487	99,396	943,482	252,884	9,936,137	20,055,782
1990	6,838,396	5,205,368	12,043,764	5,623,722	1,884,938	1,761,211	980,879	225,518	253,703	1,460,100	479,221	10,729,972	22,773,736
1991	3,906,938	2,037,692	5,944,630	3,563,921	724,648	863,717	908,524	158,887	254,000	1,321,411	412,886	6,473,697	12,418,326
1992	1,405,103	1,463,137	2,868,240	1,003,290	806,076	609,209	521,722	114,209	92,960	728,892	207,169	3,147,466	6,015,707
1993	725,335	1,102,738	1,828,073	523,482	476,402	1,242,324	824,258	150,347	126,839	1,101,444	277,186	3,343,652	5,171,724
1994	322,072	679,986	1,002,059	217,356	204,586	329,292	482,695	100,012	91,924	674,631	191,936	1,425,865	2,427,924
1996	2,242,673	311,816	2,554,490	2,036,208	205,971	140,617	204,475	46,852	44,775	296,102	91,627	2,678,897	5,233,387
1997	924,155	565,777	1,489,932	576,704	678,586	497,231	226,077	50,210	51,105	327,394	101,316	2,079,914	3,569,846
1998	1,847,456	2,585,734	4,433,191	985,676	1,810,285	2,391,442	1,034,487	99,791	151,656	1,285,934	251,447	6,473,336	10,906,525
1999	538,857	824,979	1,363,835	390,972	437,289	1,020,877	1,241,755	210,506	93,515	1,545,775	304,020	3,394,913	4,758,749
2000	3,886,606	1,430,758	5,317,366	3,745,465	555,535	920,958	1,346,709	738,314	151,690	2,236,713	890,004	7,458,669	12,776,035
2001	5,101,198	852,346	5,953,544	4,156,072	1,549,217	763,041	695,030	335,721	165,980	1,196,729	501,699	7,665,057	13,618,602
2002	5,535,030	2,837,893	8,372,923	4,213,422	3,119,451	2,437,190	1,165,488	152,757	317,340	1,635,584	470,095	11,405,647	19,778,570
2003	1,596,381	2,730,401	4,326,782	801,617	2,049,105	1,972,156	1,088,972	94,483	211,813	1,395,267	306,295	6,218,143	10,544,925
2004	2,328,239	2,557,008	4,885,248	2,018,578	833,626	2,728,463	3,100,252	440,351	290,409	3,831,012	730,760	9,411,679	14,296,927
2005	5,611,092	4,508,885	10,119,977	5,868,984	995,148	1,105,826	2,023,388	567,347	295,573	2,886,308	862,920	10,856,267	20,976,244

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Table 10.—Page 11 of 11.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
2006	31,631,031	4,468,015	36,099,045	28,699,401	5,580,948	2,756,451	2,136,084	327,096	399,146	2,862,326	726,241	39,899,126	75,998,172
2007	22,040,488	8,634,522	30,675,010	14,278,616	13,334,171	6,023,206	3,954,511	663,322	326,734	4,944,567	990,056	38,580,560	69,255,570
2008	8,649,633	27,315,871	35,965,504	3,560,900	16,996,347	24,263,023	7,338,584	1,435,493	385,756	9,159,833	1,821,249	53,980,104	89,945,608
2009	3,192,792	18,795,241	21,988,033	2,041,632	3,767,070	12,313,446	20,667,191	3,313,633	449,948	24,430,774	3,763,582	42,552,922	64,540,956
2010	1,590,893	12,592,700	14,183,593	1,358,586	891,761	3,239,740	10,646,022	11,208,431	1,985,026	23,839,479	13,193,458	29,329,566	43,513,158
2011	1,505,410	4,282,903	5,788,314	1,532,963	312,873	730,776	3,316,511	1,698,766	4,549,395	9,564,672	6,248,162	12,141,284	17,929,597
2012	1,519,844	1,571,795	3,091,639	1,668,586	191,169	527,168	1,948,343	185,880	2,863,592	4,997,814	3,049,471	7,384,737	10,476,375
2013	18,072,014	673,887	18,745,901	18,676,123	1,409,837	299,095	628,090	121,636	885,130	1,634,858	1,006,767	22,019,911	40,765,812
2014	6,455,923	2,481,079	8,937,002	4,110,689	3,440,107	2,080,324	1,451,584	32,210	1,627,048	3,110,842	1,659,257	12,741,961	21,678,963
2015	2,735,994	3,384,268	6,120,262	1,101,437	3,376,608	5,925,831	2,537,893	212,887	298,102	3,048,884	510,990	13,452,760	19,573,022
2016	471,638	6,237,806	6,709,444	486,536	329,778	2,633,348	4,022,133	181,624	584,783	4,788,541	766,408	8,238,203	14,947,647
2017	2,595,161	1,140,091	3,735,252	2,636,533	178,234	452,800	989,100	94,269	55,885	1,139,254	150,153	4,406,822	8,142,074
2018	29,997,609	1,678,062	31,675,671	25,252,435	2,476,212	962,132	1,159,787	167,919	93,045	1,420,751	260,964	30,111,530	61,787,201
2019	20,930,091	10,255,193	31,185,283	13,066,950	14,629,064	4,141,488	1,458,261	50,467	317,438	1,826,164	367,903	33,663,668	64,848,952
2020	11,973,931	16,797,166	28,771,096	5,835,551	10,931,869	14,097,012	4,660,527	114,117	120,760	4,895,403	234,877	35,759,835	64,530,931
2021	2,090,314	4,738,914	6,829,228	1,480,668	2,209,906	7,207,491	12,431,029	1,579,916	116,910	14,127,854	1,696,826	25,025,919	31,855,147
2022	1,468,347	5,307,257	6,775,604	1,277,923	900,563	2,198,908	6,072,970	2,744,443	672,212	9,489,625	3,416,655	13,867,019	20,642,623
2023	3,345,008	3,075,575	6,420,583	3,039,210	891,019	1,798,112	3,164,799	628,306	1,442,411	5,235,517	2,070,718	10,963,857	17,384,440
2024	2,278,278	1,909,694	4,187,971	2,195,649	592,545	1,210,994	2,454,404	268,256	1,868,876	4,591,537	2,137,133	8,590,726	12,778,697

Note: CW = carapace width.

^a Western Section of the South Peninsula District includes Sanak Island, Morzhovoi Bay, and Cold Bay/Belkofski Bay.

^b Eastern Section of the South Peninsula District includes Pavlof Bay/Volcano Bay, Beaver Bay/Balboa Bay/Unga Strait, West Nagai Strait, and Stepovak Bay.

Table 11.—Predominant species by weight in the Eastern Aleutian Tanner crab District large-mesh bottom trawl survey, 2024.

Common name	Species name	% of catch by weight
Arrowtooth flounder	<i>Atheresthes stomias</i>	32.2
Walleye pollock	<i>Gadus chalcogrammus</i>	19.9
Flathead sole	<i>Hippoglossoides elassodon</i>	14.5
Tanner crab	<i>Chionoecetes bairdi</i>	6.4
Rex sole	<i>Glyptocephalus zachirus</i>	4.5
Pacific halibut	Class: Schyphozoa	2.5
Anemone	Order: Actinaria	2.4
Rougheye rockfish	<i>Sebastes aleutianus</i>	2.4
Pacific cod	<i>Gadus macrocephalus</i>	2.0
Southern rock sole	<i>Lepidopsetta bilineata</i>	1.9
Sunflower seastar	<i>Pycnopodia helianthoides</i>	1.3
Aleutian skate	<i>Bathyraja aleutica</i>	1.3
Jellyfish	Class: Schyphozoa	1.2
Basket star	<i>Gorgonocephalus sp.</i>	1.0
Sablefish	<i>Anoplopoma fimbria</i>	0.8
Big skate	<i>Beringraja binoculata</i>	0.8
Northern rock sole	<i>Lepidopsetta polyxystra</i>	0.6
Dover sole	<i>Microstomus pacificus</i>	0.5
Giant octopus	<i>Enteroctopus dofleini</i>	0.5
Bering skate	<i>Bathyraja interrupta</i>	0.4
All others	(67 species)	3.1
Total		100.0

Table 12.—Tanner crab abundance estimates from large-mesh bottom trawl surveys in the Eastern Aleutian District, 1990–2024.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70-91 mm	92-114 mm	>114 mm						
Akutan Bay Section													
1990	460,091	771,965	1,232,056	614,180	912,058	447,121	146,025	15,190	0	161,215	15,190	2,134,573	3,366,630
1991	745,088	578,257	1,323,345	812,185	351,737	523,188	371,614	13,291	13,291	398,197	26,582	2,085,306	3,408,651
1994	949	2,894	3,843	2,894	7,641	15,418	33,912	2,848	949	37,709	3,797	63,661	67,504
1995	19,077	5,696	24,773	12,477	8,206	31,784	98,796	949	8,727	108,472	9,676	160,938	185,711
1999	121,515	677,297	798,812	19,867	143,040	701,089	1,030,549	210,329	4,363	1,245,242	214,693	2,109,239	2,908,050
2000	9,075	243,581	252,656	8,028	12,224	166,338	323,572	86,368	17,063	427,004	103,431	613,593	866,249
2003	56,558	675,379	731,937	37,957	139,174	413,880	121,041	21,012	75,815	217,868	96,827	808,879	1,540,816
2004	132,418	988,764	1,121,182	73,039	227,615	290,497	223,425	10,327	25,204	258,956	35,531	850,107	1,971,289
2005	127,290	501,657	628,948	84,898	196,246	188,560	270,776	50,445	10,939	332,160	61,384	801,864	1,430,812
2006	70,223	134,799	205,022	50,598	103,862	233,907	211,607	6,047	52,728	270,382	58,775	658,749	863,770
2007	138,743	245,733	384,475	122,054	244,047	382,078	347,262	11,388	2,889	361,540	14,278	1,109,718	1,494,194
2008	13,220	149,953	163,172	5,875	32,023	121,010	217,775	33,493	42,206	293,474	75,699	452,382	615,555
2009	39,211	914,999	954,210	13,676	32,400	137,413	372,548	62,948	64,567	500,062	127,514	683,551	1,637,761
2010	168,557	228,100	396,657	84,702	77,072	128,811	309,506	30,009	65,134	404,649	95,143	695,234	1,091,891
2011	19,186	288,007	307,193	20,497	16,328	65,459	188,518	3,797	15,072	207,387	18,869	309,672	616,865
2012	27,137	379,431	406,568	34,685	36,764	119,178	123,230	14,286	7,960	145,476	22,246	336,104	742,672
2013	409,655	69,112	478,767	381,318	100,839	125,669	68,879	3,705	12,644	85,229	16,350	693,054	1,171,821
2014	340,816	1,644,330	1,985,146	255,599	171,316	274,809	408,722	16,674	41,685	467,082	58,359	1,168,806	3,153,952
2015	187,697	193,663	381,360	209,008	62,030	13,201	13,017	0	0	13,017	0	297,257	678,616
2016	56,250	414,308	470,558	28,843	180,149	294,404	73,859	0	995	74,854	995	578,250	1,048,809
2017	179,563	3,888,787	4,068,350	127,265	191,158	281,969	98,239	0	8,723	106,961	8,723	707,353	4,775,703
2018	82,982	891,867	974,849	43,664	81,906	136,725	38,820	0	1,877	40,697	1,877	302,993	1,277,842
2019	65,420	215,326	280,746	40,980	65,210	19,660	6,530	0	0	6,530	0	132,380	413,126
2021	506,368	429,052	935,419	788,542	1,169,029	230,616	27,404	0	0	27,404	0	2,215,590	3,151,009
2022	254,083	247,838	501,921	260,234	385,646	211,610	45,796	0	0	45,796	0	903,285	1,405,206
2023	not surveyed												
2024	334,828	983,778	1,318,606	349,183	382,037	721,630	491,126	0	5,045	496,171	5,045	1,949,020	3,267,626
Unalaska/Kalekta Bay Section													
1990	1,120,173	359,536	1,479,710	664,933	59,141	78,357	42,847	11,544	2,795	57,186	14,339	859,617	2,339,327
1991	981,240	137,467	1,118,707	920,710	167,931	41,207	25,026	8,906	1,001	34,932	9,907	1,164,780	2,283,487
1994	17,485	1,466	18,950	17,485	949	0	1,982	949	1,549	4,481	2,499	22,915	41,865
1995	27,144	8,697	35,840	20,455	3,879	12,420	2,174	1,499	0	3,673	1,499	40,427	76,267
1999	230,688	194,469	425,157	141,404	95,639	253,996	313,785	123,839	44,527	482,151	168,366	973,190	1,398,347

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Table 12.—Page 2 of 5.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70-91 mm	92-114 mm	>114 mm						
2000	284,101	1,088,738	1,372,839	35,586	223,082	278,324	169,934	40,073	15,214	225,222	55,288	762,214	2,135,053
2003	72,717	7,655	80,371	82,917	6,986	55,771	390,915	99,369	182,335	672,619	281,704	818,293	898,664
2004	347,648	136,330	483,978	338,118	127,520	52,962	26,311	68,736	13,863	108,910	82,600	627,510	1,111,488
2005	854,571	212,212	1,066,782	664,558	256,219	93,970	51,379	23,982	10,866	86,227	34,847	1,100,973	2,167,756
2006	152,411	372,419	524,830	133,521	262,003	138,545	185,053	42,346	495,937	723,336	538,283	1,257,404	1,782,234
2007	436,607	1,997,301	2,433,908	255,143	109,447	308,032	304,795	104,410	229,458	638,663	333,868	1,311,286	3,745,194
2008	324,109	1,990,322	2,314,431	210,498	217,650	246,376	554,496	98,765	65,497	718,758	164,262	1,393,282	3,707,713
2009	176,340	1,306,064	1,482,403	80,052	54,219	122,947	284,196	108,250	108,564	501,010	216,814	758,228	2,240,631
2010	200,948	386,350	587,299	131,427	27,375	30,870	7,383	1,973	1,187	10,542	3,160	200,215	787,513
2011	25,900	253,897	279,797	29,250	24,995	64,648	40,142	2,167	7,336	49,645	9,503	168,538	448,335
2012	170,446	503,997	674,442	123,914	64,169	169,249	380,610	20,623	224,602	625,835	245,225	983,167	1,657,610
2013	1,295,974	690,494	1,986,468	660,240	225,539	149,244	128,208	6,738	20,450	155,396	27,188	1,190,420	3,176,888
2014	290,483	157,234	447,717	313,881	771,860	718,719	186,157	8,170	1,786	196,112	9,955	2,000,573	2,448,289
2015	408,740	94,026	502,766	308,172	117,455	140,343	156,819	18,733	0	175,552	18,733	741,522	1,244,288
2016	33,078	8,842	41,921	23,949	9,495	51,147	13,270	1,595	0	14,865	1,595	99,457	141,378
2017	314,108	56,016	370,124	215,568	6,037	15,965	52,304	12,012	1,001	65,317	13,013	302,887	673,011
2018	328,885	399,940	728,824	182,644	64,509	64,431	194,377	24,324	34,748	253,449	59,072	565,033	1,293,858
2019	573,520	771,536	1,345,056	429,904	267,656	166,033	45,107	1,416	0	46,523	1,416	910,117	2,255,174
2021	402,430	105,050	507,481	265,814	49,325	25,208	4,290	2,860	0	7,150	2,860	347,497	854,978
2022	118,249	550,943	669,192	95,529	60,950	55,211	48,450	6,511	0	57,426	6,511	266,651	935,844
2023	431,235	10,628	441,863	385,697	6,213	844	1,526	0	0	1,526	0	394,280	836,143
2024	110,818	23,446	134,263	92,784	31,831	9,985	0	0	0	0	0	134,600	268,863
Makushin/Skan Bay Section													
1990	436,275	312,832	749,107	364,641	81,417	75,879	124,444	6,890	22,708	154,041	29,598	675,979	1,425,086
1991	131,552	220,808	352,360	112,335	125,791	76,823	104,035	8,763	46,989	159,788	55,753	474,737	827,097
1994	147,313	155,632	302,945	126,475	19,047	94,473	105,286	34,931	1,581	141,799	36,513	381,794	684,739
1995	124,369	84,784	209,153	91,971	24,957	37,455	49,905	2,748	8,366	61,019	11,115	215,403	424,556
1999	533,825	78,128	611,953	482,040	37,346	49,059	39,598	4,720	9,195	53,512	13,914	621,958	1,233,911
2000	686,543	188,763	875,305	545,296	150,686	52,921	22,335	2,911	0	25,246	2,911	774,148	1,649,454
2003	65,930	1,142,005	1,207,936	47,633	80,167	265,981	477,209	190,192	75,396	742,797	265,588	1,136,579	2,344,514
2004	156,452	683,605	840,058	160,707	51,555	218,704	365,270	357,929	58,600	781,799	416,530	1,212,765	2,052,823
2005	315,190	227,137	542,328	340,306	23,280	34,803	306,036	158,760	215,487	680,283	374,247	1,078,671	1,620,999
2006	607,077	137,178	744,256	557,140	37,878	33,141	100,740	22,650	122,025	245,415	144,675	873,574	1,617,830
2007	3,151,813	986,509	4,138,323	1,593,227	685,507	408,441	130,212	8,675	162,534	301,420	171,208	2,988,595	7,126,917

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Table 12.—Page 3 of 5.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70-91 mm	92-114 mm	>114 mm						
2008	399,173	1,384,632	1,783,805	284,038	312,861	322,728	165,871	3,359	159,809	329,040	163,169	1,248,668	3,032,473
2009	266,404	1,754,159	2,020,563	216,308	166,619	477,433	208,789	7,698	33,557	250,045	41,256	1,110,405	3,130,968
2010	158,522	165,486	324,008	114,237	21,102	83,603	208,500	49,237	16,969	274,705	66,206	493,648	817,656
2011	192,551	251,857	444,408	129,394	28,940	65,062	220,388	25,163	58,782	304,332	83,944	527,728	972,136
2012	177,070	293,261	470,331	119,538	96,850	57,405	100,817	7,600	22,481	130,897	30,080	404,689	875,020
2013	436,107	779,459	1,215,565	313,584	44,299	125,020	129,427	10,118	39,986	179,530	50,103	662,434	1,877,999
2014	287,462	690,640	978,102	146,461	162,858	167,489	185,768	11,774	74,883	272,424	86,657	749,232	1,727,334
2015	314,242	454,918	769,160	291,193	72,973	145,618	143,173	38,162	21,779	203,114	59,941	712,898	1,482,058
2016	171,648	1,002,701	1,174,348	89,723	49,442	60,262	112,474	4,675	33,587	150,736	38,262	350,163	1,524,511
2017	1,791,483	660,675	2,452,158	1,481,759	213,445	197,934	185,735	1,376	105,755	292,866	107,131	2,186,004	4,638,162
2018	798,102	1,673,816	2,471,918	445,736	550,279	149,211	172,215	6,210	72,310	250,735	78,520	1,395,961	3,867,879
2019	995,328	1,098,136	2,093,464	870,186	190,248	285,944	117,902	0	20,492	138,394	20,492	1,484,772	3,578,236
2021	1,251,359	1,624,438	2,875,798	1,114,801	468,609	501,652	386,944	28,539	51,920	467,402	80,459	2,552,464	5,428,262
2022	856,771	1,852,803	2,709,574	526,980	366,014	479,939	658,667	110,575	82,322	851,564	192,898	2,224,497	4,934,071
2023	402,209	224,932	627,142	330,885	116,986	88,639	68,012	16,231	11,960	96,203	28,191	632,713	1,259,855
2024	216,470	914,961	1,131,431	191,942	120,965	110,675	136,577	4,921	27,131	168,628	32,051	592,210	1,723,641
Beaver Inlet													
1990	943,425	190,116	1,133,540	931,192	229,362	97,860	27,006	3,088	767	30,861	3,855	1,289,273	2,422,812
1991	468,593	135,739	604,330	445,942	177,808	72,225	21,813	2,114	0	23,927	2,114	719,903	1,324,235
1994	38,944	51,504	90,449	33,987	6,696	41,015	47,599	17,014	767	65,380	17,781	147,078	237,528
1995	702,632	28,569	731,200	555,875	15,770	6,518	8,459	3,681	0	12,140	3,681	590,303	1,321,504
1999	159,645	14,596	174,242	145,888	7,207	5,851	1,534	0	1,534	3,068	1,534	162,014	336,256
2000	249,885	19,436	269,322	215,525	19,500	11,892	2,577	0	0	2,577	0	249,491	518,813
2003	70,873	94,779	165,650	135,143	109,191	51,213	5,409	0	0	5,409	0	300,956	466,607
2006	369,585	62,136	431,720	323,375	19,289	31,636	13,844	829	0	14,673	829	388,974	820,694
2009	228,442	69,778	298,220	207,989	35,479	87,445	14,992	1,003	0	15,995	1,003	346,907	645,128
2012	334,008	11,153	345,161	304,359	2,508	6,042	8,550	0	1,161	9,711	1,161	322,619	667,781
2015	30,257	65,922	96,178	27,473	17,206	32,770	7,702	0	0	7,702	0	85,151	181,330
2018	165,431	14,611	180,040	161,260	3,482	2,508	2,770	0	0	2,770	0	170,019	350,059
2021	412,537	2,505	415,042	396,895	4,546	0	0	0	0	0	0	401,441	816,486
2024	160,301	47,979	208,279	154,273	52,250	34,151	1,333	0	0	1,333	0	242,007	450,286
Usof Bay													
1990	97,777	24,414	122,190	97,607	96,108	28,041	1,957	541	0	2,498	541	224,252	346,442
1991	84,679	69,979	154,658	219,357	245,549	63,800	26,863	4,396	2,625	33,884	7,021	562,591	717,249

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Table 12.—Page 4 of 5.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70-91 mm	92-114 mm	>114 mm						
1994	15,007	3,500	18,507	13,151	8,412	5,957	7,601	875	0	8,476	875	35,995	54,501
1995	32,329	3,301	35,630	40,438	9,693	6,681	4,375	0	2,625	7,000	2,625	63,812	99,442
1999	76,557	10,787	87,344	67,910	12,590	2,405	0	0	0	0	0	82,905	170,250
2000	50,848	7,689	58,537	47,161	4,465	4,465	0	0	0	0	0	56,089	114,626
2003	29,595	67,884	97,479	32,895	85,721	148,258	29,458	0	873	30,331	873	297,204	394,683
Akun Bay													
1990	1,991	1,063	3,055	0	0	0	0	0	0	0	0	0	3,055
1991	0	0	0	928	0	0	0	0	0	0	0	928	928
1994	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	4,253	1,063	5,317	0	4,253	4,253	0	0	0	0	0	8,506	13,823
2000	3,158	5,317	8,474	6,348	3,190	0	0	0	0	0	0	9,537	18,012
2003	0	3,055	3,055	0	1,063	2,127	0	0	0	0	0	3,190	6,245
Pumicestone Bay													
1990	48,373	0	48,373	48,114	668	0	0	0	0	0	0	48,783	97,156
1991	23,621	228	23,849	18,668	5,696	1,139	0	0	228	228	228	25,732	49,580
1994	6,350	896	7,246	5,635	5,225	5,149	668	0	0	668	0	16,678	23,924
1995	10,055	3,493	13,550	9,289	3,903	3,698	1,337	0	0	1,337	0	18,228	31,777
1999	12,836	0	12,836	8,408	1,153	0	1,485	743	743	2,971	1,485	12,531	25,367
2000	3,253	1,485	4,738	342	743	0	2,970	743	0	3,713	743	4,798	9,536
2003	225,266	20,529	245,795	276,451	76,811	25,134	2,673	668	0	3,341	668	381,738	627,533
2004	49,246	873	50,120	31,511	1,747	2,673	668	0	0	668	0	36,601	86,719
2005	45,475	19,382	64,857	41,520	19,382	48,790	7,352	1,337	668	9,357	2,005	119,050	183,907
2006	35,646	10,532	46,178	51,545	17,266	17,393	6,912	0	456	7,368	456	93,571	139,748
2007	230,825	2,570	233,394	224,319	29,987	2,570	0	0	0	0	0	256,876	490,270
2008	42,835	4,466	47,301	67,083	128,050	32,195	1,936	0	0	1,936	0	229,263	276,565
2009	10,273	1,181	11,453	9,137	5,026	9,347	1,437	0	0	1,437	0	24,948	36,401
2010	17,943	4,614	22,557	20,896	11,032	11,431	5,526	0	0	5,526	0	48,883	71,441
2011	251,840	513	252,353	231,496	2,563	0	0	1,376	0	1,376	1,376	235,436	487,789
2012	97,844	9,741	107,585	87,508	13,586	3,076	769	256	0	1,025	256	105,194	212,779
2013	59,780	15,525	75,305	33,502	14,468	8,780	2,021	1,352	0	3,373	1,352	60,122	135,427
2014	17,919	655	18,575	13,589	2,877	655	655	0	0	655	0	17,777	36,352
Cape Idak													
1990	3,255	3,662	6,917	0	2,713	0	2,713	0	3,255	5,968	3,255	8,680	15,597

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Table 12.—Page 5 of 5.

Year	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
	Juvenile	Mature	Total	<70 mm	70-91 mm	92-114 mm	>114 mm						
1991	119,622	2,848	122,470	122,470	3,797	949	1,898	0	0	1,898	0	129,114	251,585
1994	0	949	949	2,848	5,697	0	0	0	0	0	0	8,545	9,494
1995	0	0	0	0	1,898	0	0	0	0	0	0	1,898	1,898
1999	949	2,848	3,798	3,798	3,798	1,898	0	0	0	0	0	9,494	13,292
2000	12,342	5,697	18,039	18,038	19,937	9,493	949	0	0	949	0	48,419	66,456
2003	0	6,646	6,646	1,898	9,493	18,038	0	0	0	0	0	29,431	36,076
Inanudak Bay													
1990	4,462	0	4,462	0	0	2,936	949	0	0	949	0	3,885	8,347
1994	2,904	0	2,904	1,452	0	0	0	0	0	0	0	1,452	4,356
EASTERN ALEUTIAN DISTRICT TOTALS													
1990	3,115,822	1,663,588	4,779,410	2,720,667	1,381,467	730,194	345,941	37,253	29,525	412,719	66,778	5,245,042	10,024,452
1991	2,554,395	1,145,326	3,699,719	2,652,595	1,078,309	779,331	551,249	37,470	64,134	652,853	101,605	5,163,091	8,862,812
1994	228,952	216,841	445,793	203,927	53,667	162,012	197,048	56,617	4,846	258,511	61,465	678,118	1,123,911
1995	915,606	134,540	1,050,146	730,505	68,306	98,556	165,046	8,877	19,718	193,641	28,596	1,091,009	2,141,155
1999	1,140,268	979,188	2,119,459	869,315	305,026	1,018,551	1,386,951	339,631	60,362	1,786,944	399,992	3,979,837	6,099,296
2000	1,299,205	1,560,706	2,859,910	876,324	433,827	523,433	522,337	130,095	32,277	684,709	162,373	2,518,289	5,378,199
2003	520,939	2,017,932	2,538,869	614,894	508,606	980,402	1,026,705	311,241	334,419	1,672,365	645,660	3,776,270	6,315,138
2004	685,764	1,809,572	2,495,338	603,375	408,437	564,836	615,674	436,992	97,667	1,150,333	534,661	2,726,983	5,222,319
2005	1,342,526	960,388	2,302,915	1,131,282	495,127	366,123	635,543	234,524	237,960	1,108,027	472,483	3,100,558	5,403,474
2006	1,234,942	717,064	1,952,006	1,116,179	440,298	454,622	518,156	71,872	671,146	1,261,174	743,018	3,272,272	5,224,276
2007	3,957,988	3,232,113	7,190,100	2,194,743	1,068,988	1,101,121	782,269	124,473	394,881	1,301,623	519,354	5,666,475	12,856,575
2008	779,337	3,529,373	4,308,709	567,494	690,584	722,309	940,078	135,617	267,512	1,343,207	403,130	3,323,595	7,632,306
2009	720,670	4,046,181	4,766,849	527,162	293,743	834,585	881,962	179,899	206,688	1,268,549	386,587	2,924,039	7,690,889
2010	545,970	784,550	1,330,521	351,262	136,581	254,715	530,915	81,219	83,290	695,424	164,509	1,437,980	2,768,501
2011	489,477	794,274	1,283,751	410,637	72,826	195,169	449,048	32,503	81,190	562,741	113,692	1,241,374	2,525,125
2012	806,505	1,197,583	2,004,087	670,004	213,877	354,950	613,976	42,765	256,204	912,945	298,968	2,151,773	4,155,862
2013	2,201,516	1,554,590	3,756,105	1,388,644	385,145	408,713	328,535	21,913	73,080	423,528	94,993	2,606,030	6,362,135
2014	936,680	2,492,859	3,429,540	729,530	1,108,911	1,161,672	781,302	36,618	118,354	936,274	154,971	3,936,388	7,365,927
2015	940,936	808,529	1,749,464	835,846	269,664	331,932	320,711	56,895	21,779	399,385	78,674	1,836,828	3,586,292
2016	260,976	1,425,851	1,686,827	142,515	239,086	405,813	199,603	6,270	34,582	240,455	40,852	1,027,870	2,714,698
2017	2,285,154	4,605,478	6,890,632	1,824,592	410,640	495,868	336,278	13,388	115,479	465,145	128,867	3,196,244	10,086,876
2018	1,375,400	2,980,234	4,355,631	833,304	700,176	352,875	408,182	30,534	108,935	547,651	139,469	2,434,006	6,789,638
2019	1,634,268	2,084,998	3,719,266	1,341,070	523,114	471,637	169,539	1,416	20,492	191,447	21,908	2,527,269	6,246,536
2021	2,572,694	2,161,045	4,733,740	2,566,052	1,691,509	757,476	418,638	31,399	51,920	501,957	83,319	5,516,992	10,250,735
2022	1,229,103	2,651,584	3,880,687	882,743	812,610	746,760	752,913	117,086	82,321	952,320	199,409	3,394,433	7,275,121
2023	833,444	235,560	1,069,005	716,582	123,199	89,483	69,538	16,231	11,960	97,729	28,191	1,026,993	2,095,998
2024	822,417	1,970,164	2,792,579	788,182	587,083	876,441	629,036	4,921	32,176	666,132	37,096	2,917,837	5,710,416

Note: CW = carapace width.

Table 13.—Skate catch in kilograms and number caught by sex and species from the large-mesh bottom trawl survey, 2024.

Species	Weight (kg)	Number of skates			Total count
		Male	Female	Unsexed	
Bering Skate	1,689	472	424	3	899
Big skate	10,187	196	699	0	895
Longnose skate	5,676	429	457	1	887
Aleutian skate	1,641	85	177	0	262
Alaska skate	228	20	16	0	36
Total	19,420	1,202	1,773	4	2,979

Table 14.—Average near-bottom water temperatures by District and year from the large-mesh bottom trawl surveys, 1991–2024.

Survey Year	Kodiak District	South Peninsula District	Eastern Aleutian District	Chignik District	Survey average
1991	5.73	6.57	—	6.91	6.22
1992	6.17	6.60	—	6.46	6.33
1993	6.00	6.63	—	6.72	6.25
1994	5.94	—	5.83	—	5.93
1995	5.57	—	5.50	6.27	5.64
1996	6.17	6.30	—	6.95	6.28
1997	6.45	6.93	—	6.95	6.65
1998	6.68	6.20	—	7.05	6.58
1999	5.70	7.02	5.54	8.55	6.28
2000	6.17	5.87	5.71	6.54	6.08
2001	6.71	6.26	—	6.84	6.61
2002	5.65	6.52	—	5.96	5.92
2003	6.73	7.19	6.51	6.94	6.84
2004	6.03	6.38	5.70	6.41	6.14
2005	6.49	6.58	5.83	7.04	6.54
2006	6.02	6.56	5.84	6.95	6.25
2007	5.11	5.32	5.10	5.94	5.26
2008	5.48	5.21	4.90	5.67	5.40
2009	5.35	5.52	5.06	5.41	5.38
2010	6.15	6.12	5.34	6.57	6.15
2011	5.81	5.41	5.17	5.26	5.61
2012	5.31	5.38	5.06	6.11	5.41
2013	5.49	5.82	5.83	5.18	5.56
2014	6.45	6.66	6.03	7.08	6.55
2015	6.59	7.17	6.57	6.94	6.78
2016	7.46	7.13	6.64	7.18	7.30
2017	6.28	5.80	5.84	6.07	6.11
2018	6.19	6.48	6.21	5.88	6.22
2019	7.11	7.65	6.57	—	7.26
2020	6.27	5.29	—	5.06	5.85
2021	5.93	6.65	6.23	5.77	6.11
2022	6.26	6.29	5.86	6.24	6.24
2023	6.23	6.52	5.51	6.07	6.24
2024	6.88	6.04	5.70	5.69	6.17

Note: En dashes indicate that temperatures were not collected.

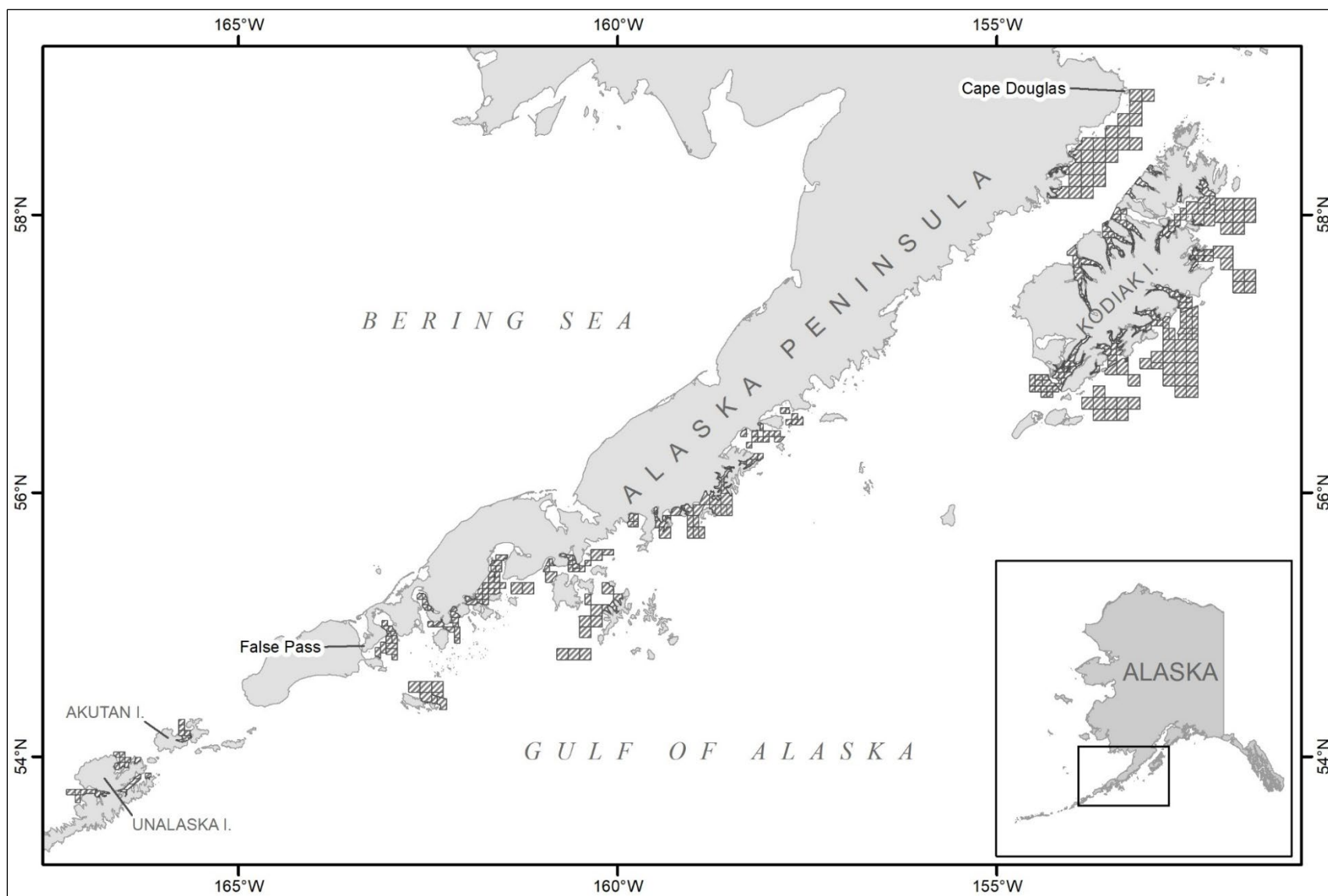


Figure 1.—Large-mesh bottom trawl survey stations, 2024.

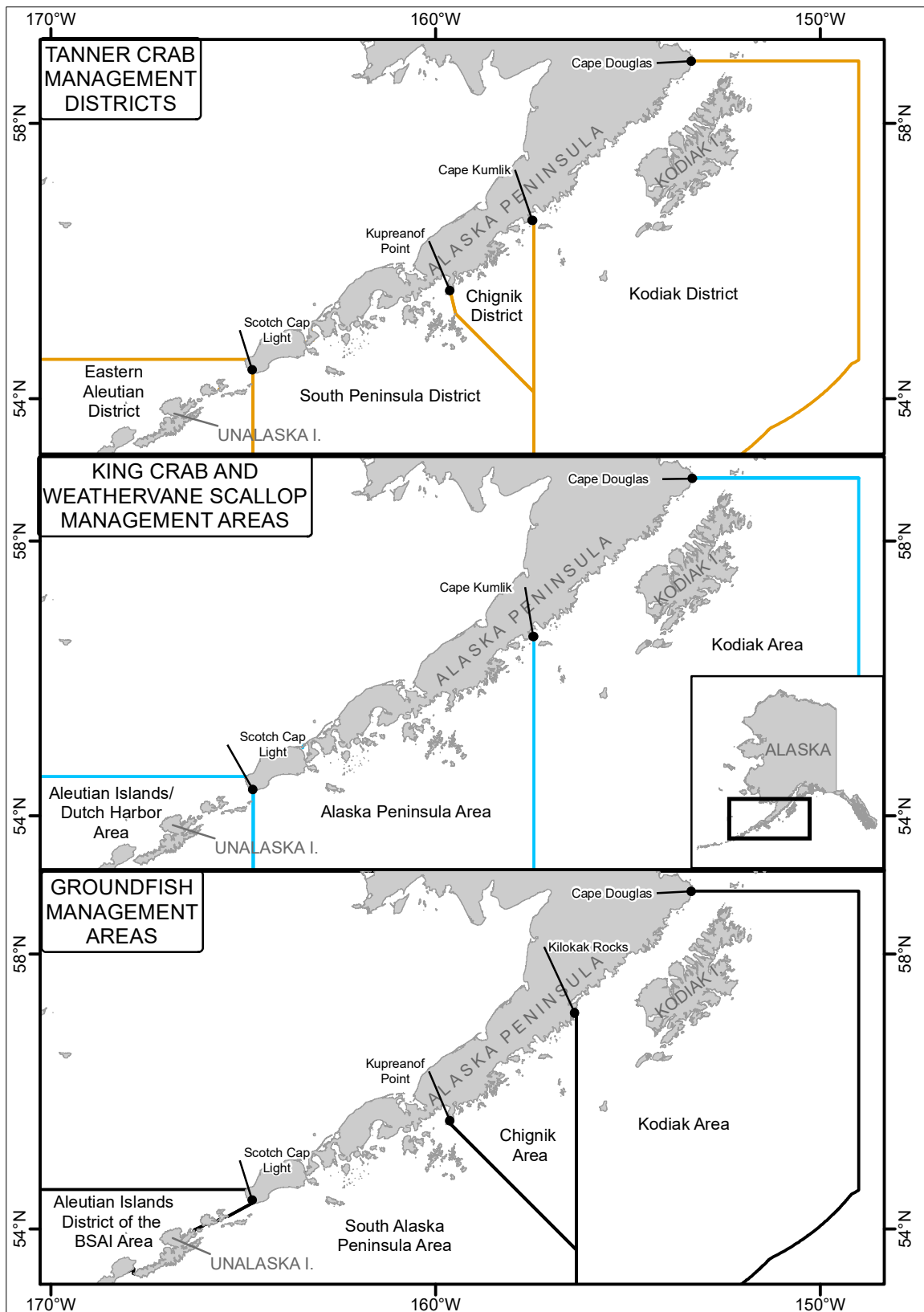


Figure 2.—Tanner crab, king crab, weathervane scallop, and groundfish management units in the bottom trawl survey area.

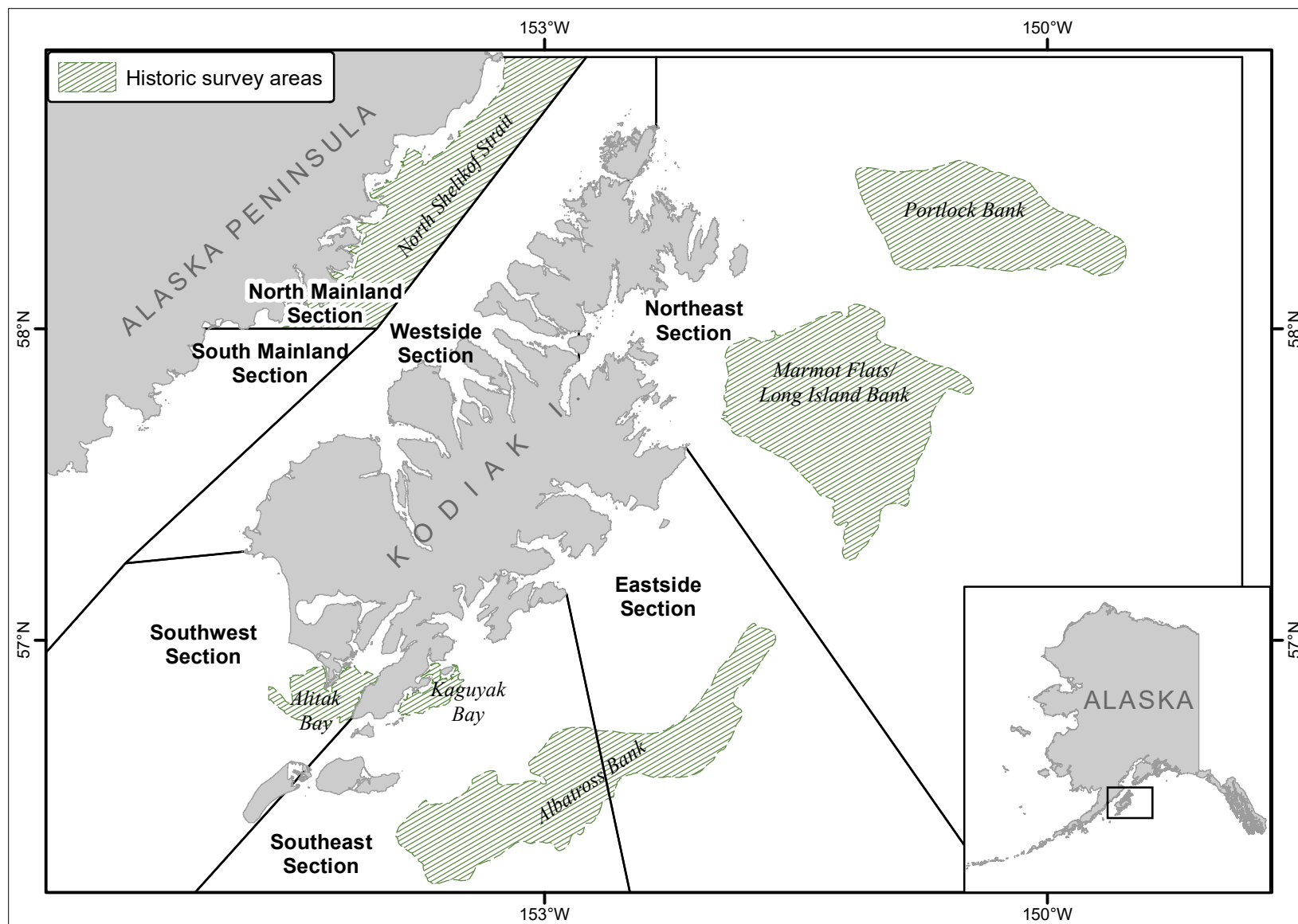


Figure 3.—Historical trawl survey areas and current Tanner crab management sections in the Kodiak District.

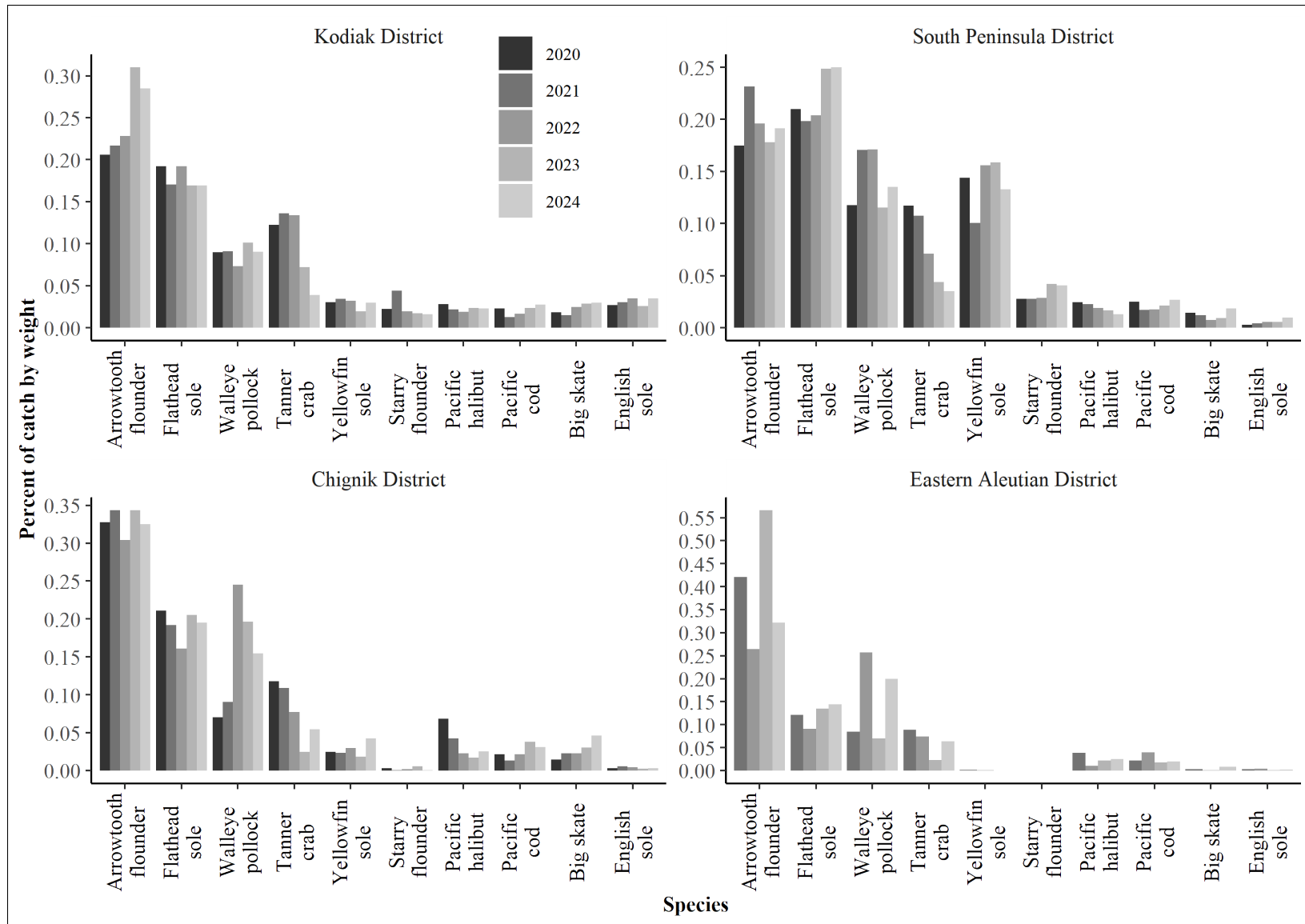


Figure 4.—Top species caught by weight in the large-mesh bottom trawl surveys by district, 2020-2024.

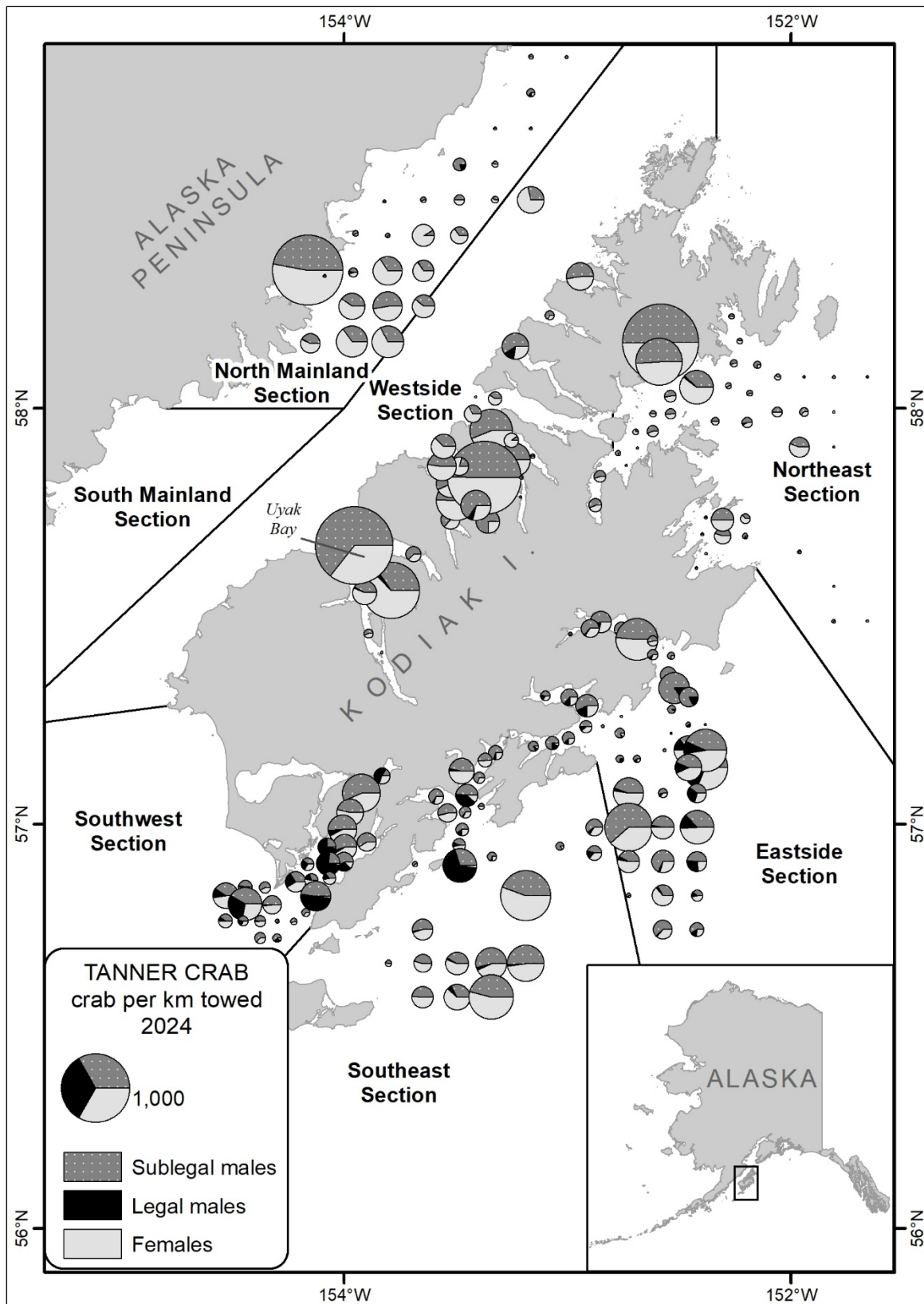


Figure 5.—Number of Tanner crab per kilometer towed in the 2024 Kodiak District large-mesh bottom trawl survey.

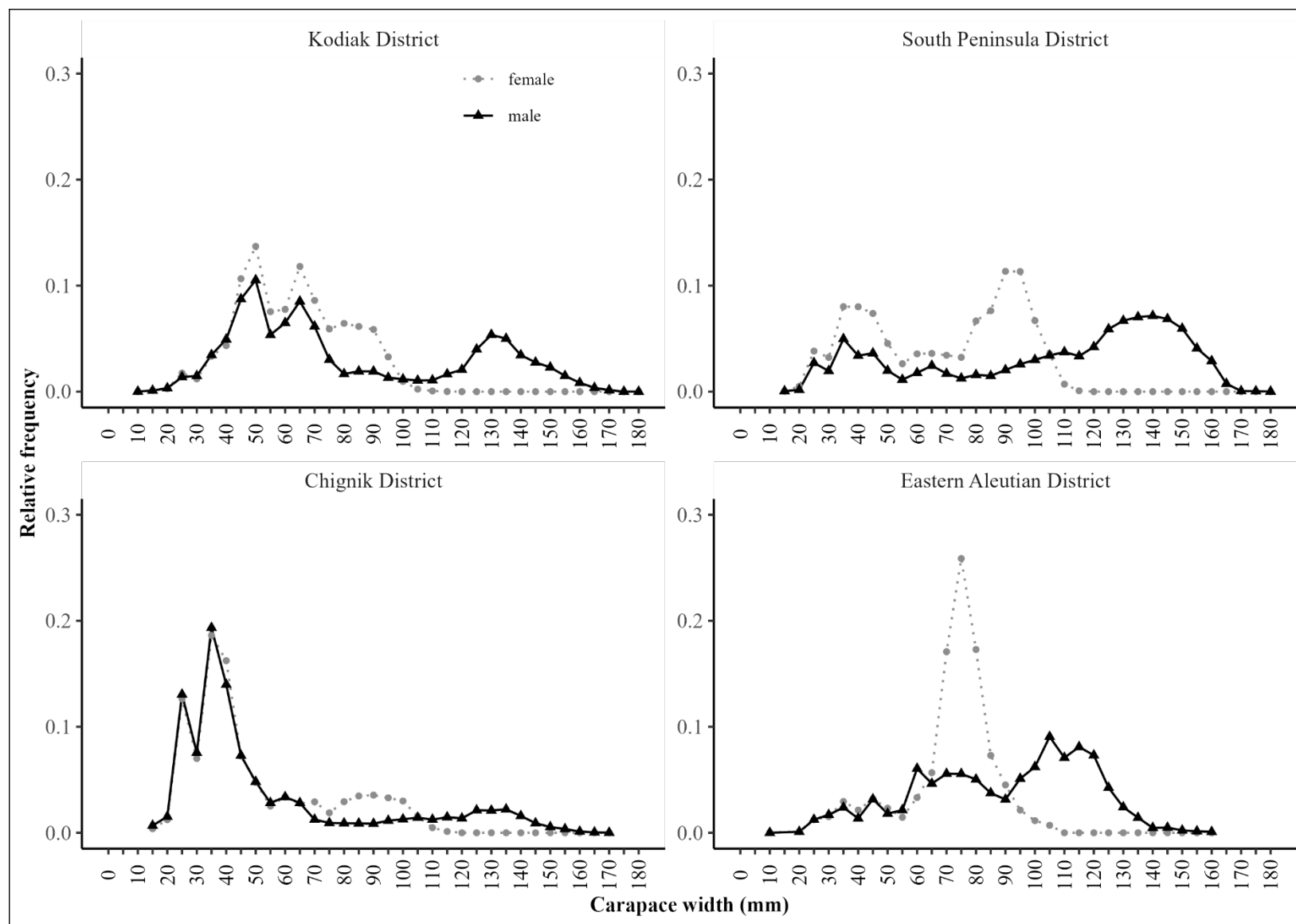


Figure 6.—Tanner crab relative size frequency by sex and district from the 2024 large-mesh bottom trawl survey.

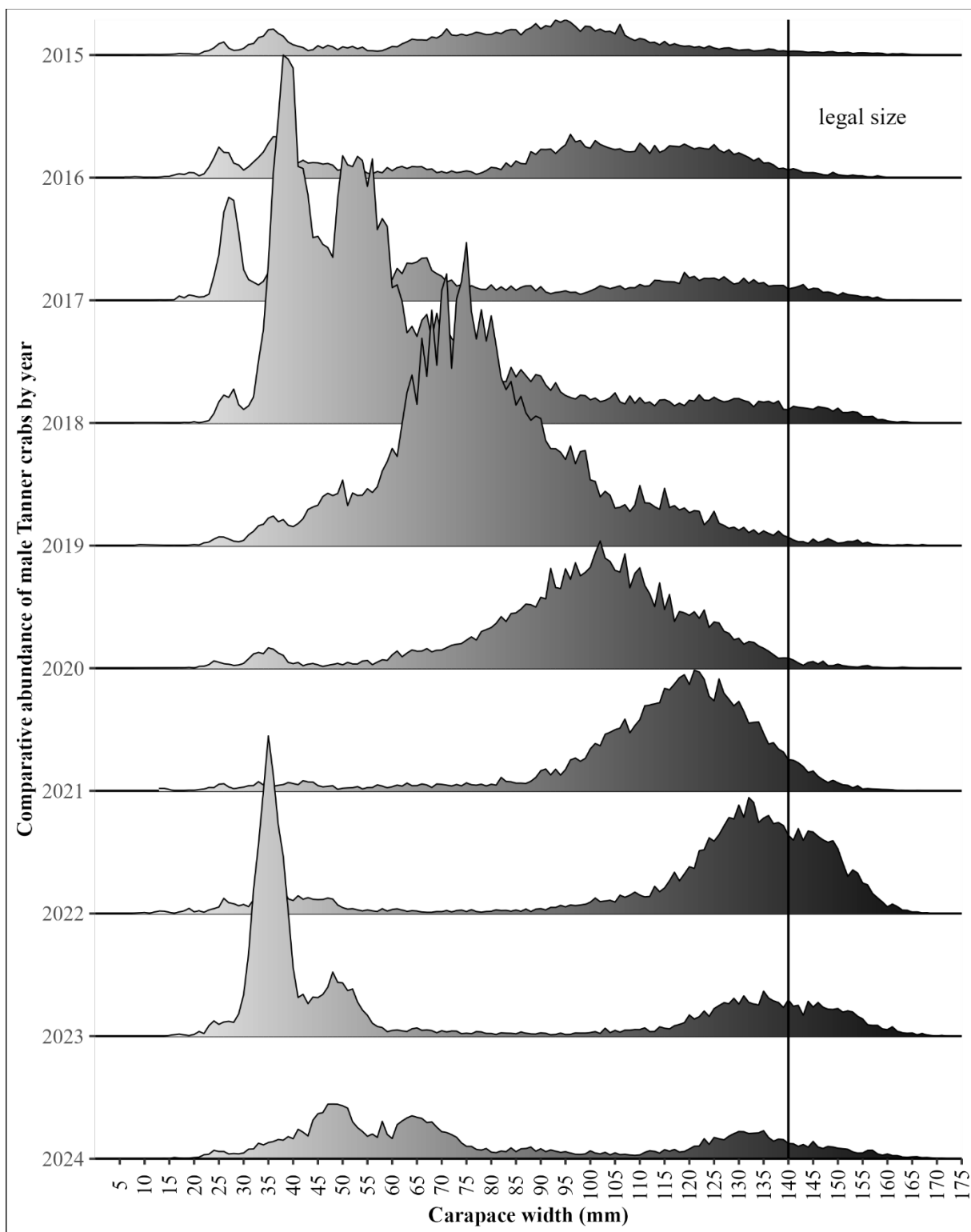


Figure 7.—Tanner crab male abundance estimates by carapace width in the Kodiak District large-mesh bottom trawl surveys, 2015–2024.

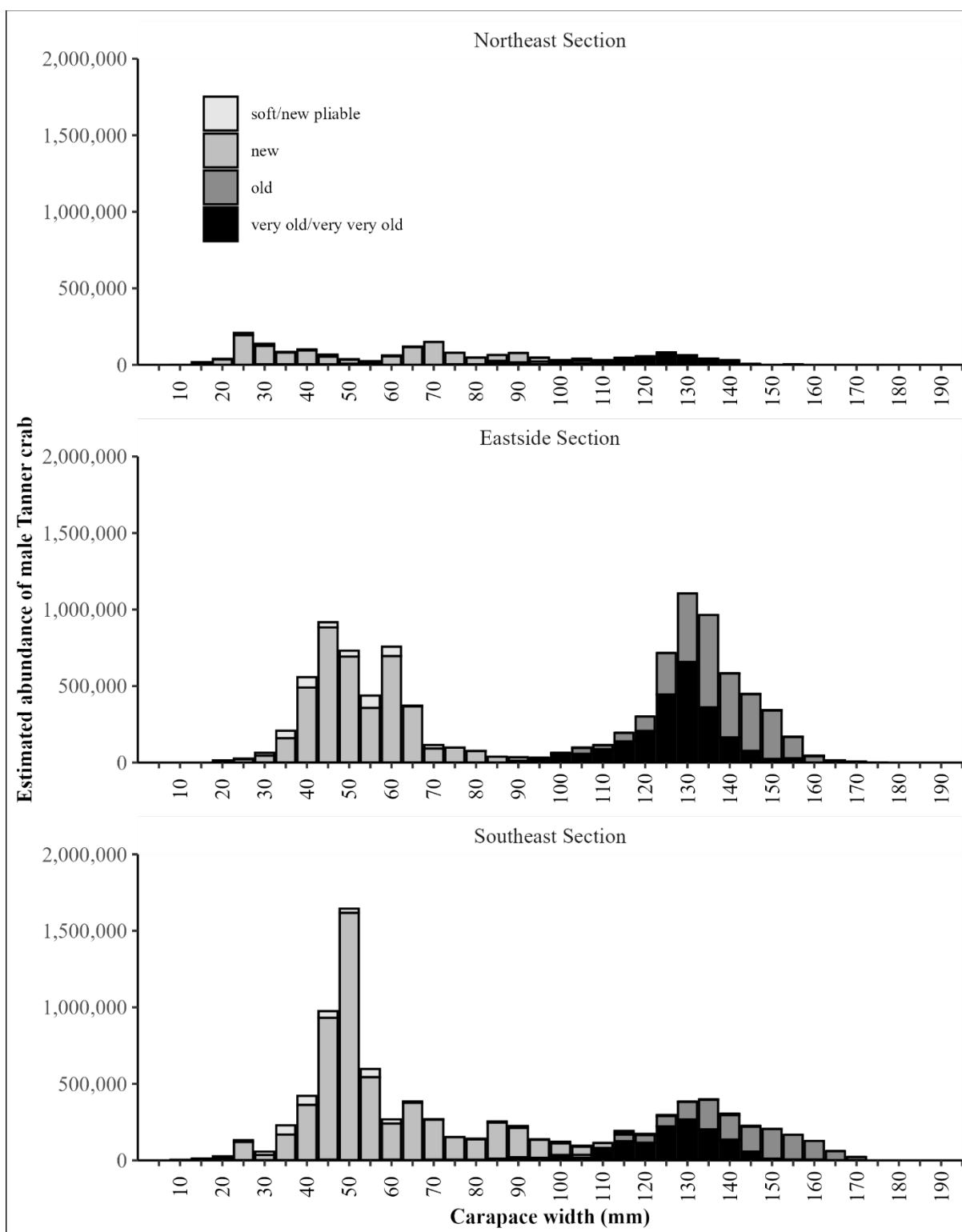


Figure 8.—Tanner crab male abundance estimate by carapace width and shell condition from the Northeast, Eastside, and Southeast Sections of the 2024 Kodiak District large-mesh bottom trawl survey.

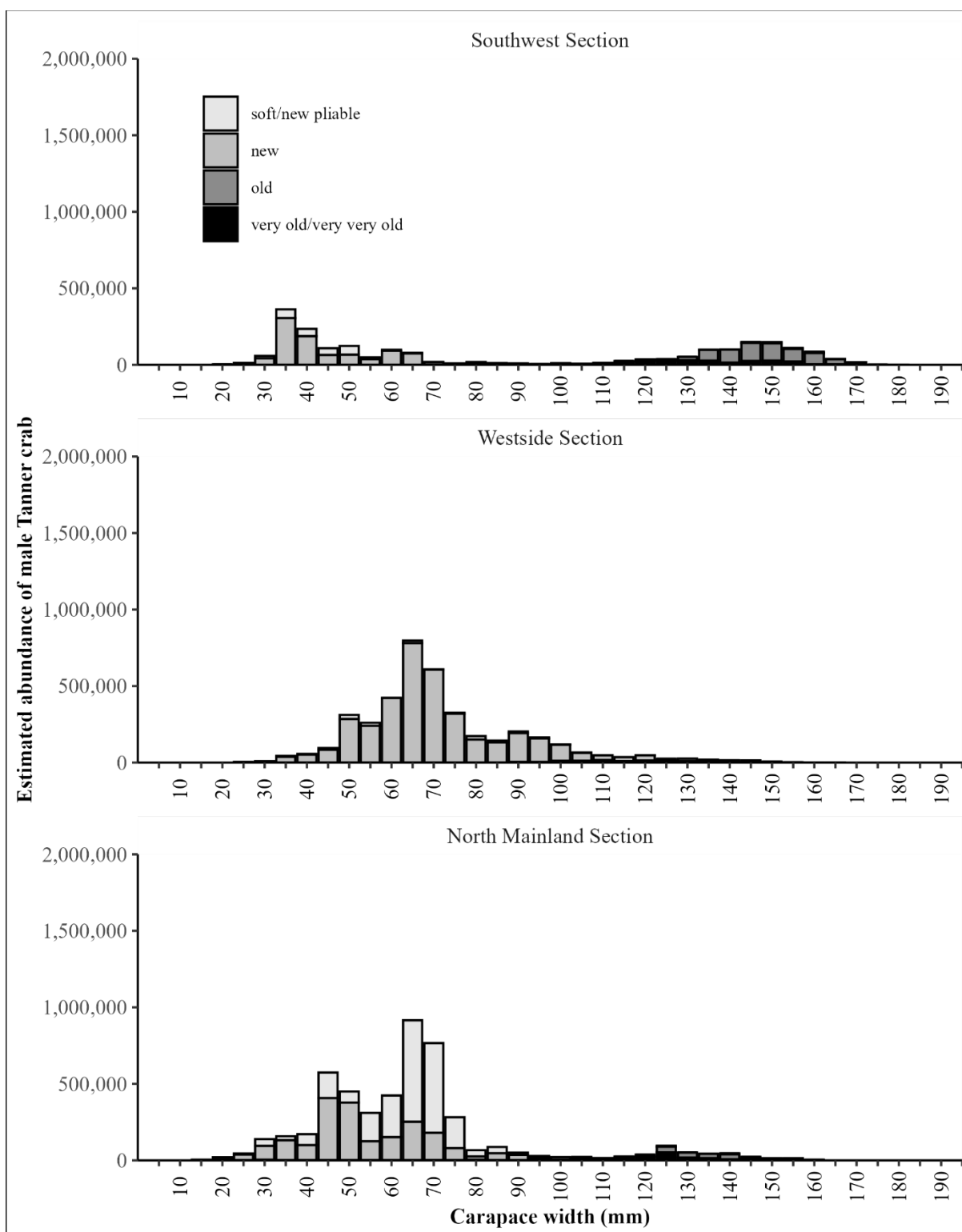


Figure 9.—Tanner crab male abundance estimate by carapace width and shell condition from the Southwest and Westside Sections of the 2024 Kodiak District large-mesh bottom trawl survey.

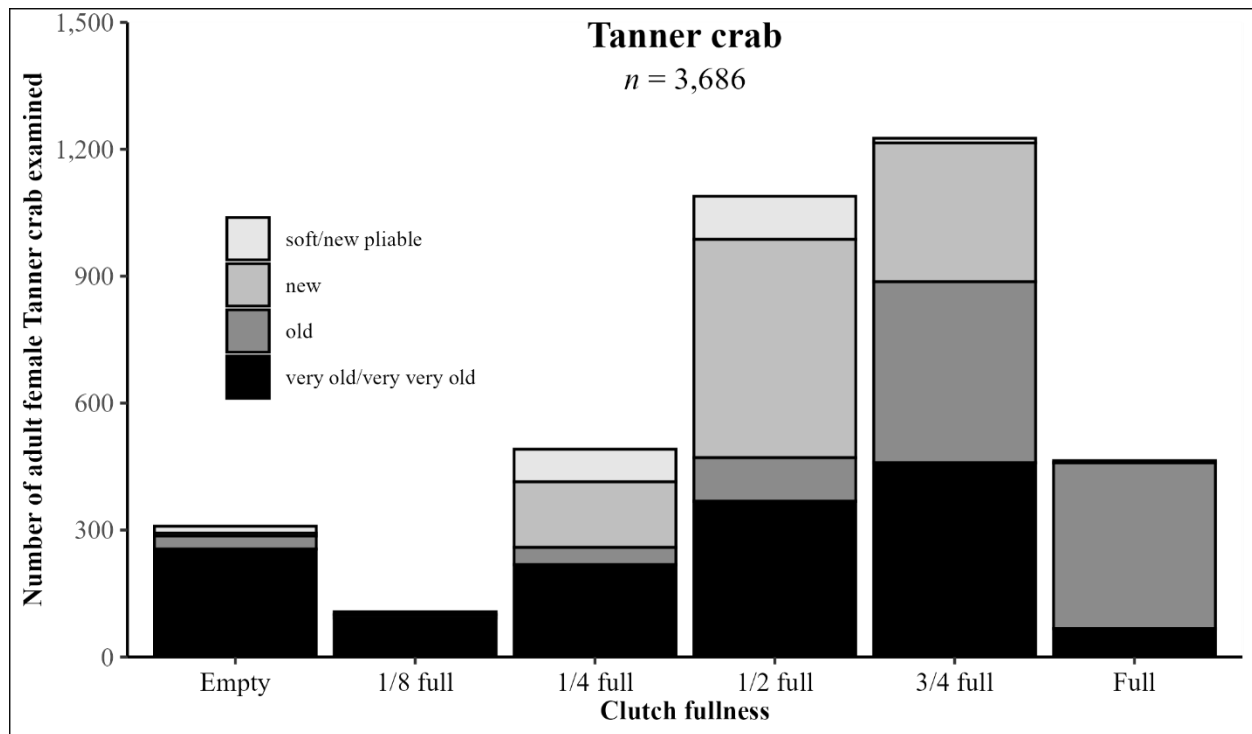


Figure 10.—Tanner crab mature female egg clutch fullness by shell condition in the Kodiak District large-mesh bottom trawl survey, 2024.

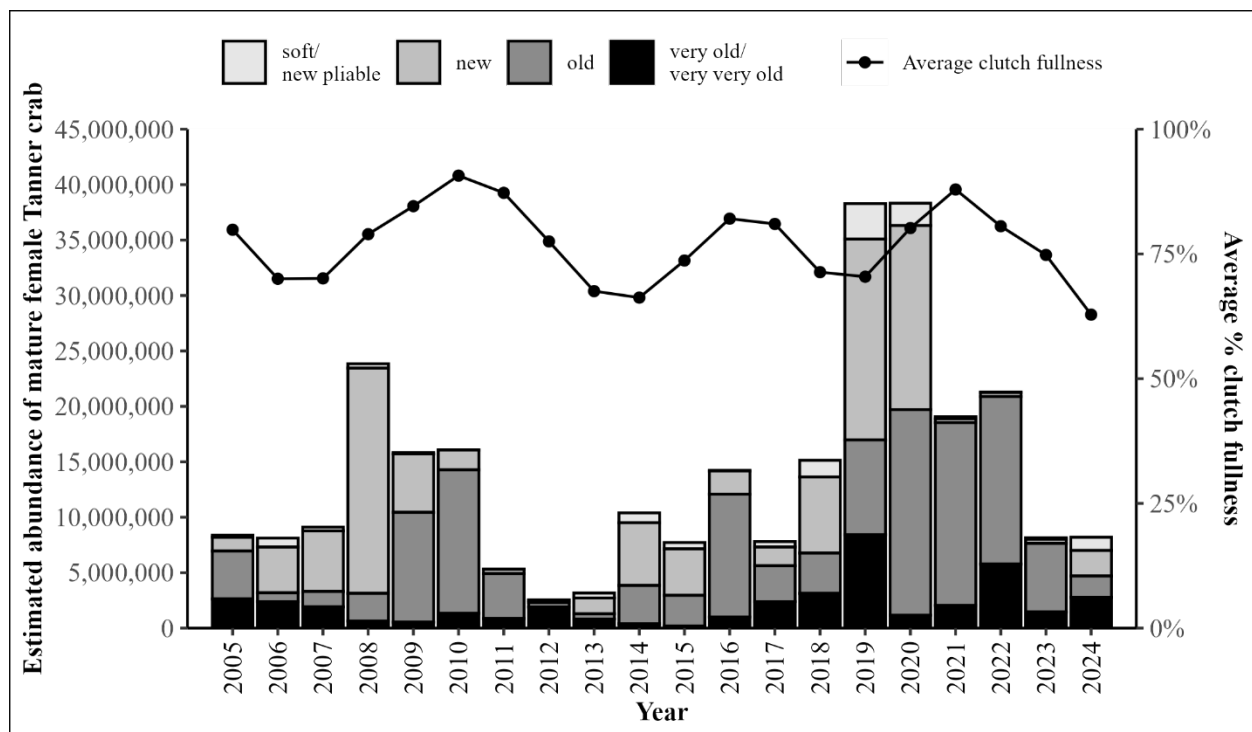


Figure 11.—Tanner crab mature female abundance by shell condition and average clutch fullness for the Kodiak District from the 2005–2024 large-mesh bottom trawl surveys.

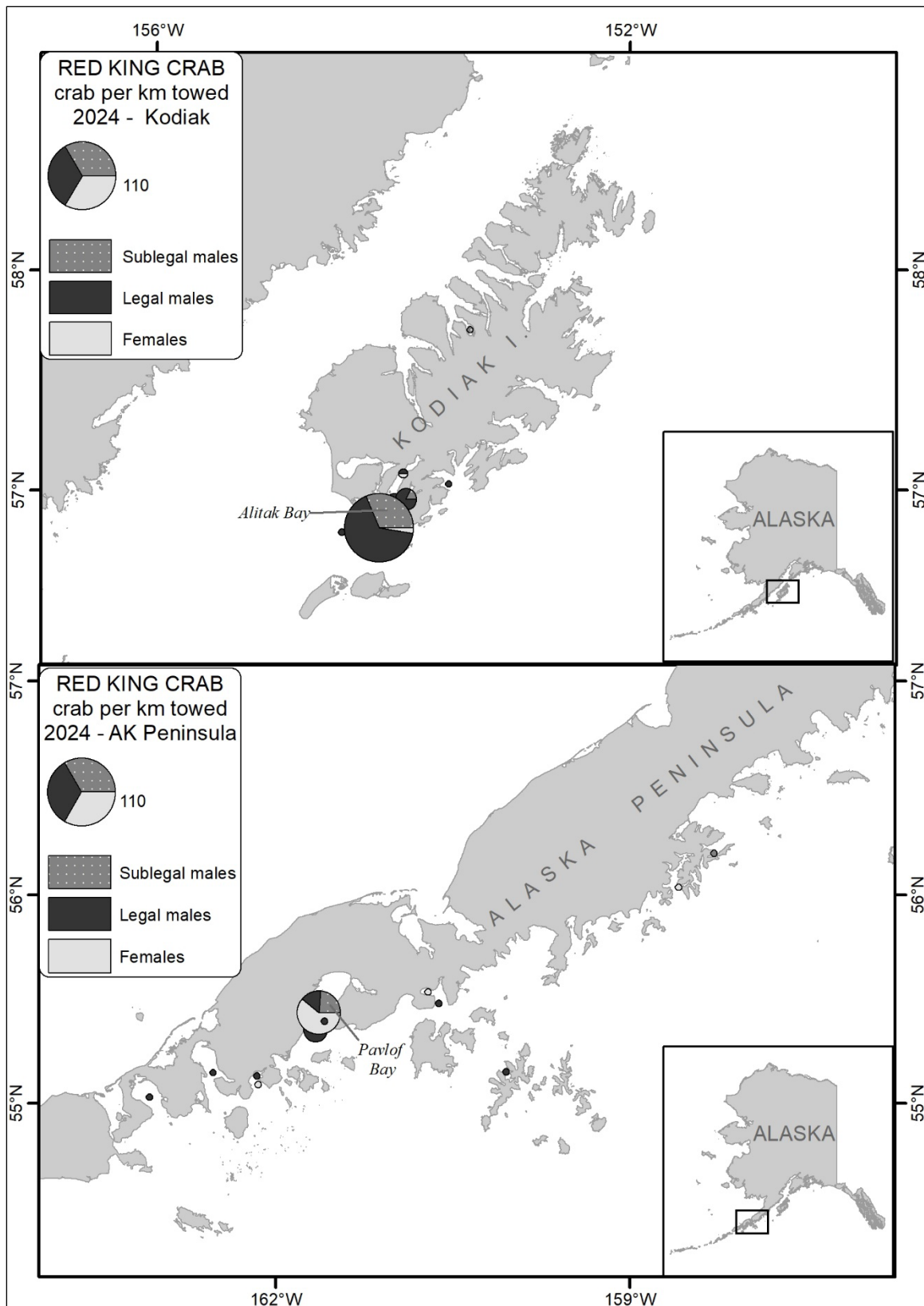


Figure 12.—Number of red king crab per kilometer towed in the 2024 Kodiak (upper) and Alaska Peninsula (lower) Areas large-mesh bottom trawl survey.

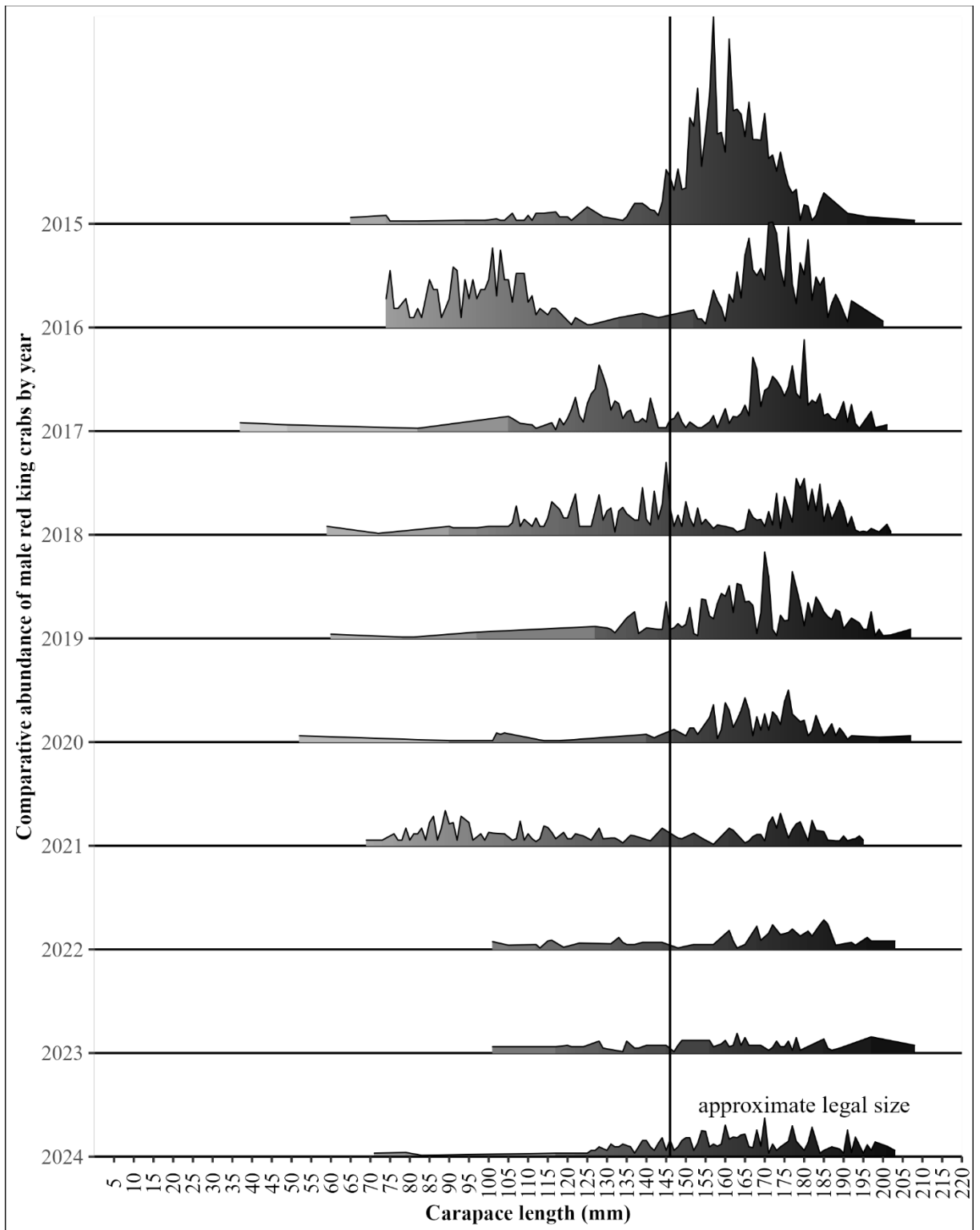


Figure 13.—Red king crab male abundance estimates by carapace length in the Kodiak Area large-mesh bottom trawl surveys, 2015–2024.

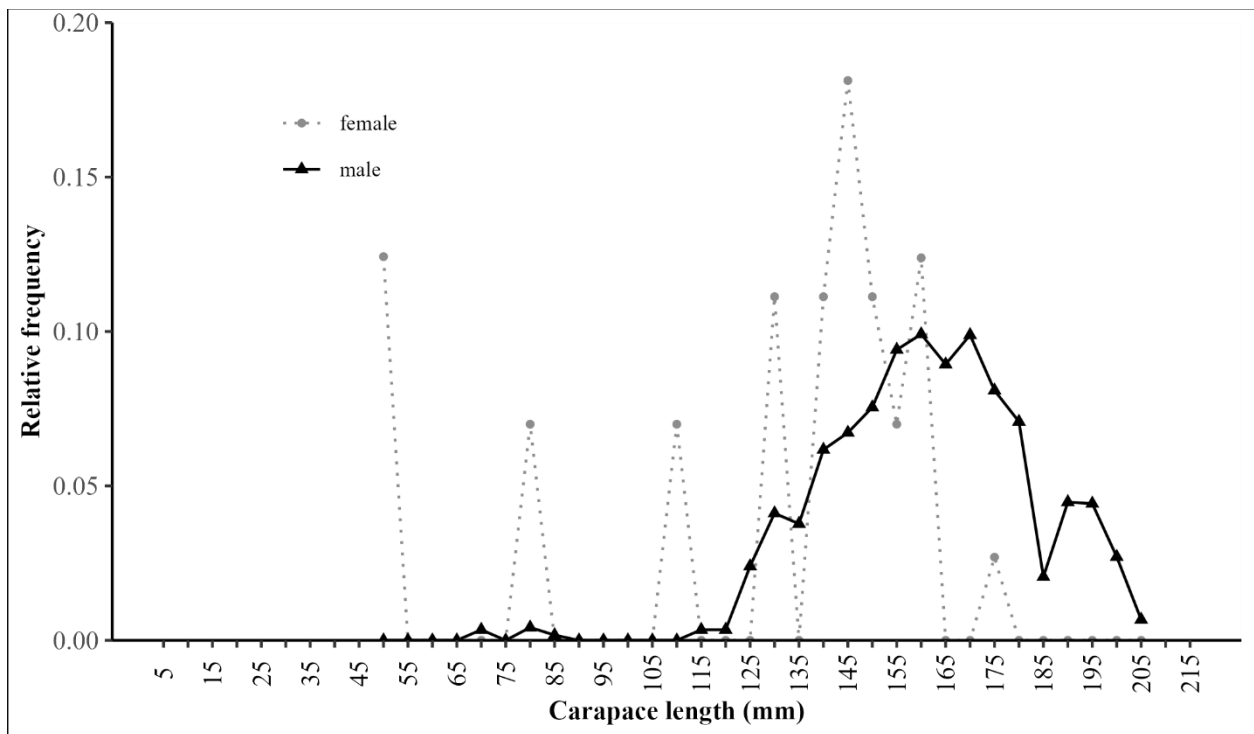


Figure 14.–Red king crab relative size frequency by sex from the Kodiak Area large-mesh bottom trawl survey, 2024.

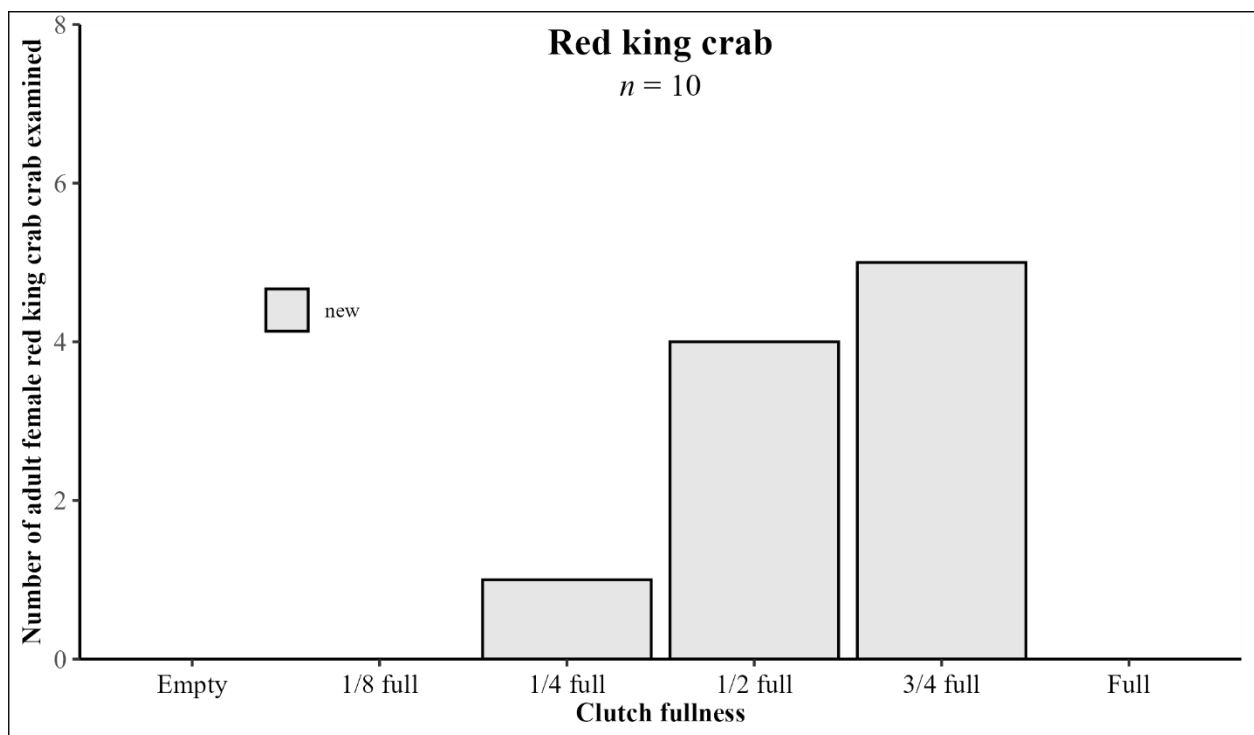


Figure 15.–Red king crab mature female egg clutch fullness by shell condition in the Kodiak Area large-mesh bottom trawl survey, 2024.

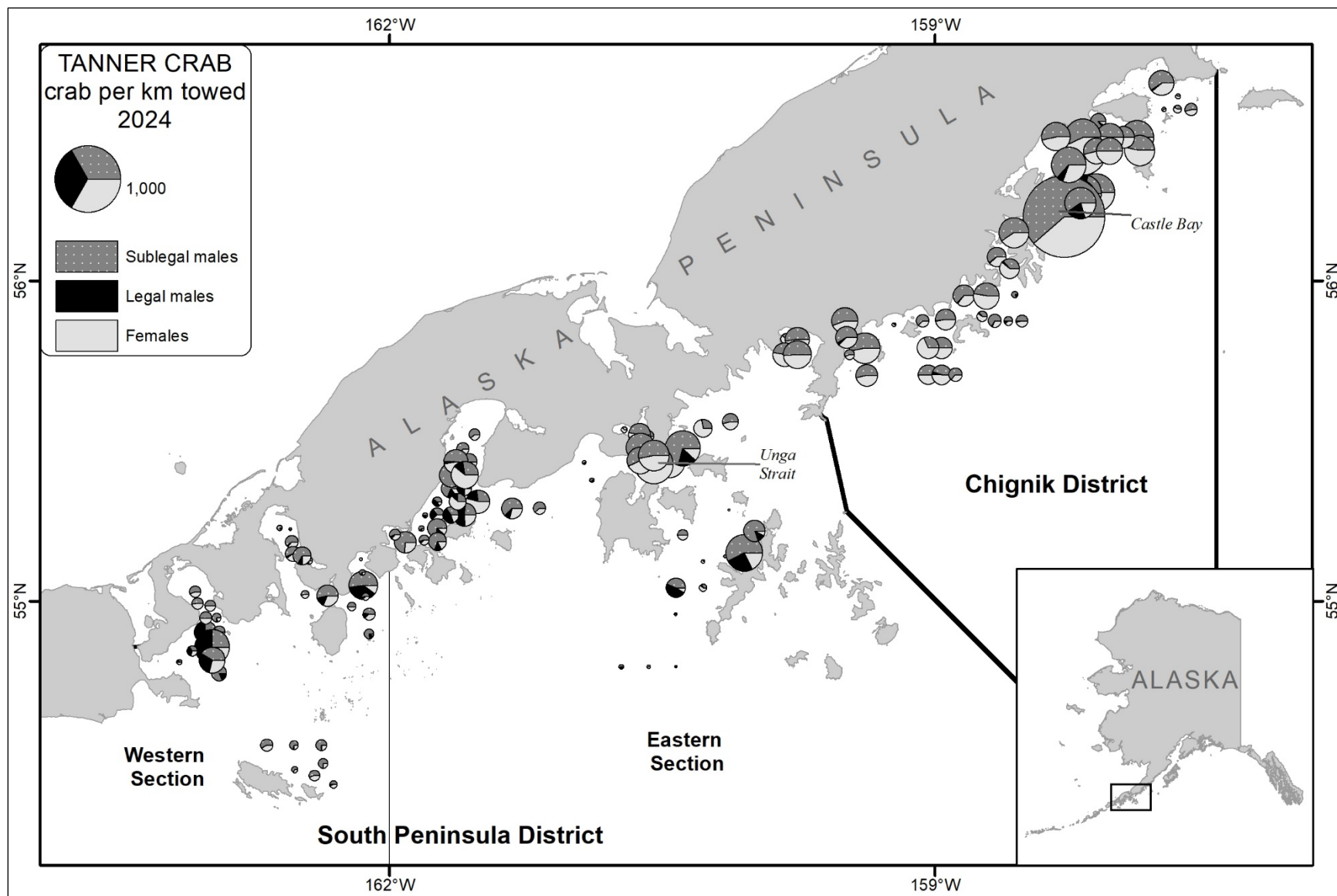


Figure 16.—Number of Tanner crab per kilometer towed in the 2024 South Peninsula and Chignik Districts large-mesh bottom trawl survey.

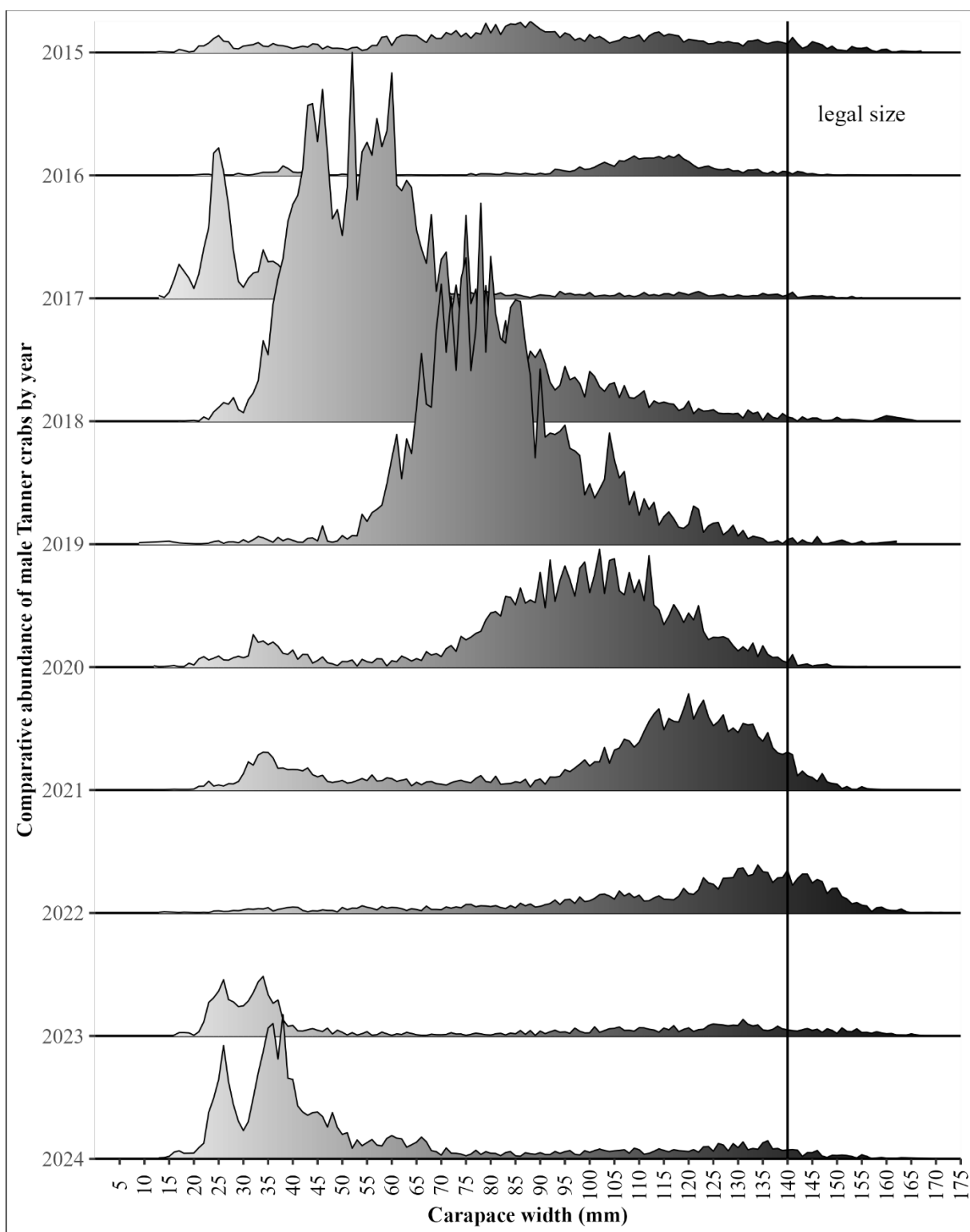


Figure 17.—Tanner crab male abundance estimates by carapace width in the Chignik District large-mesh bottom trawl surveys, 2015–2024.

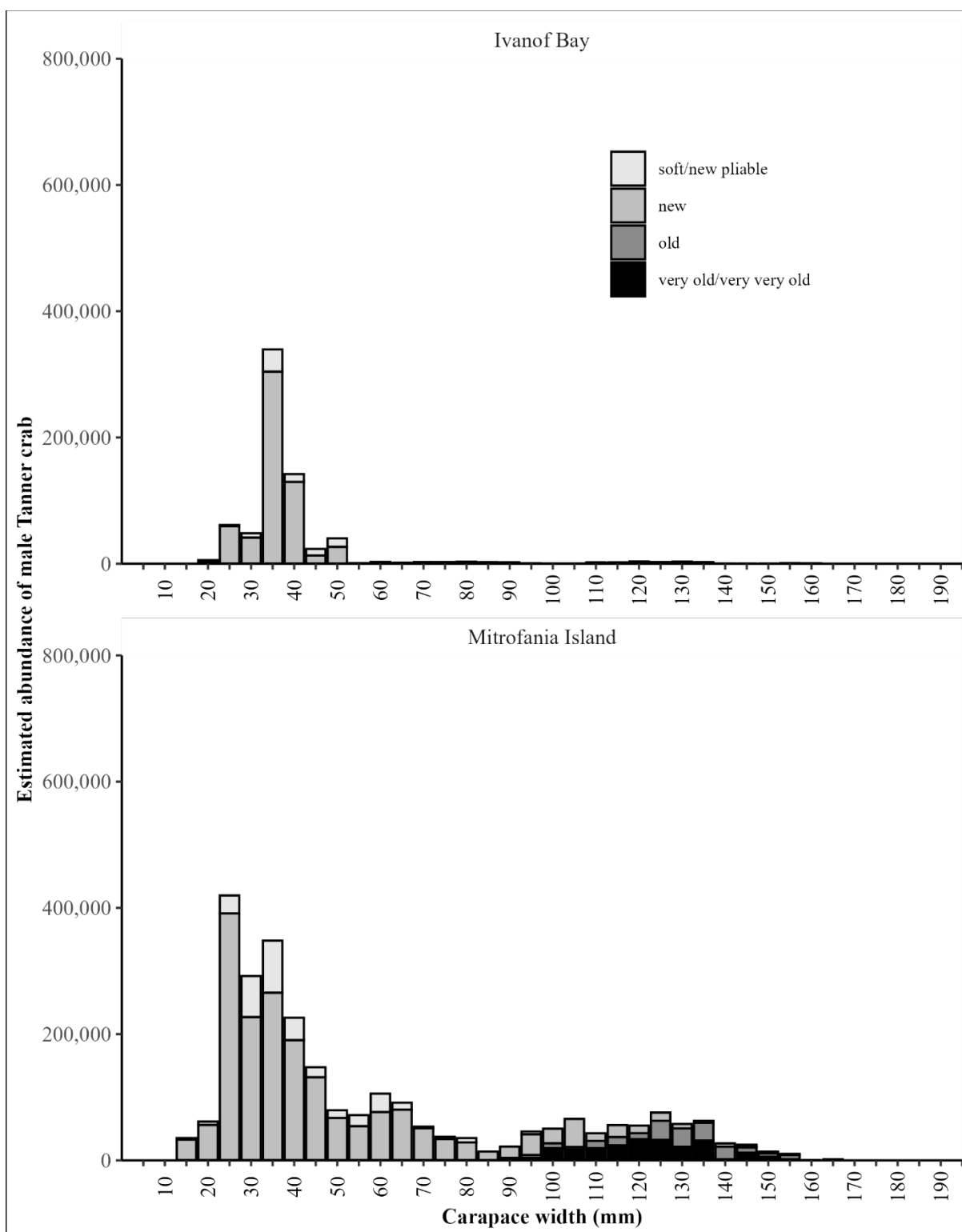


Figure 18.—Tanner crab male abundance estimate by carapace width and shell condition from Ivanof Bay and Mitrofanina in the 2024 Chignik District large-mesh bottom trawl survey.

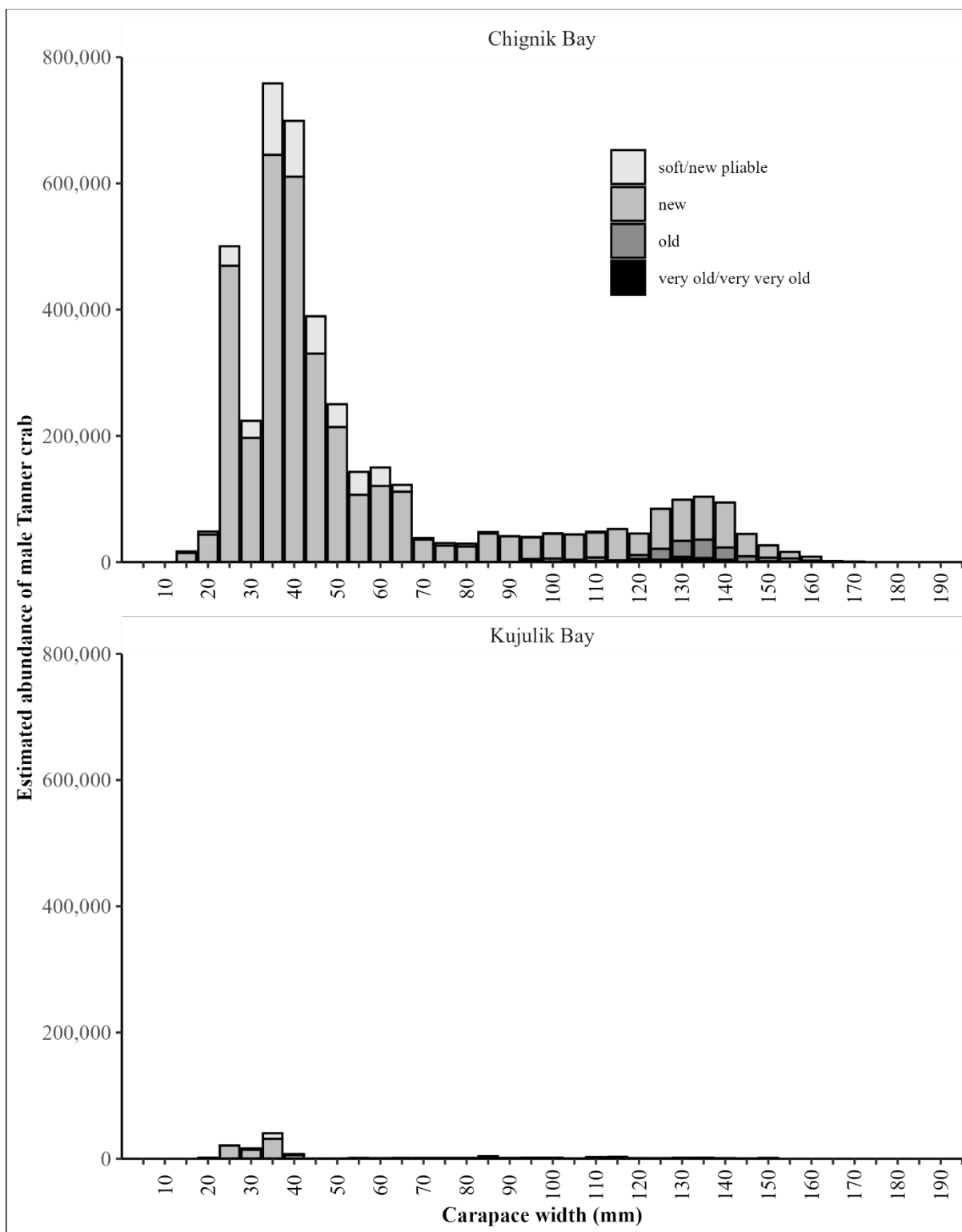


Figure 19.—Tanner crab male abundance estimate by carapace width and shell condition from Chignik Bay and Kujulik Bay in the 2024 Chignik District large-mesh bottom trawl survey.

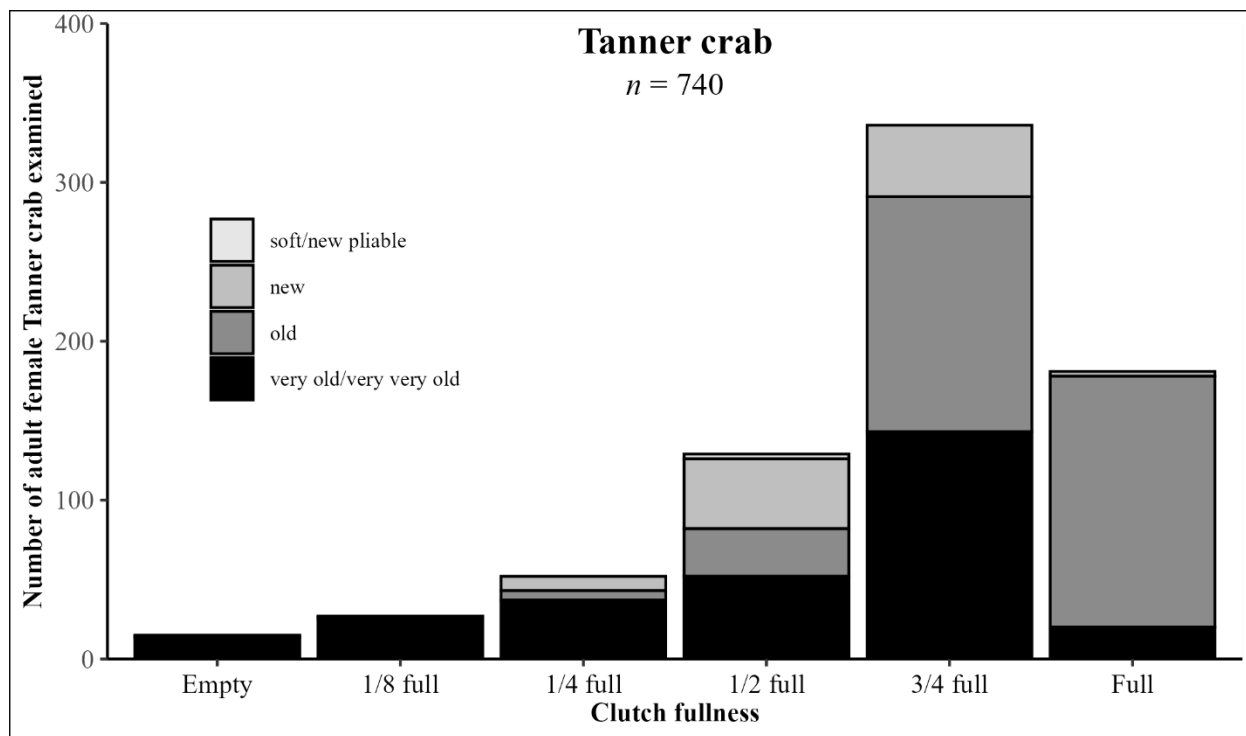


Figure 20.—Tanner crab mature female egg clutch fullness by shell condition in the Chignik District large-mesh bottom trawl survey, 2024.

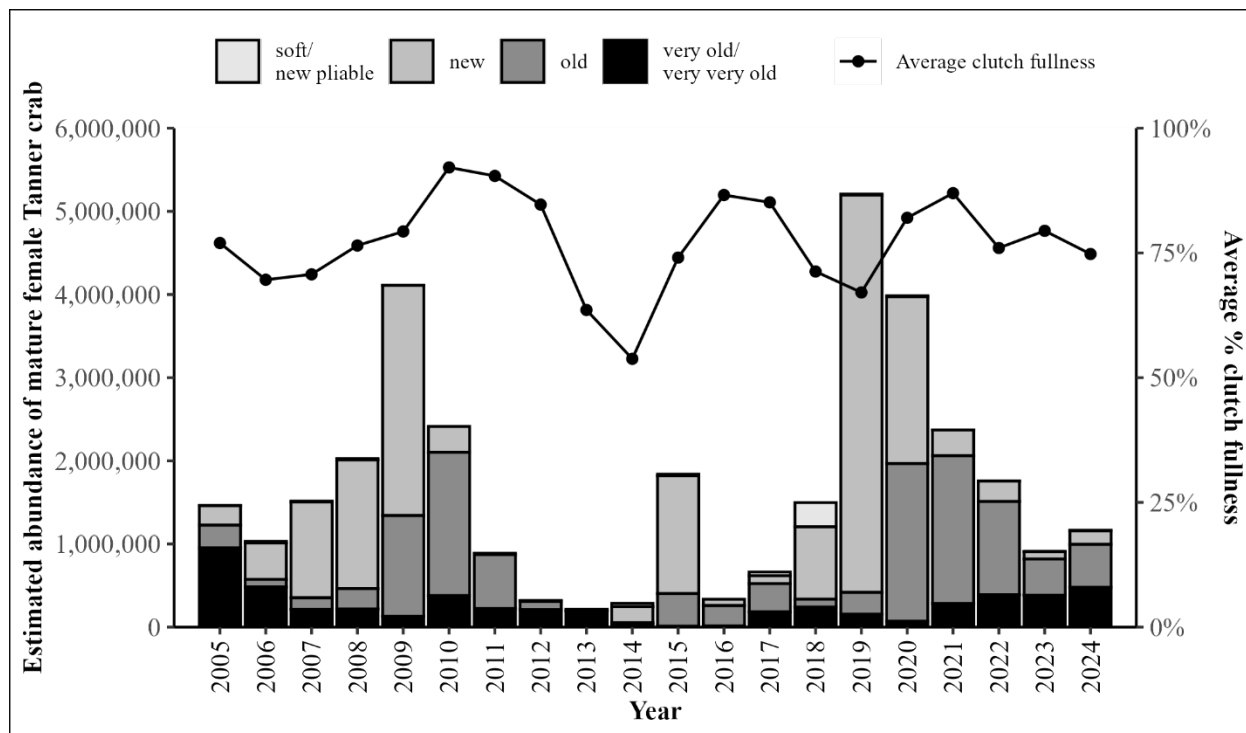


Figure 21.—Tanner crab mature female abundance by shell condition and average clutch fullness for the Chignik District from the 2005–2024 large-mesh bottom trawl surveys.

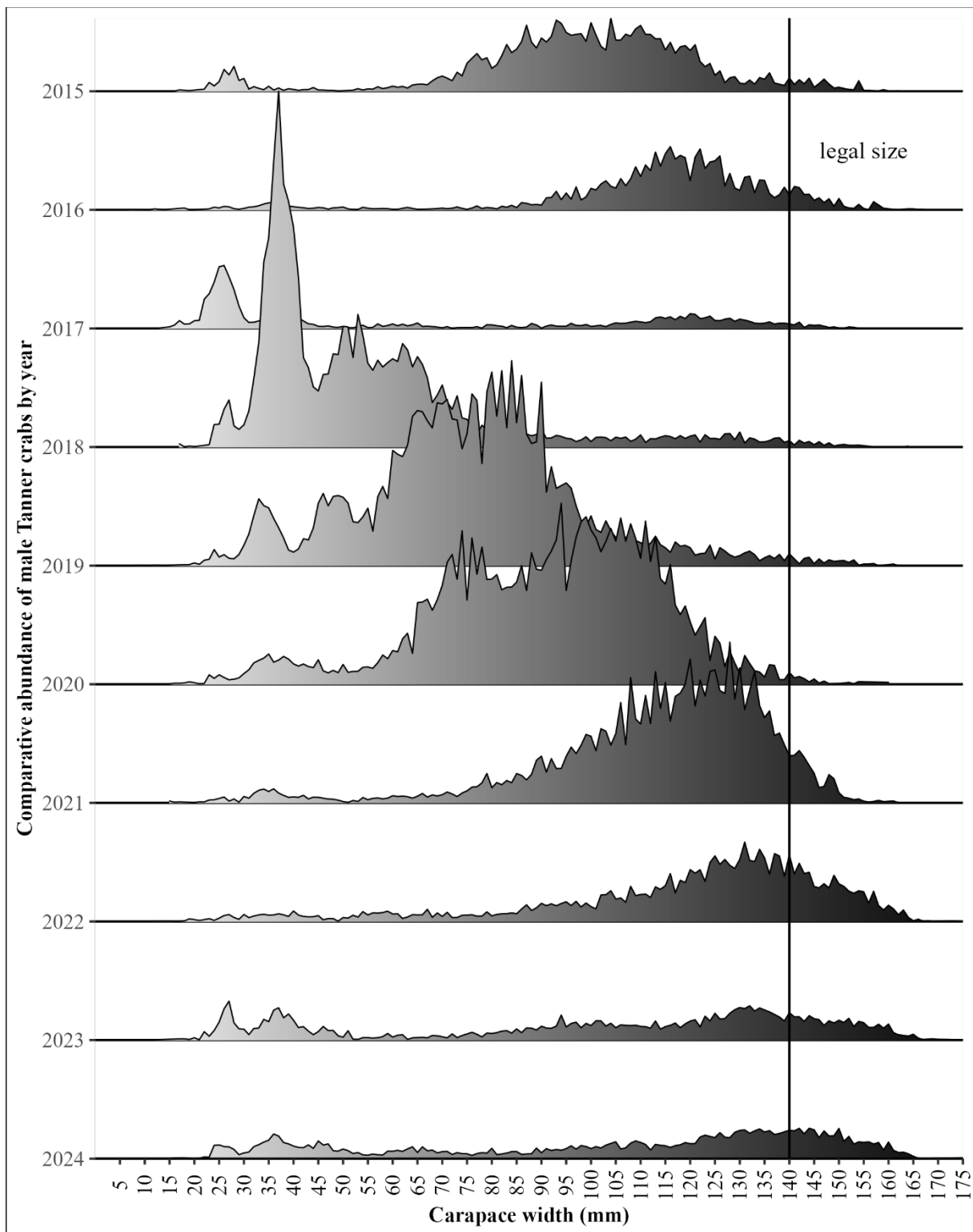


Figure 22.—Tanner crab male abundance estimates by carapace width in the South Peninsula District large-mesh bottom trawl surveys, 2015–2024.

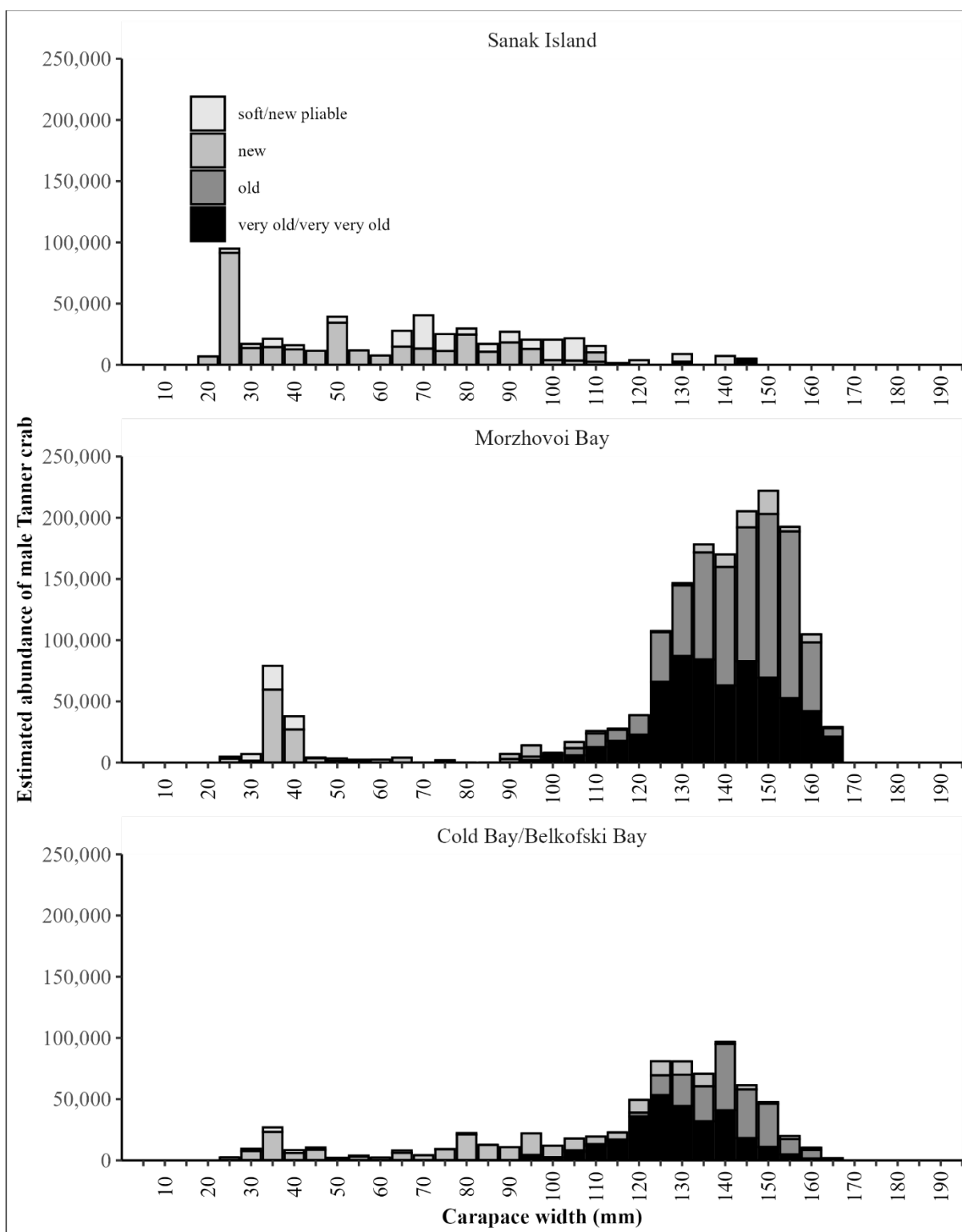


Figure 23.—Tanner crab male abundance estimate by carapace width and shell condition from Morzhovoi Bay and Cold Bay/Belkofski Bay in the Western Section of the 2024 South Peninsula District large-mesh bottom trawl survey.

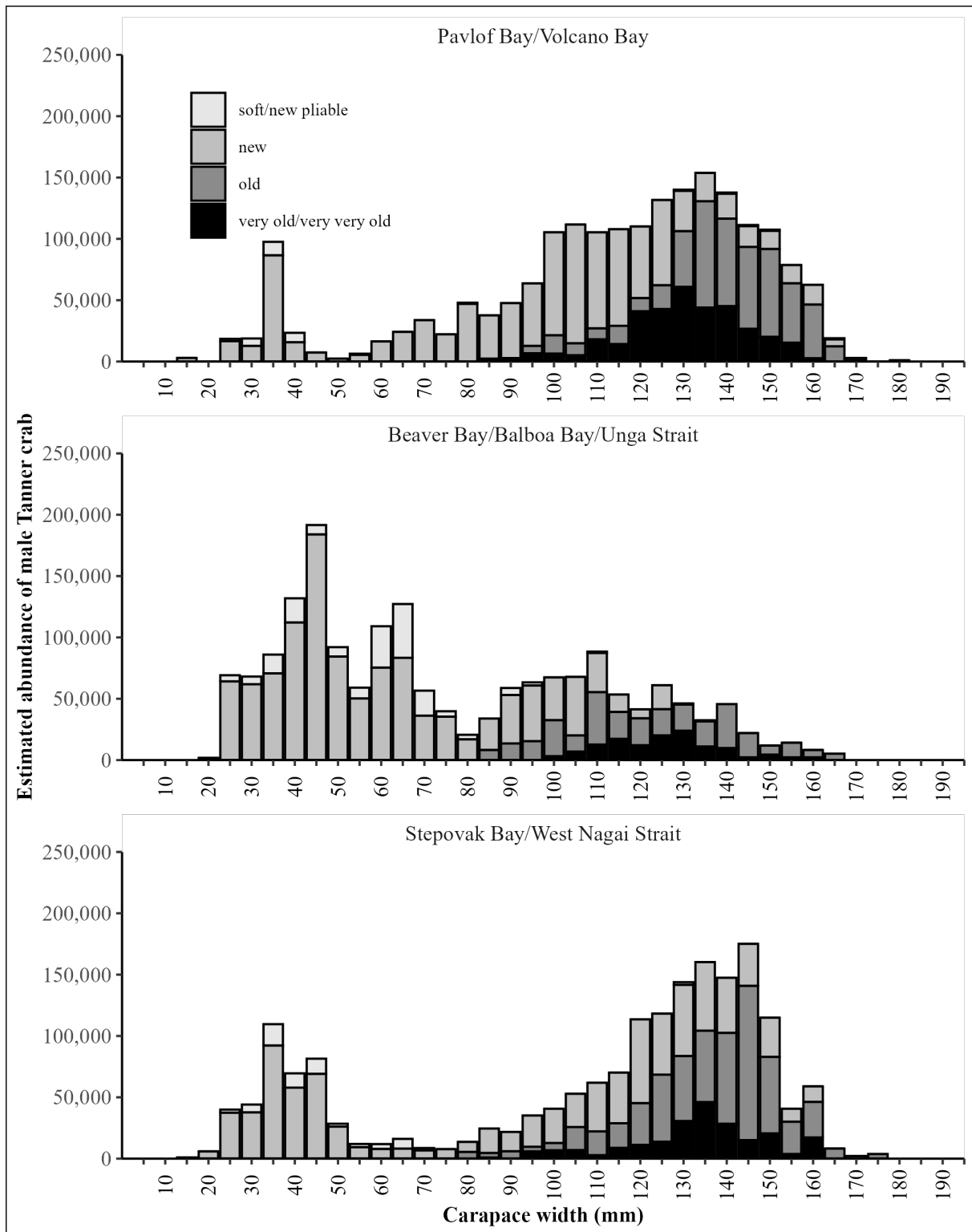


Figure 24.—Tanner crab male abundance estimate by carapace width and shell condition from Pavlof Bay/Volcano Bay, Beaver Bay/Balboa Bay/Unga Strait, and West Nagai Strait in the Eastern Section of the 2024 South Peninsula District large-mesh bottom trawl survey.

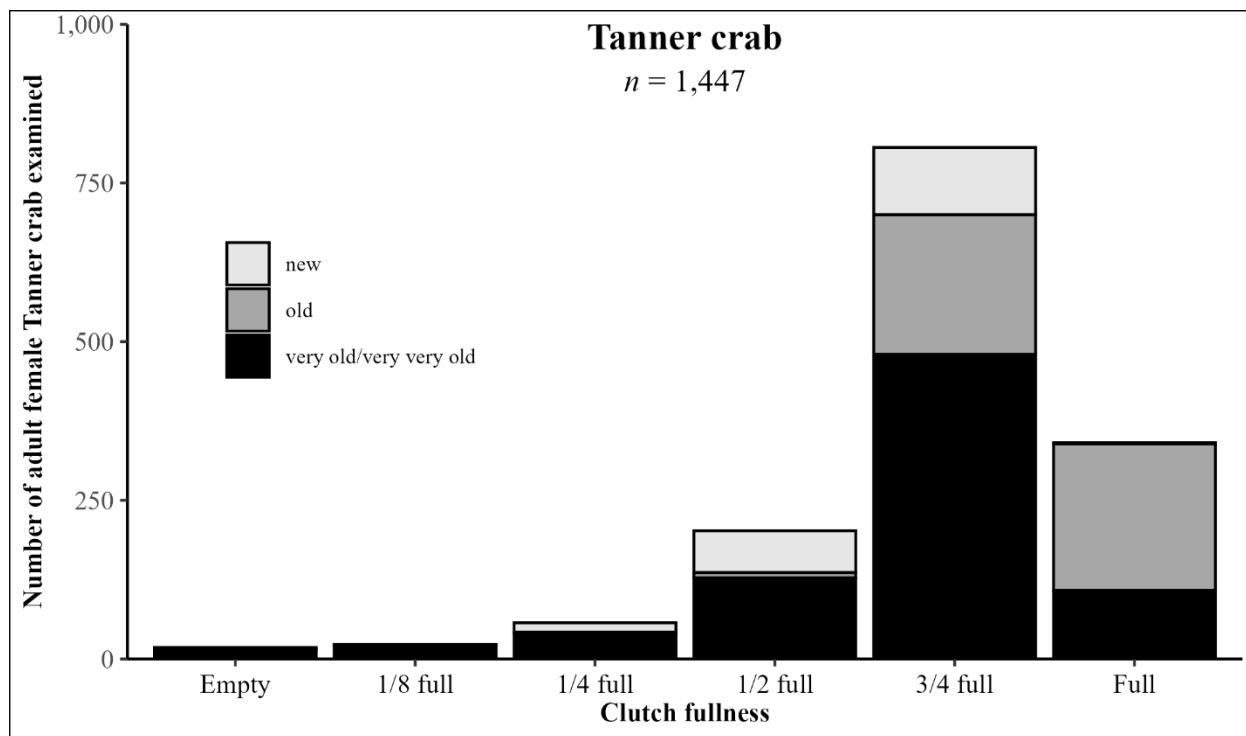


Figure 25.—Tanner crab mature female egg clutch fullness by shell condition in the South Peninsula District large-mesh bottom trawl survey, 2024.

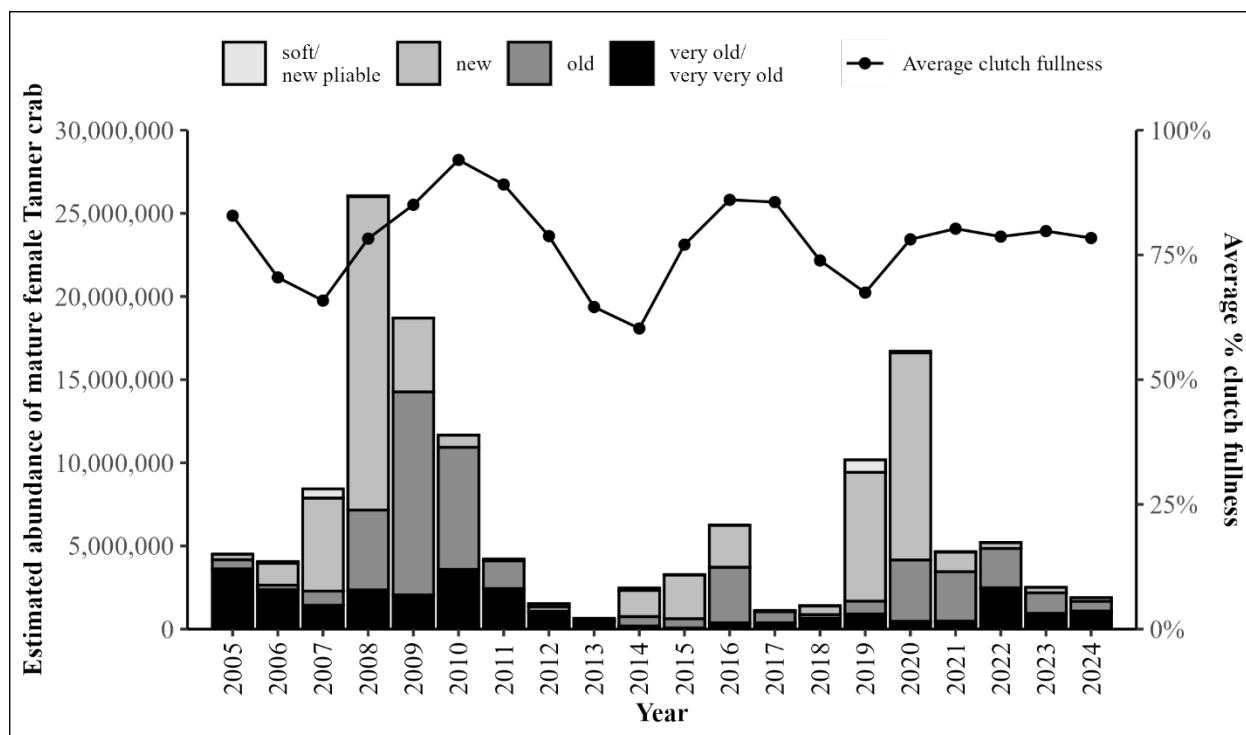


Figure 26.—Tanner crab mature female abundance by shell condition and average clutch fullness for the South Peninsula District from the 2005–2024 large-mesh bottom trawl surveys.

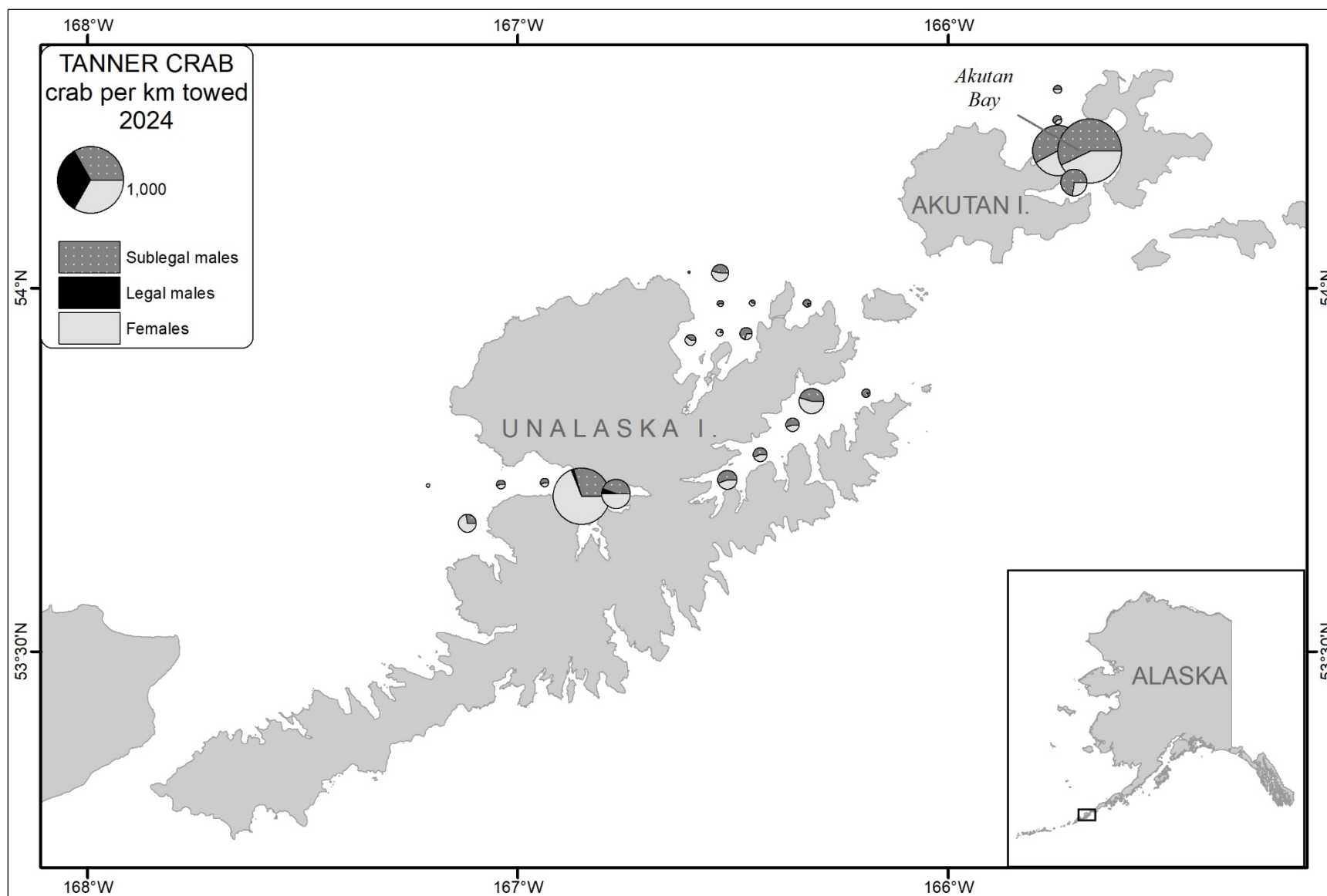


Figure 27.—Number of Tanner crab per kilometer towed in the 2024 Eastern Aleutian District large-mesh trawl survey.

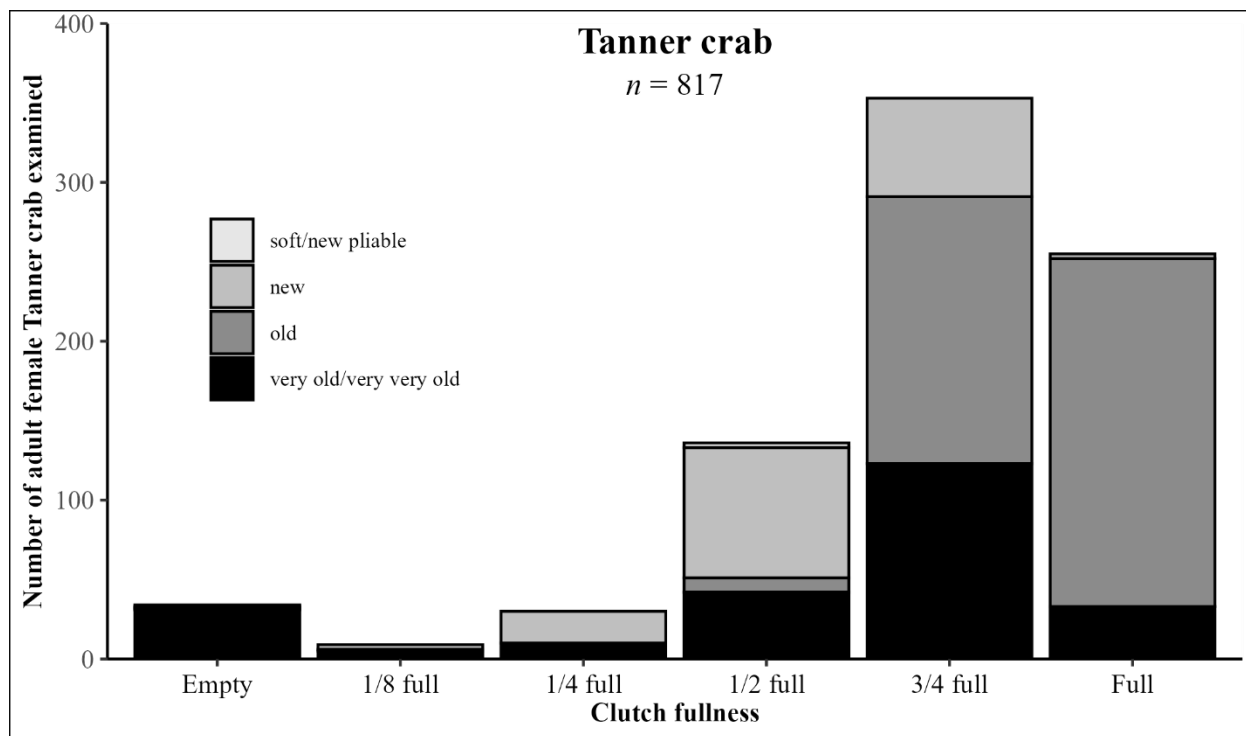


Figure 28.—Tanner crab mature female egg clutch fullness by shell condition in the Eastern Aleutian District large-mesh bottom trawl survey, 2024.

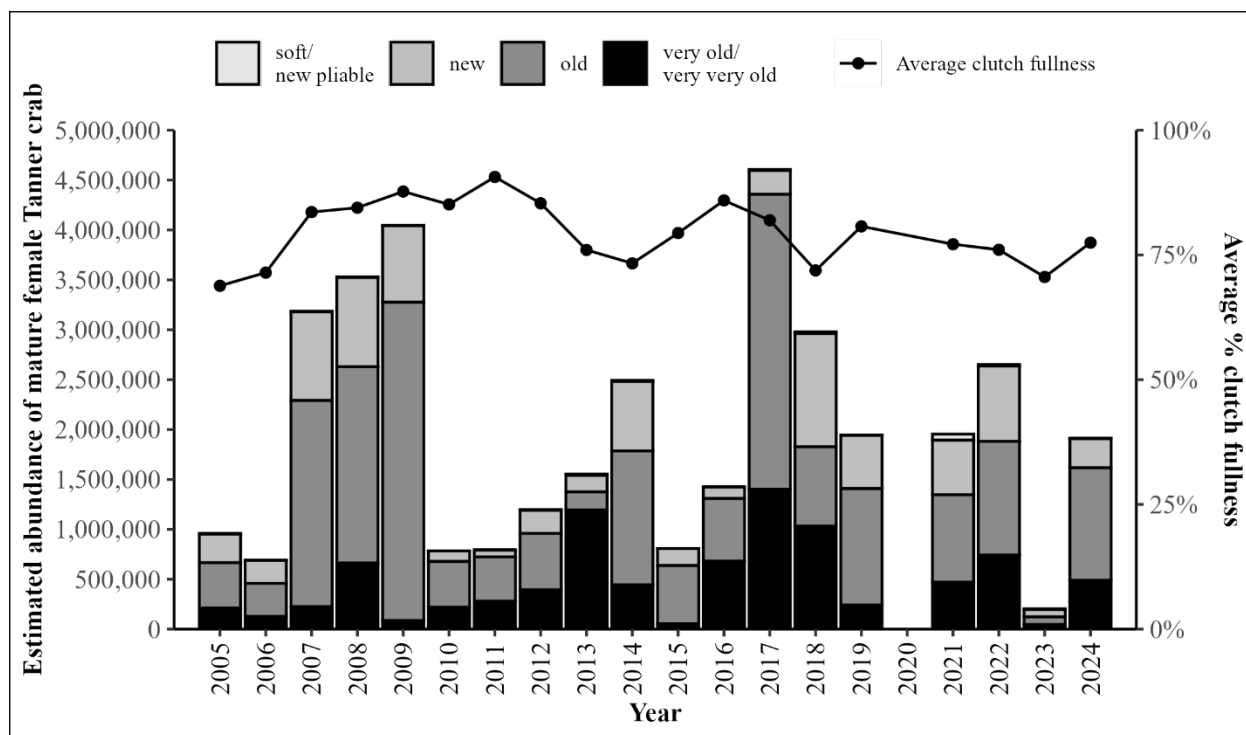


Figure 29.—Tanner crab mature female abundance by shell condition and average clutch fullness for the Eastern Aleutian District from the 2005–2024 large-mesh bottom trawl surveys.

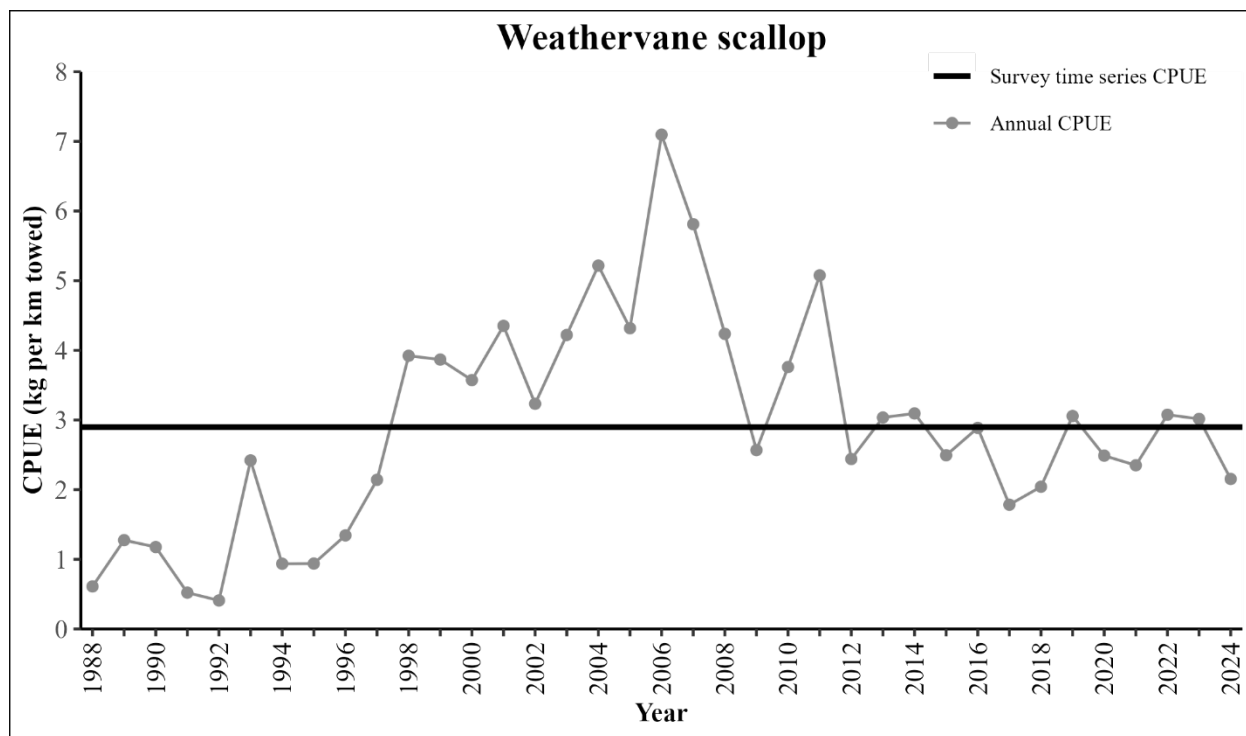


Figure 30.—Weathervane scallop annual CPUE in kilograms per kilometer towed from the 1988–2024 large-mesh bottom trawl surveys.

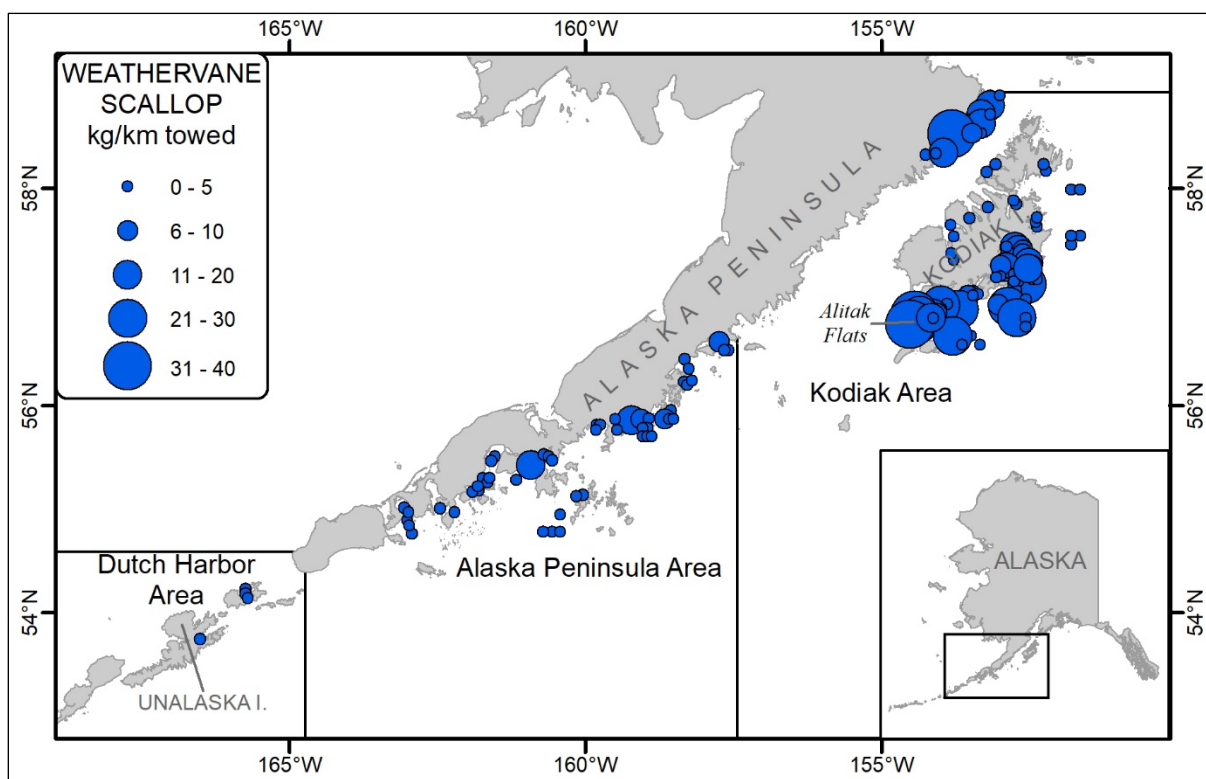


Figure 31.—Weathervane scallop station CPUE in kilograms per kilometer towed from the 2024 large-mesh bottom trawl survey.

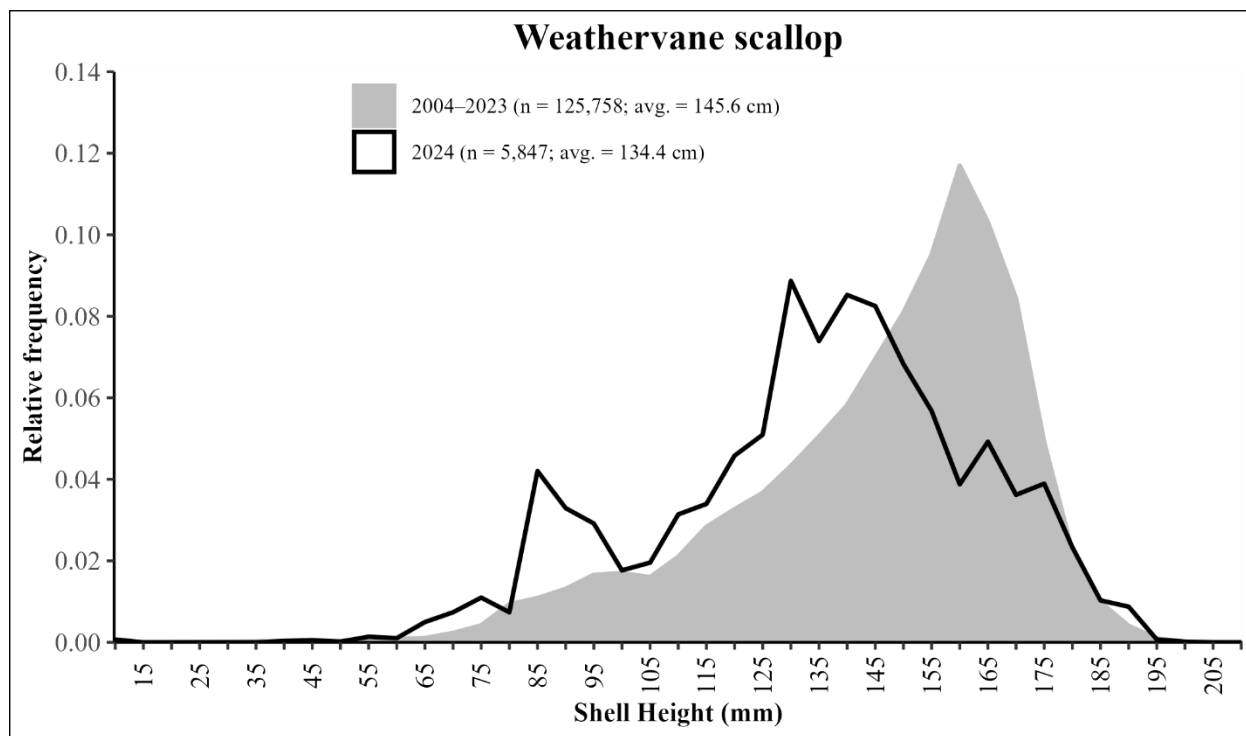


Figure 32.—Weathervane scallop shell height frequency from the large-mesh bottom trawl surveys, 2004–2024.

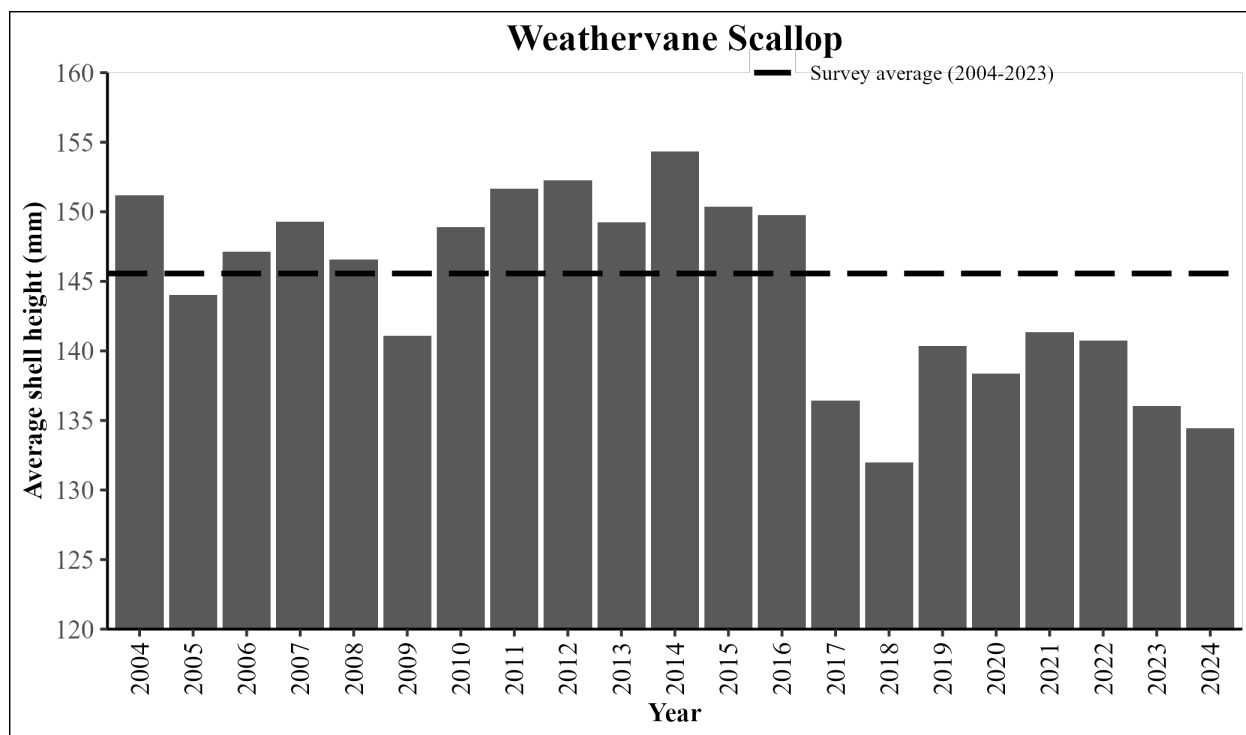


Figure 33.—Average weathervane scallop shell height from scallops caught on the large-mesh bottom trawl surveys, 2004–2024.

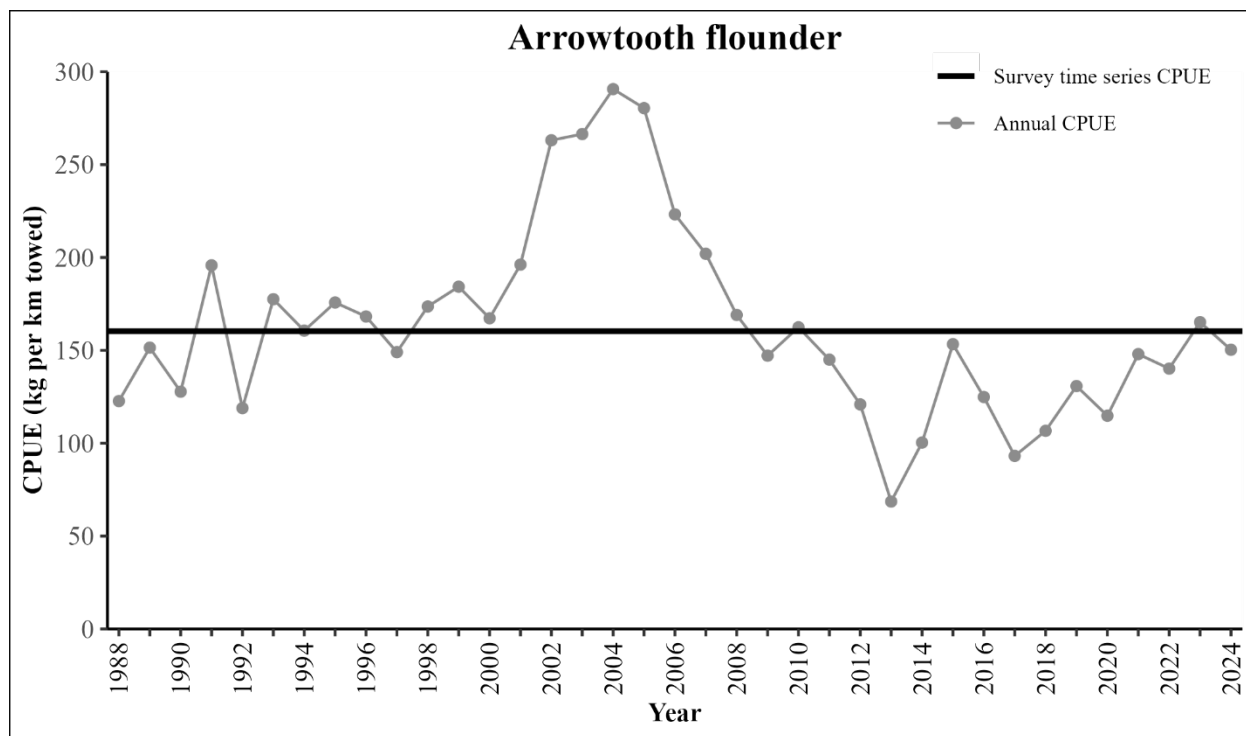


Figure 34.—Arrowtooth flounder annual CPUE in kilograms per kilometer towed from the 1988–2024 large-mesh bottom trawl surveys.

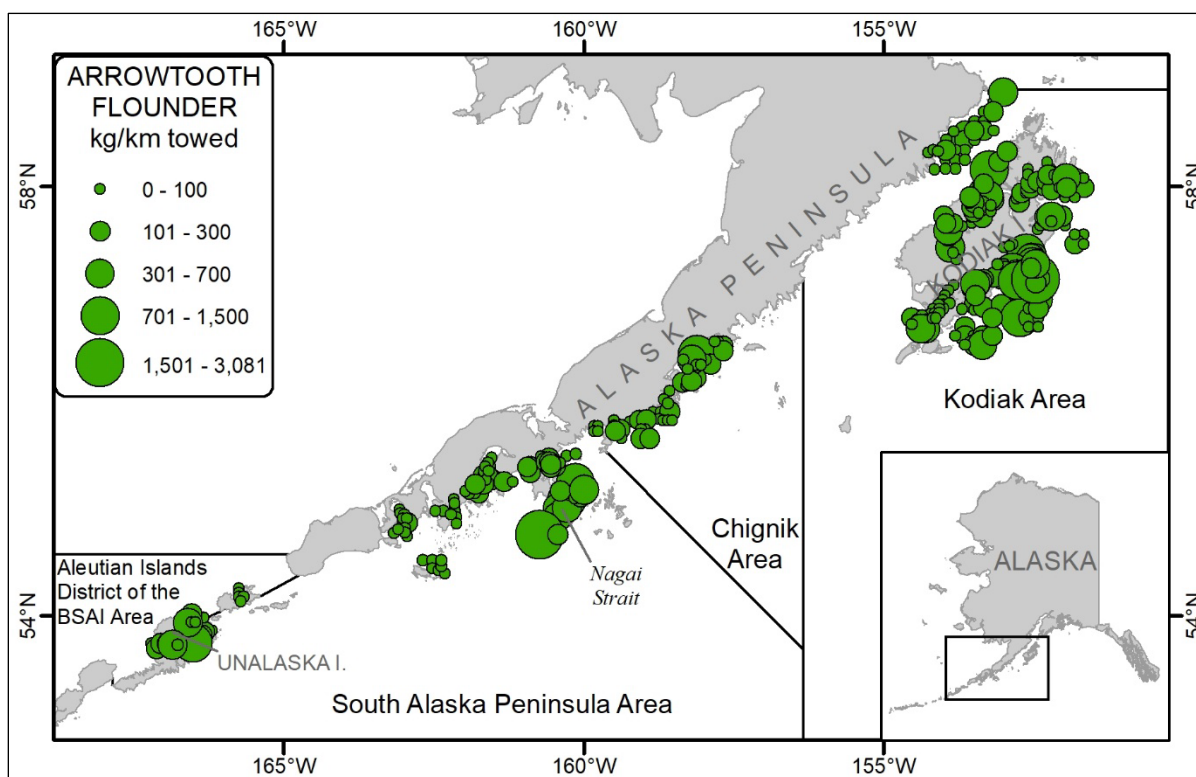


Figure 35.—Arrowtooth flounder station CPUE in kilograms per kilometer towed from the 2024 large-mesh bottom trawl survey.

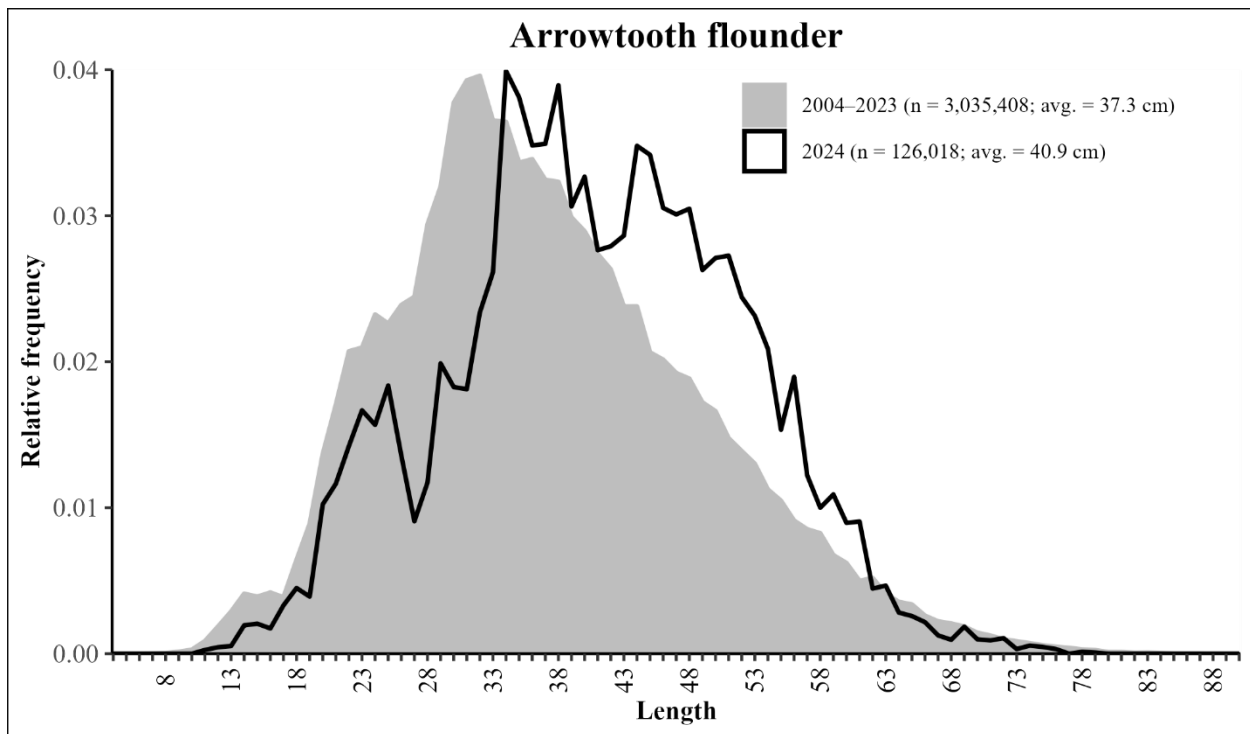


Figure 36.—Arrowtooth flounder length frequency from the large-mesh bottom trawl surveys, 2004–2024.

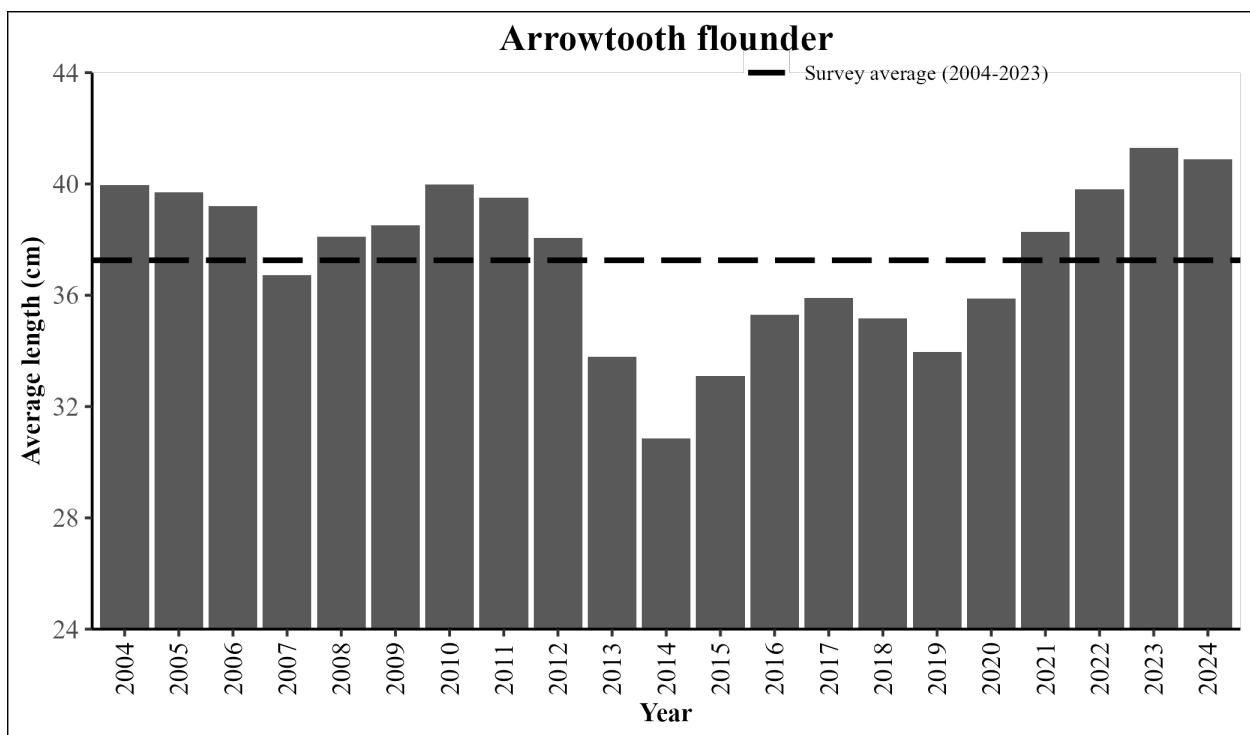


Figure 37.—Average arrowtooth flounder length from fish caught on the large-mesh bottom trawl surveys, 2004–2024.

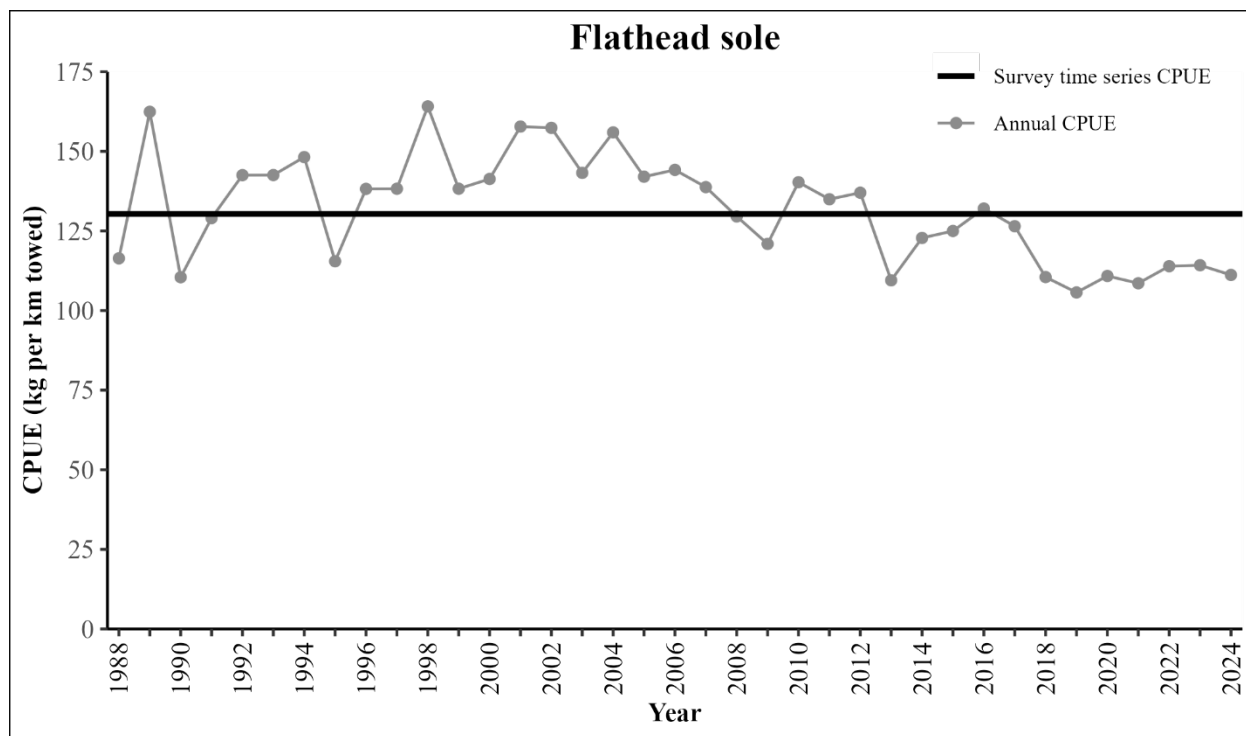


Figure 38.—Flathead sole annual CPUE in kilograms per kilometer towed from the 1988–2024 large-mesh bottom trawl surveys.

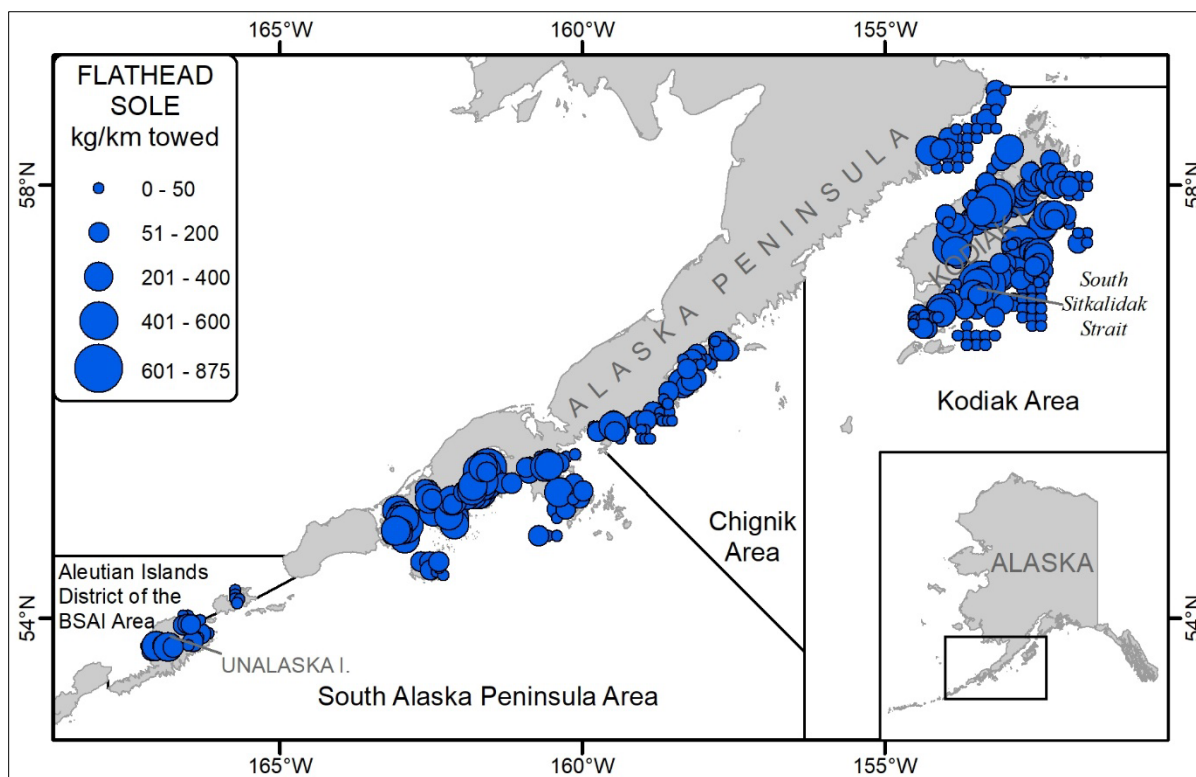


Figure 39.—Flathead sole station CPUE in kilograms per kilometer towed from the 2024 large-mesh bottom trawl survey.

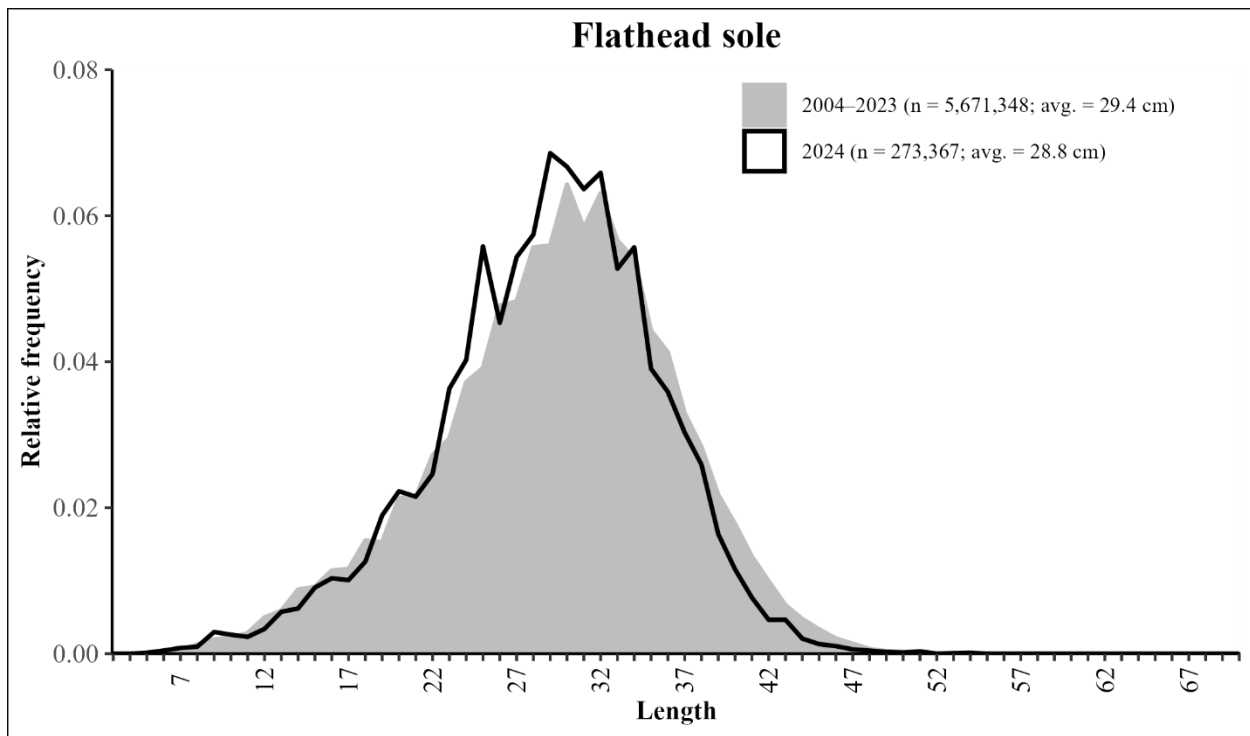


Figure 40.—Flathead sole length frequency from the large-mesh bottom trawl surveys, 2004–2024.

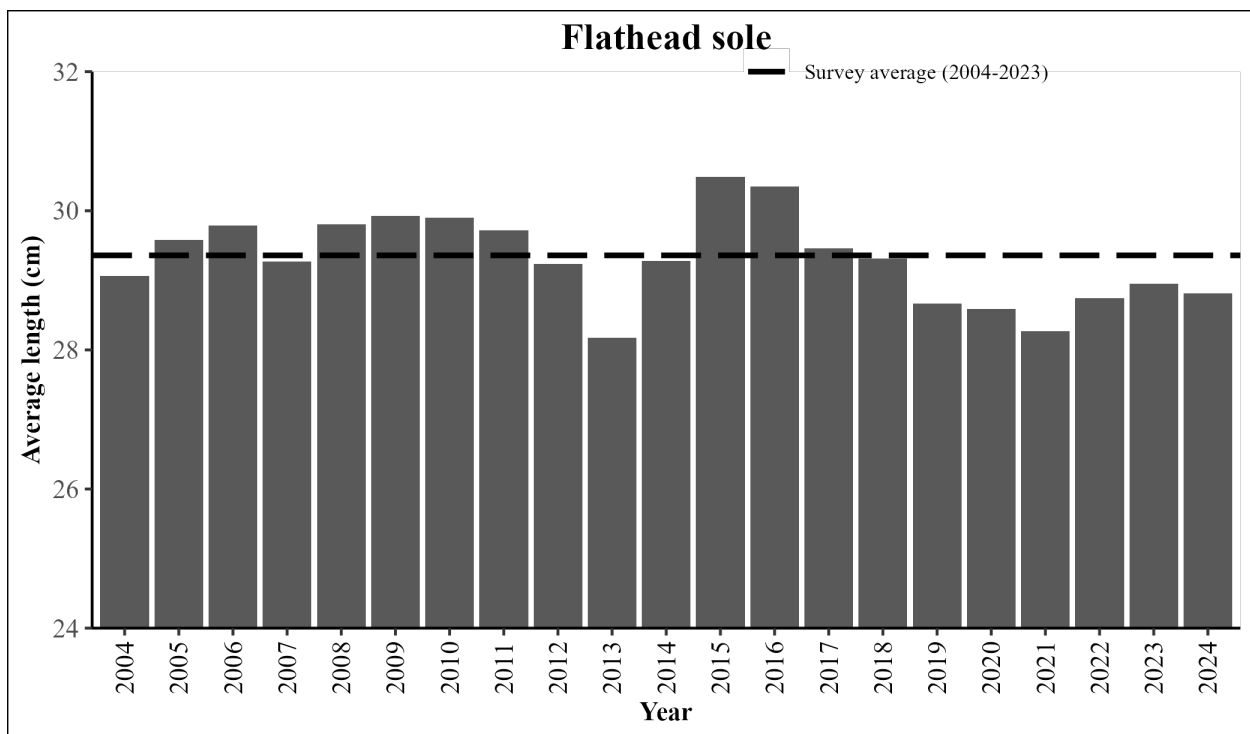


Figure 41.—Average flathead sole length from fish caught on the large-mesh bottom trawl surveys, 2004–2024.

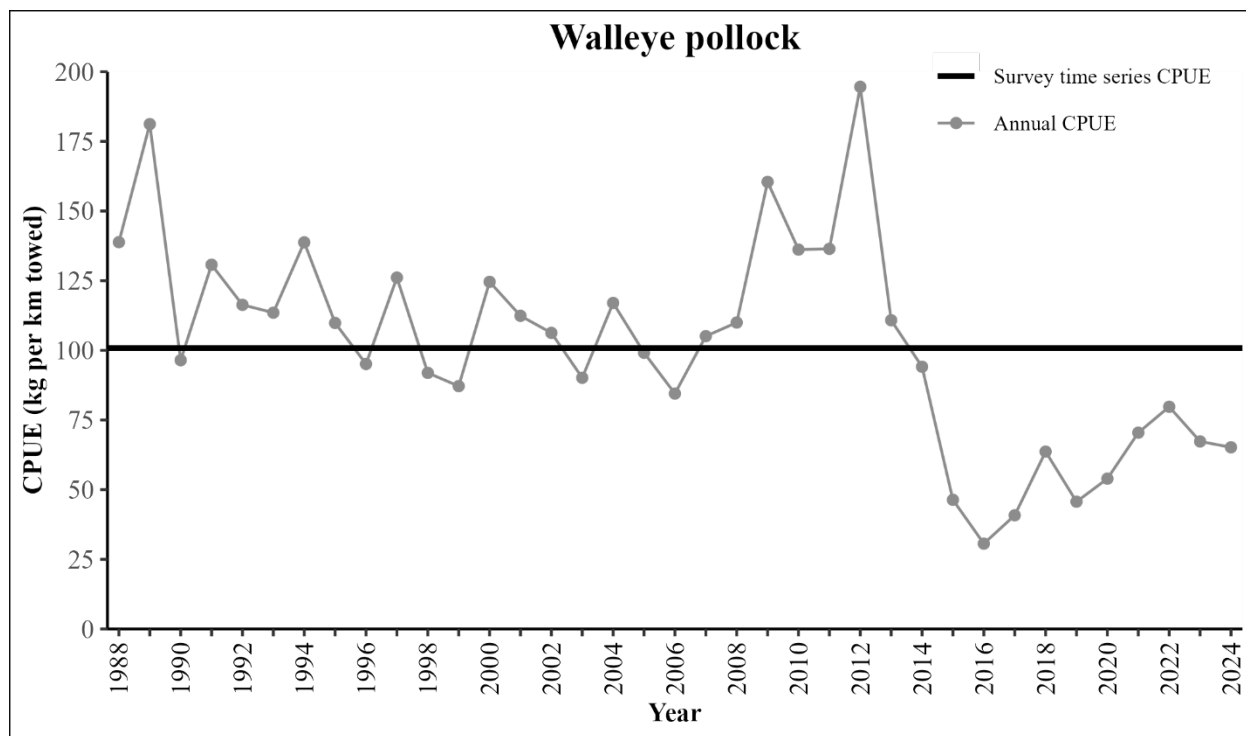


Figure 42.—Walleye pollock annual CPUE in kilograms per kilometer towed from the 1988–2024 large-mesh bottom trawl surveys.

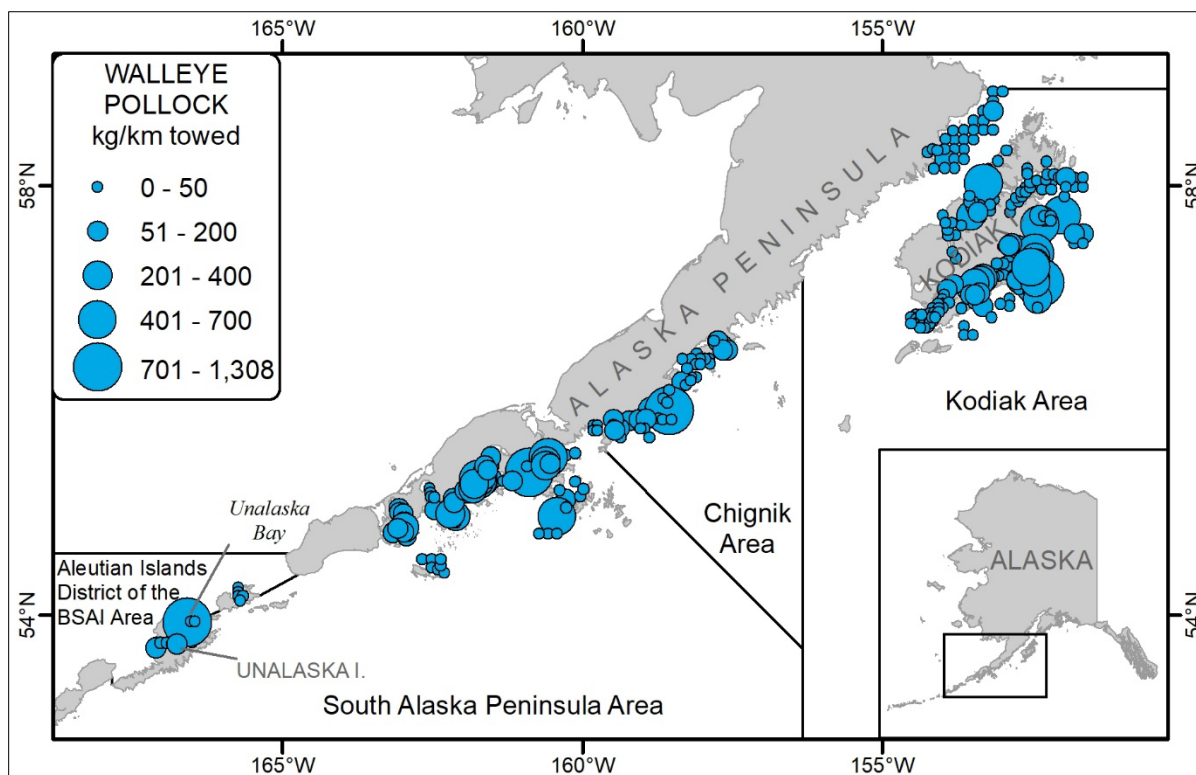


Figure 43.—Walleye pollock station CPUE in kilograms per kilometer towed from the 2024 large-mesh bottom trawl survey.

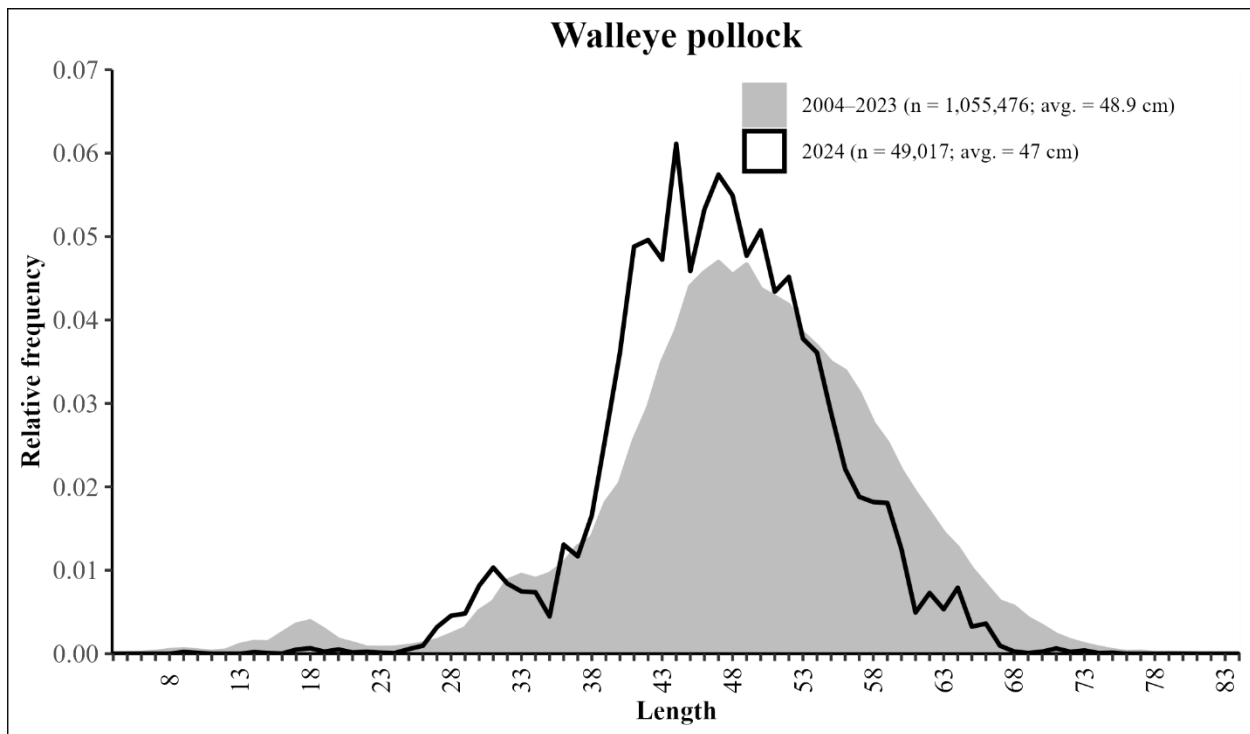


Figure 44.—Walleye pollock length frequency from the large-mesh bottom trawl surveys, 2004–2024.

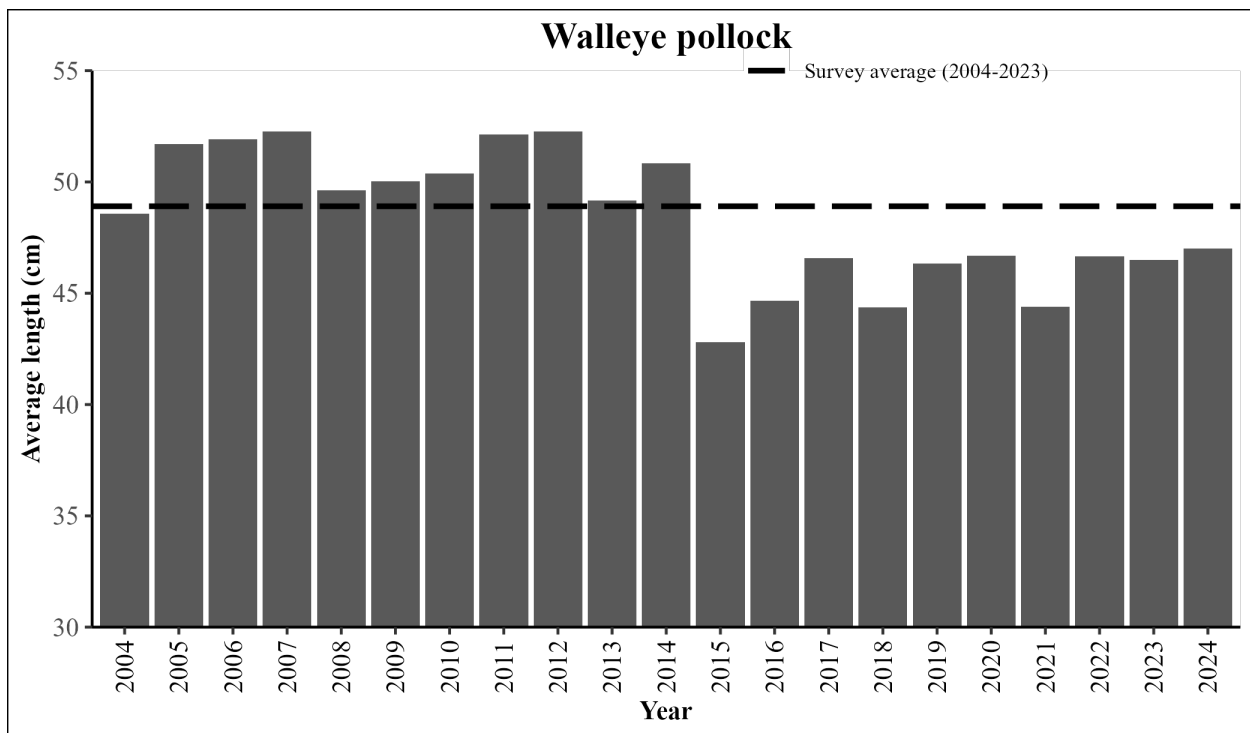


Figure 45.—Average walleye pollock length from fish caught on the large-mesh bottom trawl surveys, 2004–2024.

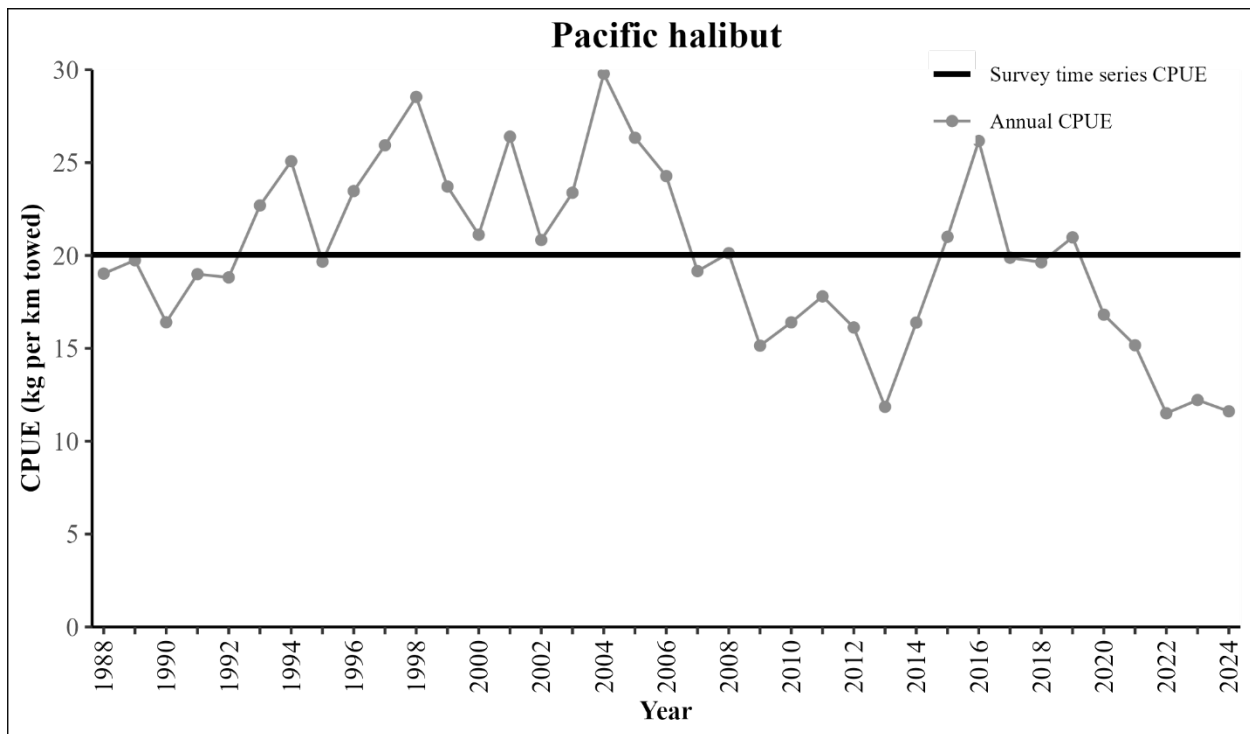


Figure 46.—Pacific halibut annual CPUE in kilograms per kilometer towed from the 1988–2024 large-mesh bottom trawl surveys.

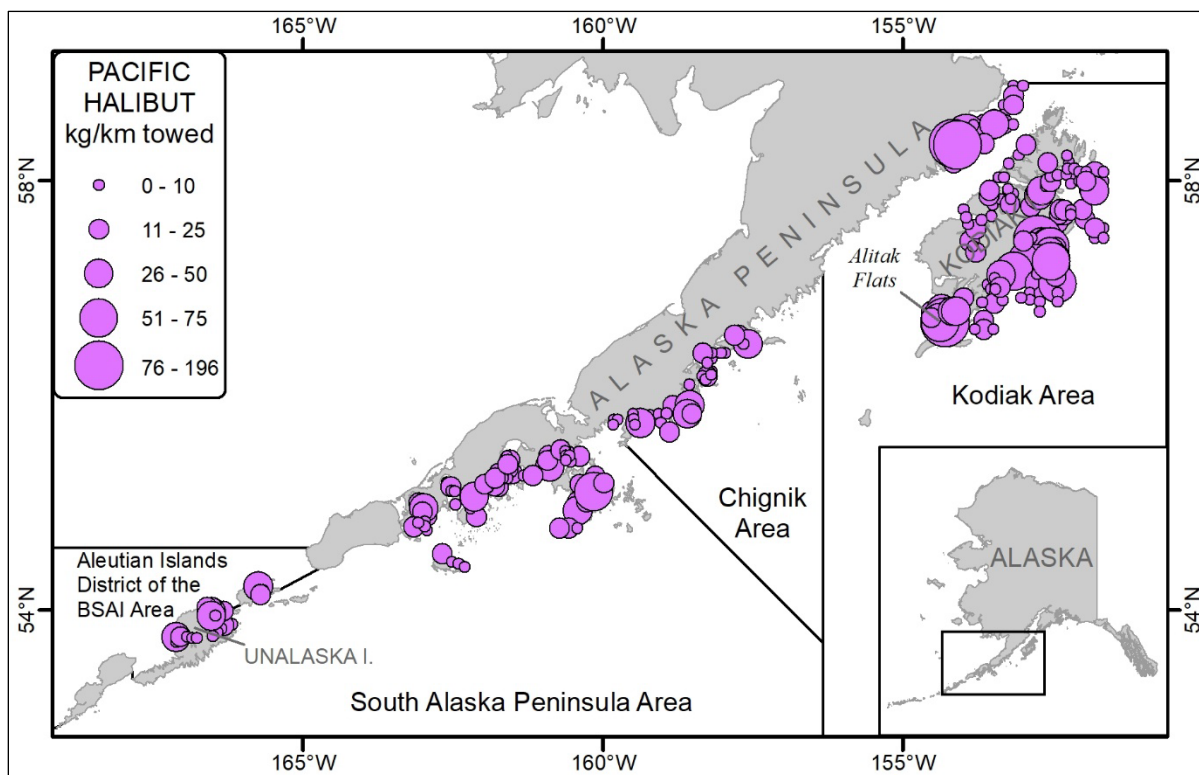


Figure 47.—Pacific halibut station CPUE in kilograms per kilometer towed from the 2024 large-mesh bottom trawl survey.

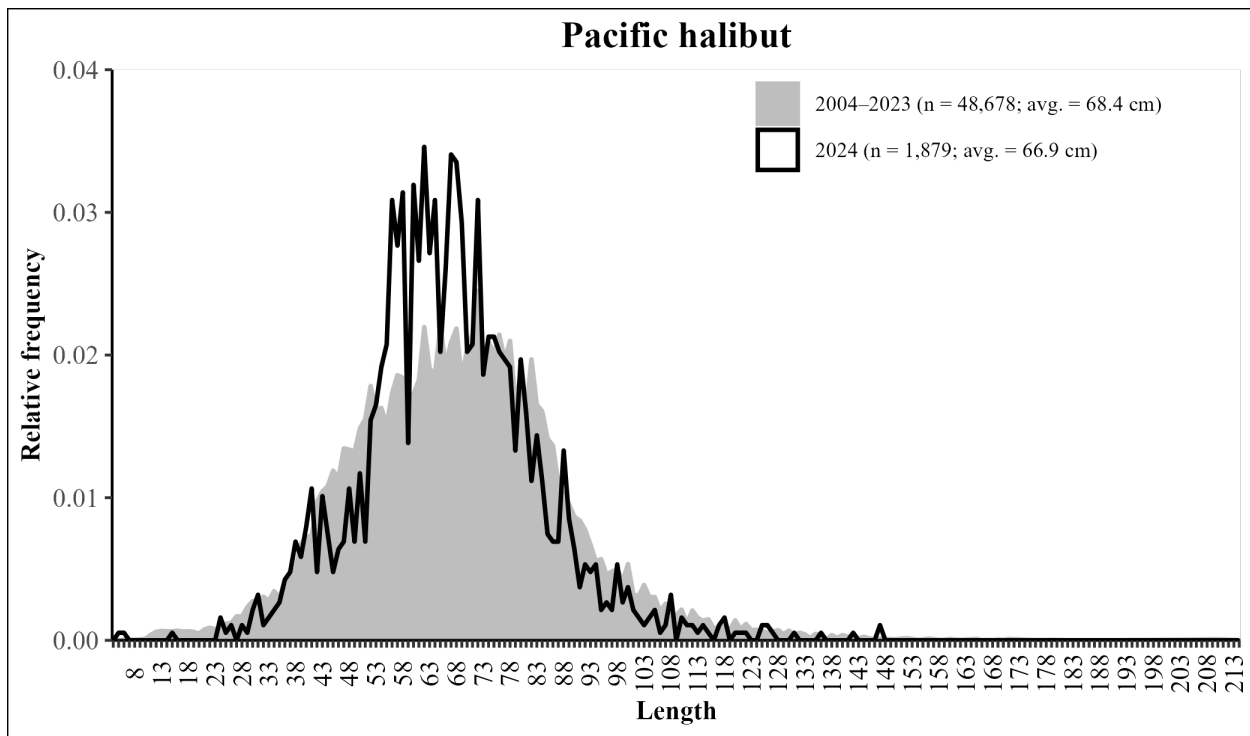


Figure 48.—Pacific halibut length frequency from the large-mesh bottom trawl surveys, 2004–2024.

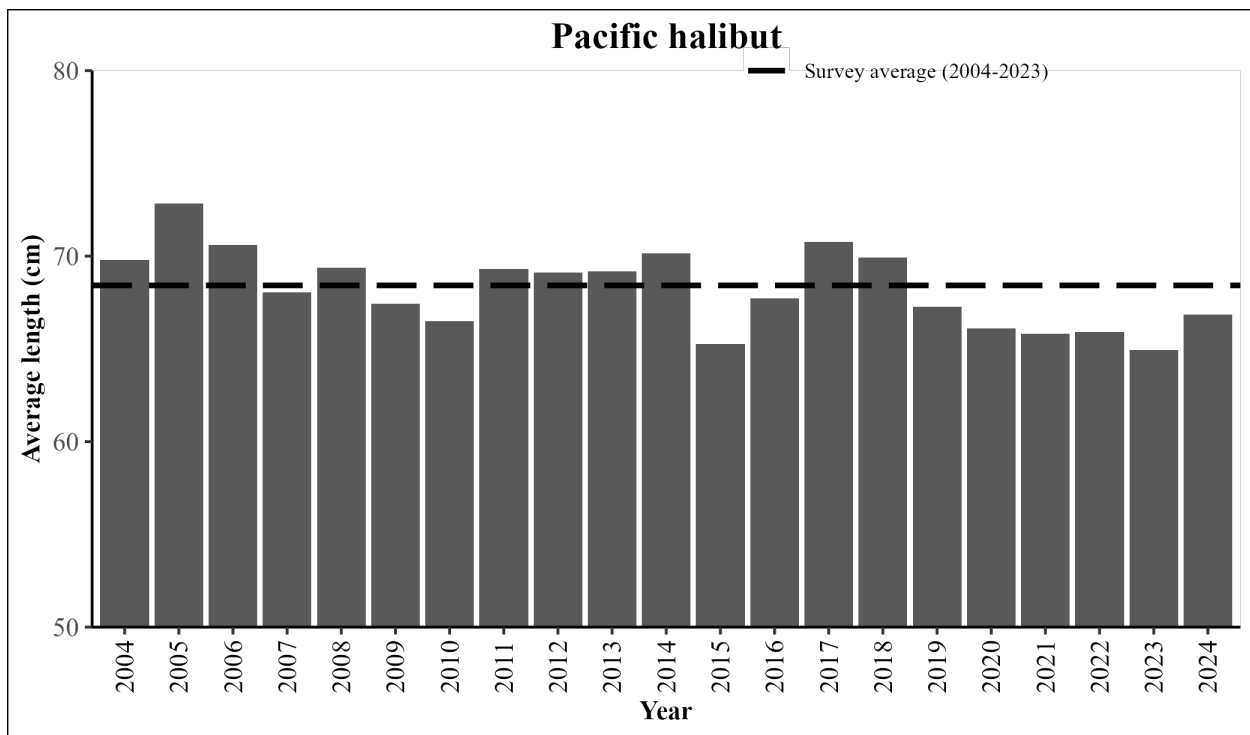


Figure 49.—Average Pacific halibut length from fish caught on the large-mesh bottom trawl surveys, 2004–2024.

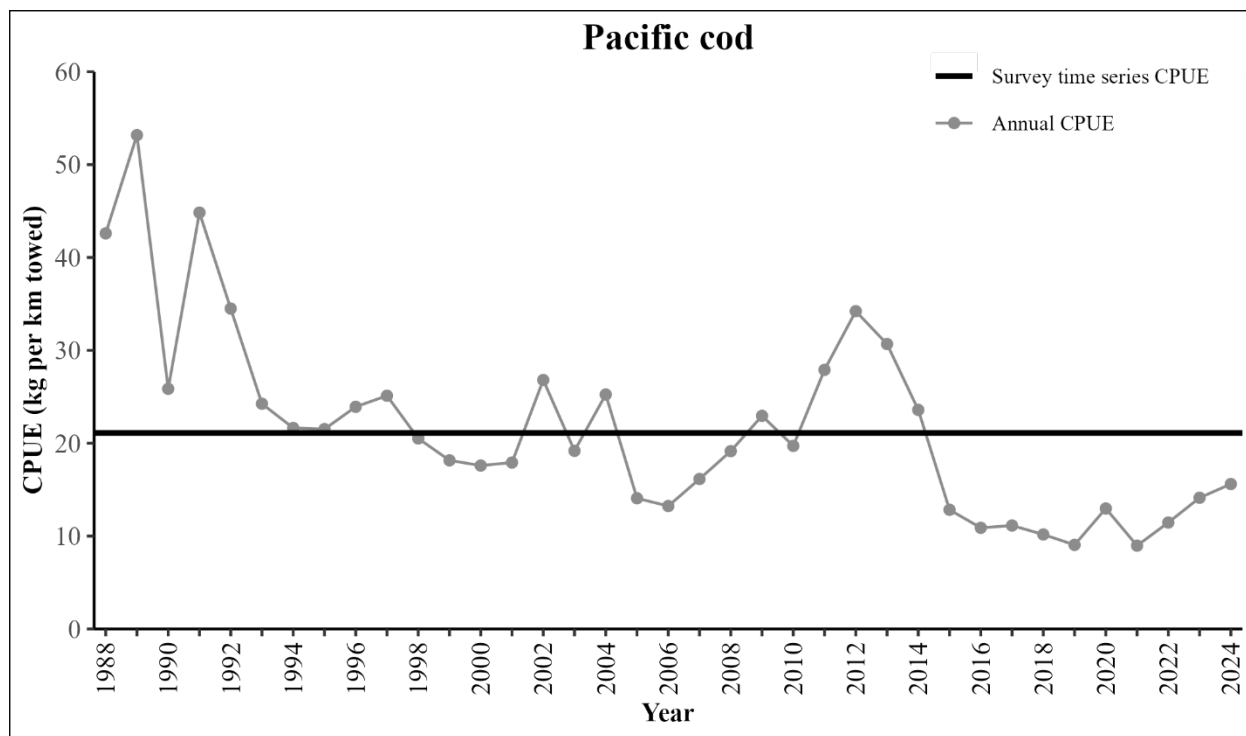


Figure 50.—Pacific cod annual CPUE in kilograms per kilometer towed from the 1988–2024 large-mesh bottom trawl surveys.

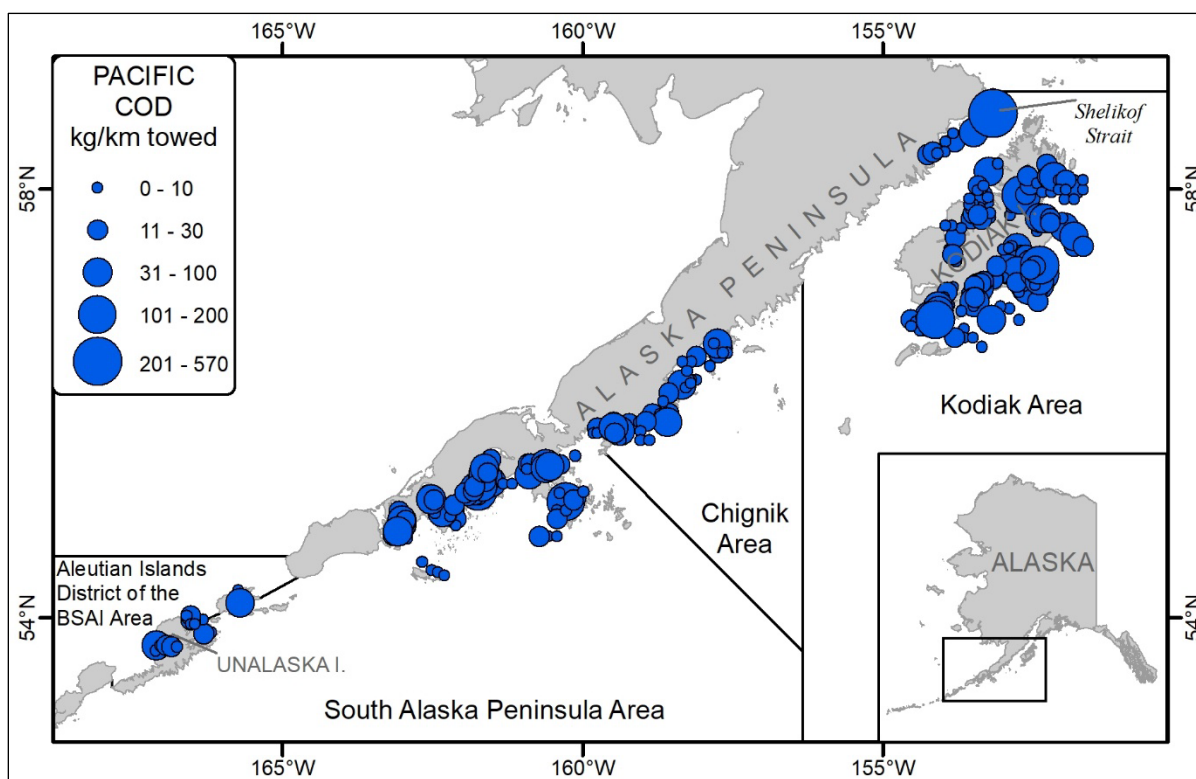


Figure 51.—Pacific cod station CPUE in kilograms per kilometer towed from the 2024 large-mesh bottom trawl survey.

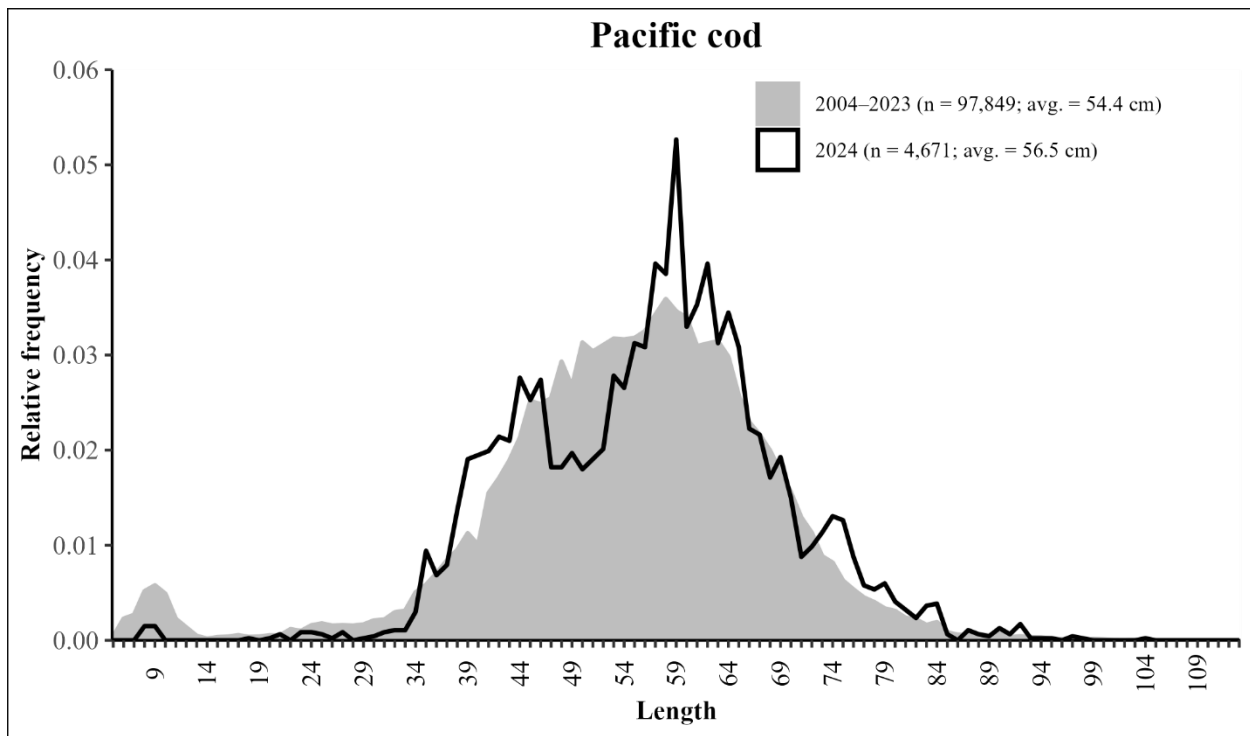


Figure 52.—Pacific cod length frequency from the large-mesh bottom trawl surveys, 2004–2024.

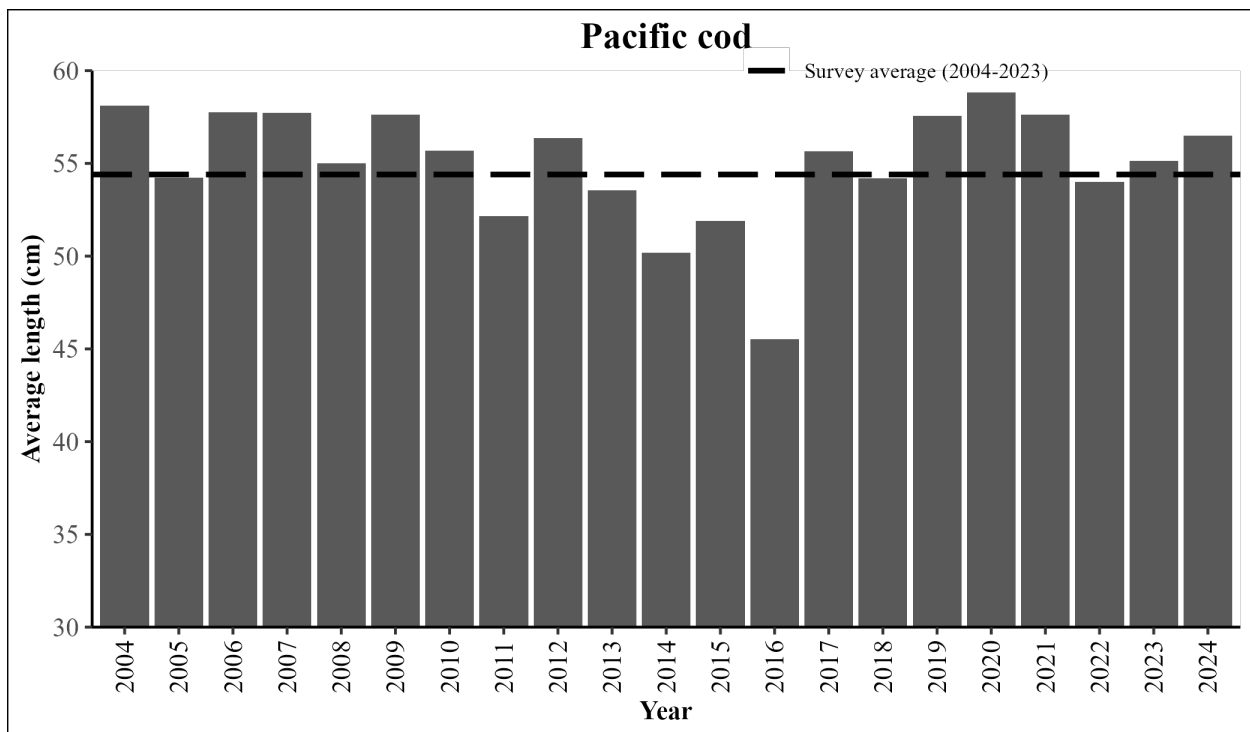


Figure 53.—Average Pacific cod length from fish caught on the large-mesh bottom trawl surveys, 2004–2024.

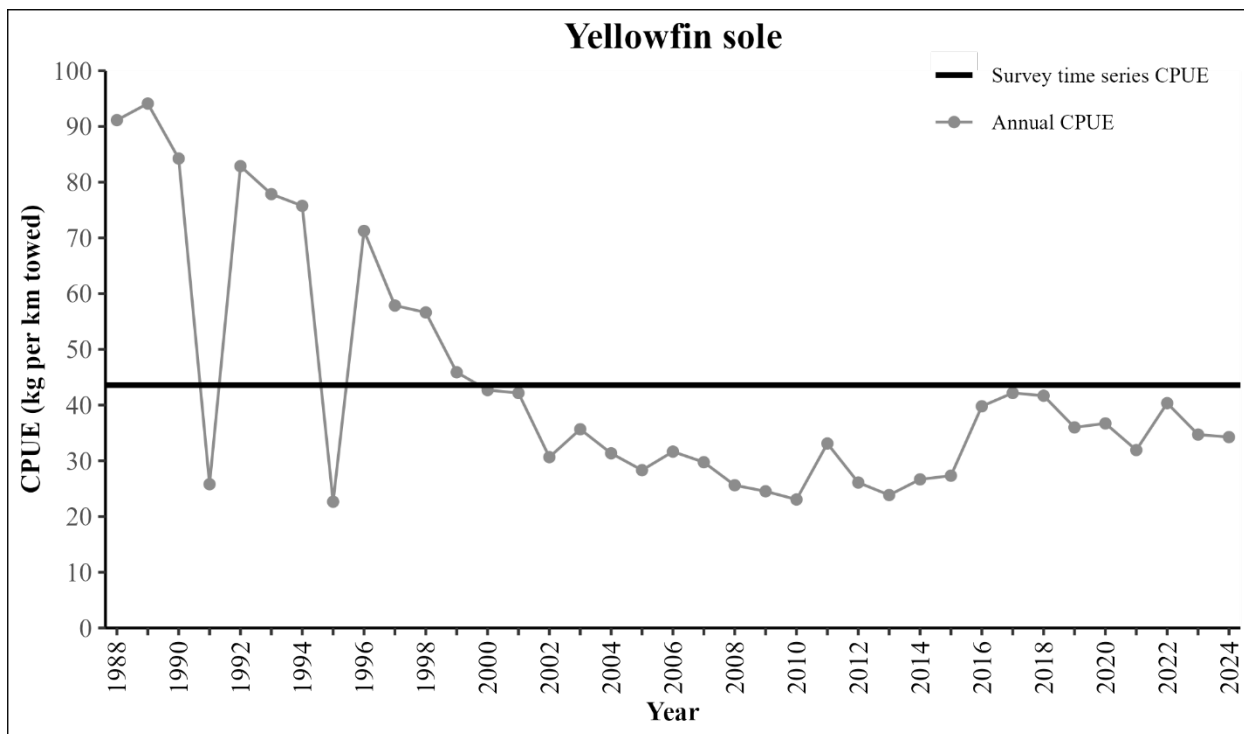


Figure 54.—Yellowfin sole annual CPUE in kilograms per kilometer towed from the 1988–2024 large-mesh bottom trawl surveys.

Note: 1991 and 1995 were incomplete surveys and did not include groundfish data from the South Peninsula District, where the majority of yellowfin sole are captured.

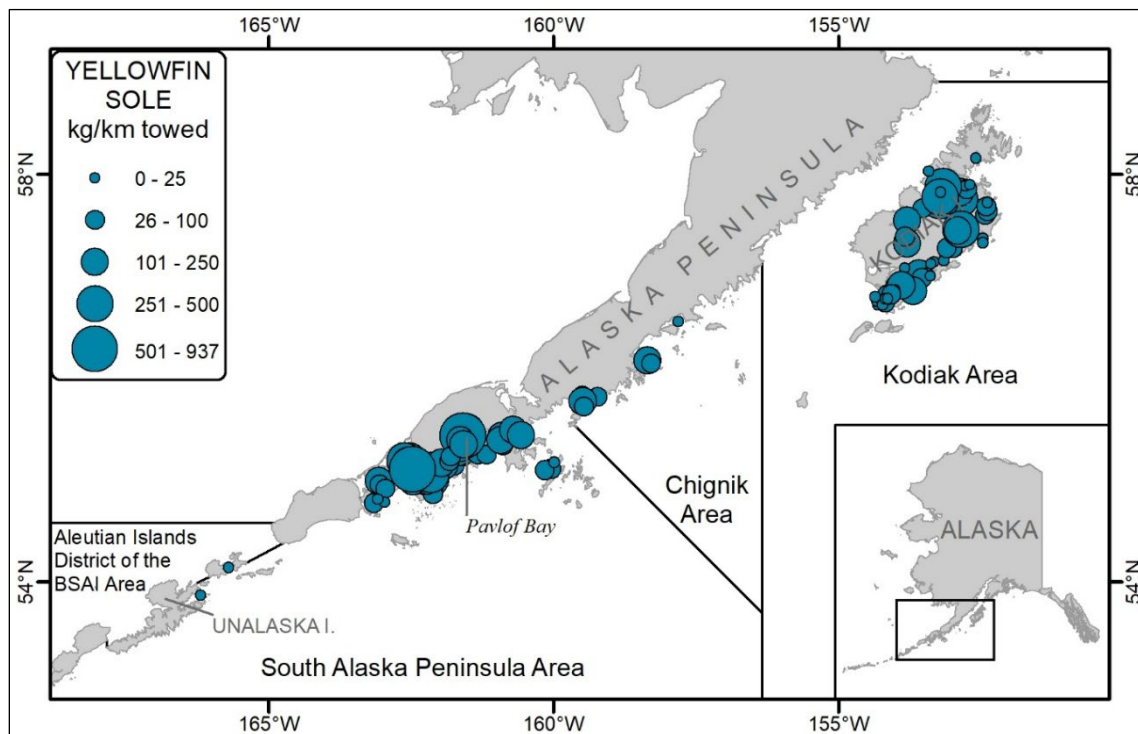


Figure 55.—Yellowfin sole station CPUE in kilograms per kilometer towed from the 2024 large-mesh bottom trawl survey.

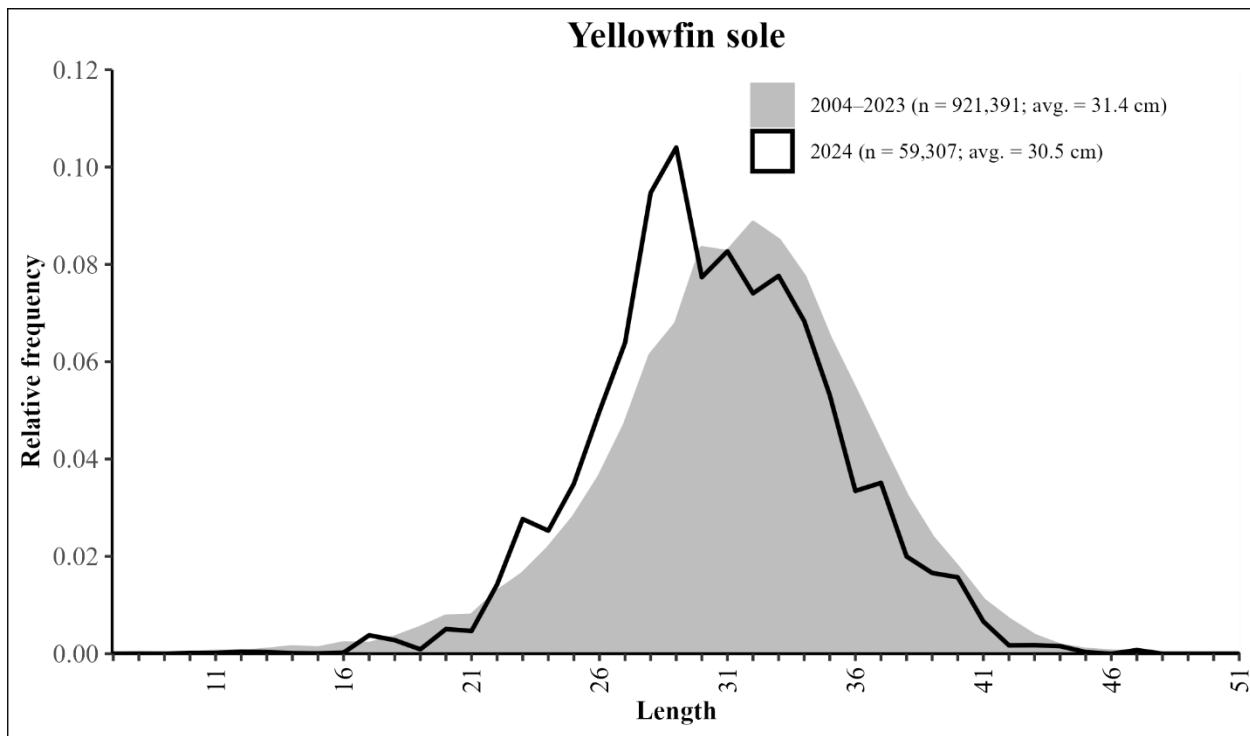


Figure 56.—Yellowfin sole length frequency from the large-mesh bottom trawl surveys, 2004–2024.

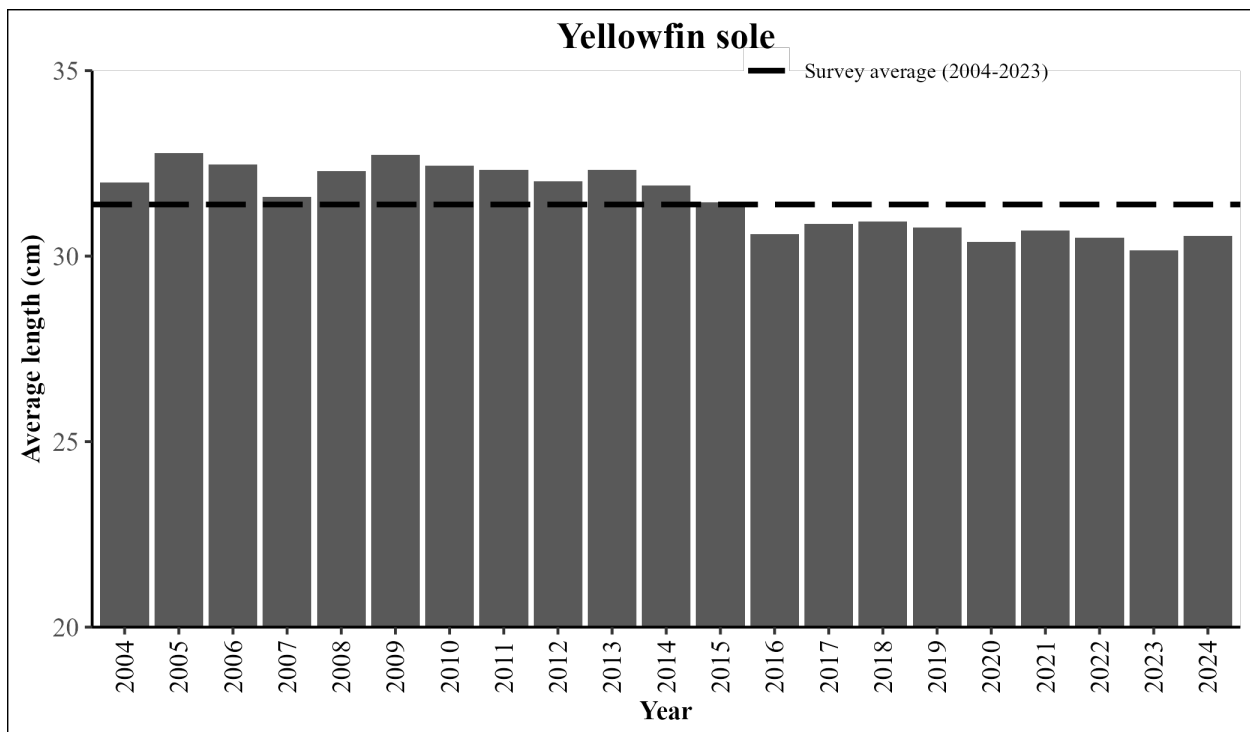


Figure 57.—Average yellowfin sole length from fish caught on the large-mesh bottom trawl surveys, 2004–2024.

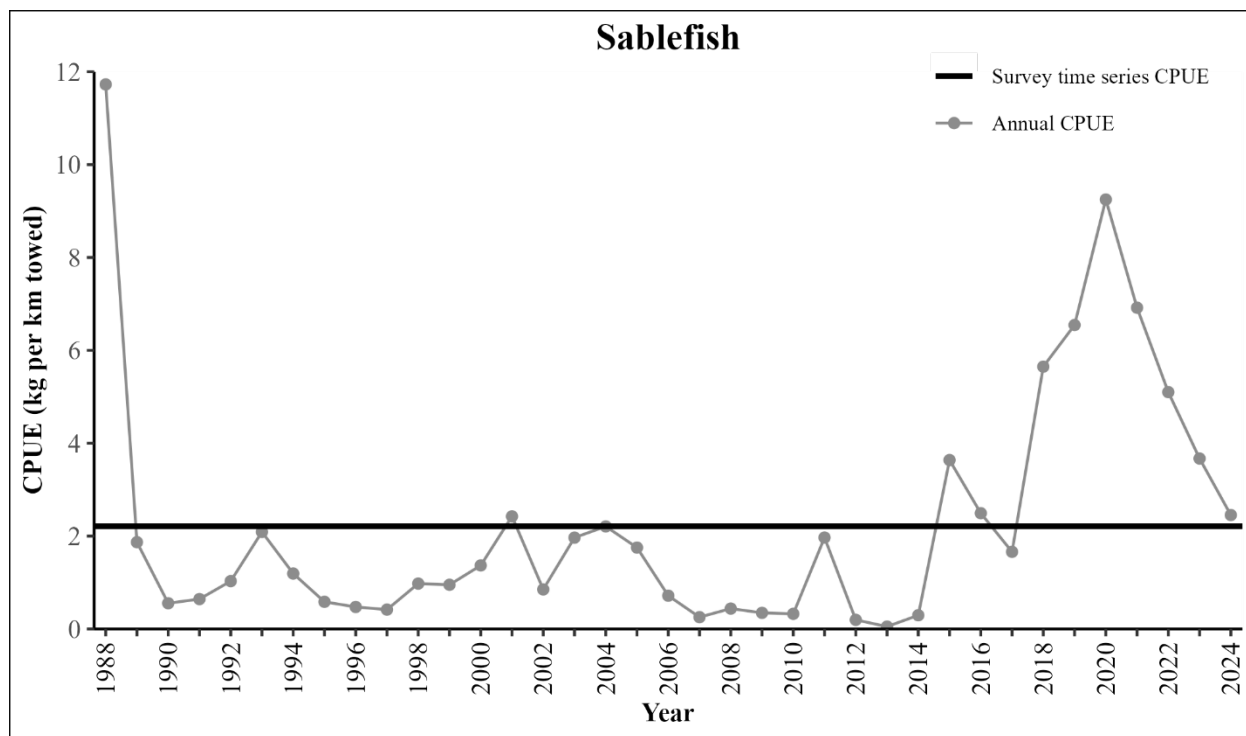


Figure 58.—Sablefish annual CPUE in kilograms per kilometer towed from the 1988–2024 large-mesh bottom trawl surveys.

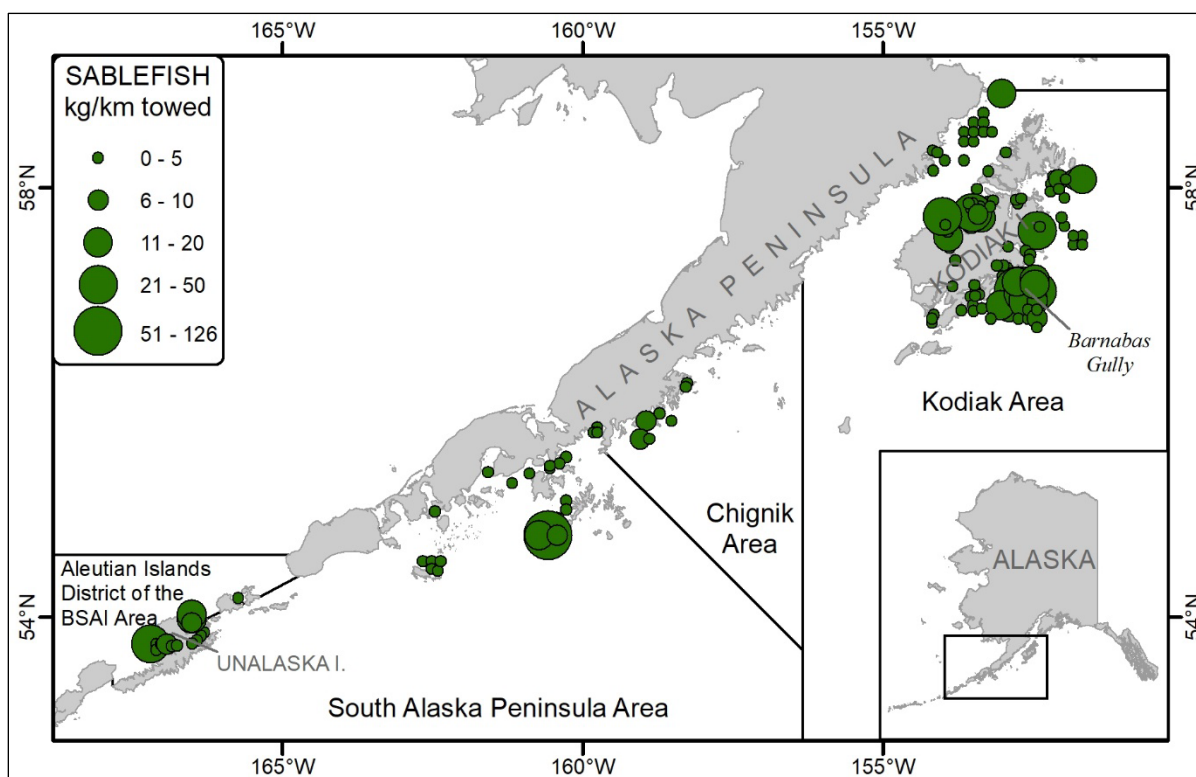


Figure 59.—Sablefish station CPUE in kilograms per kilometer towed from the 2024 large-mesh bottom trawl survey.

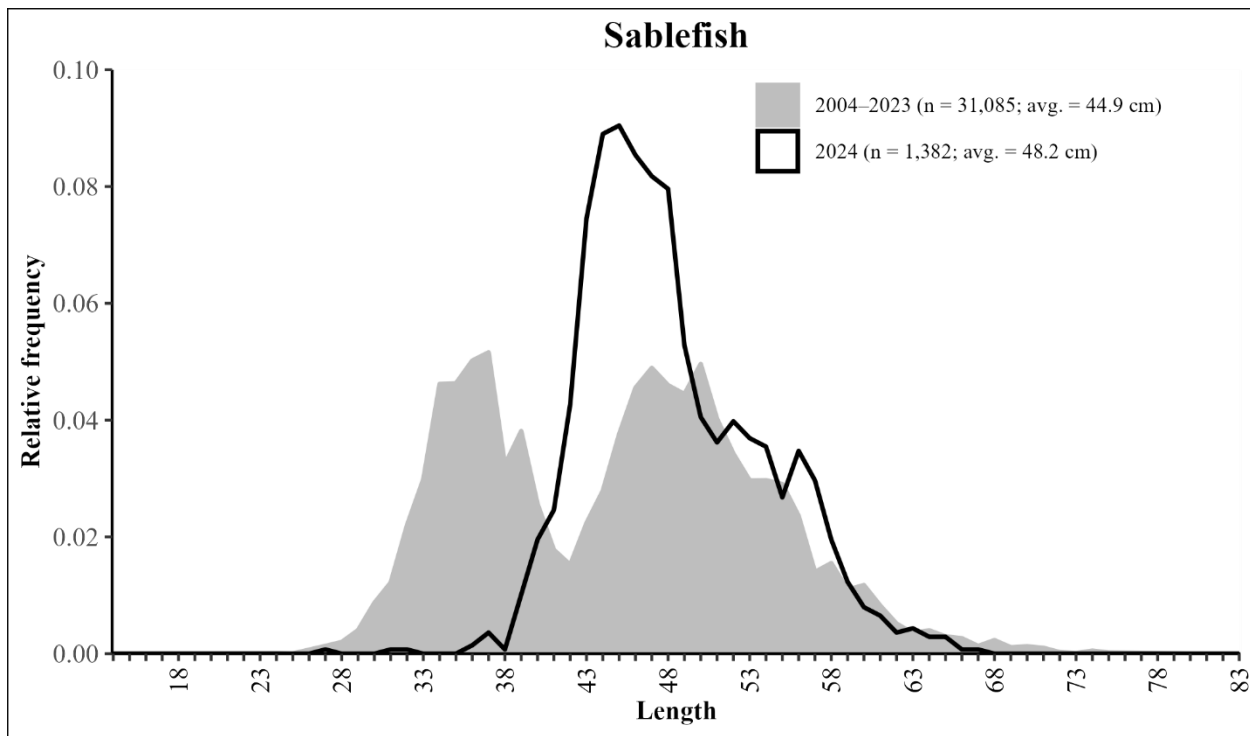


Figure 60.—Sablefish length frequency from the large-mesh bottom trawl surveys, 2004–2024.

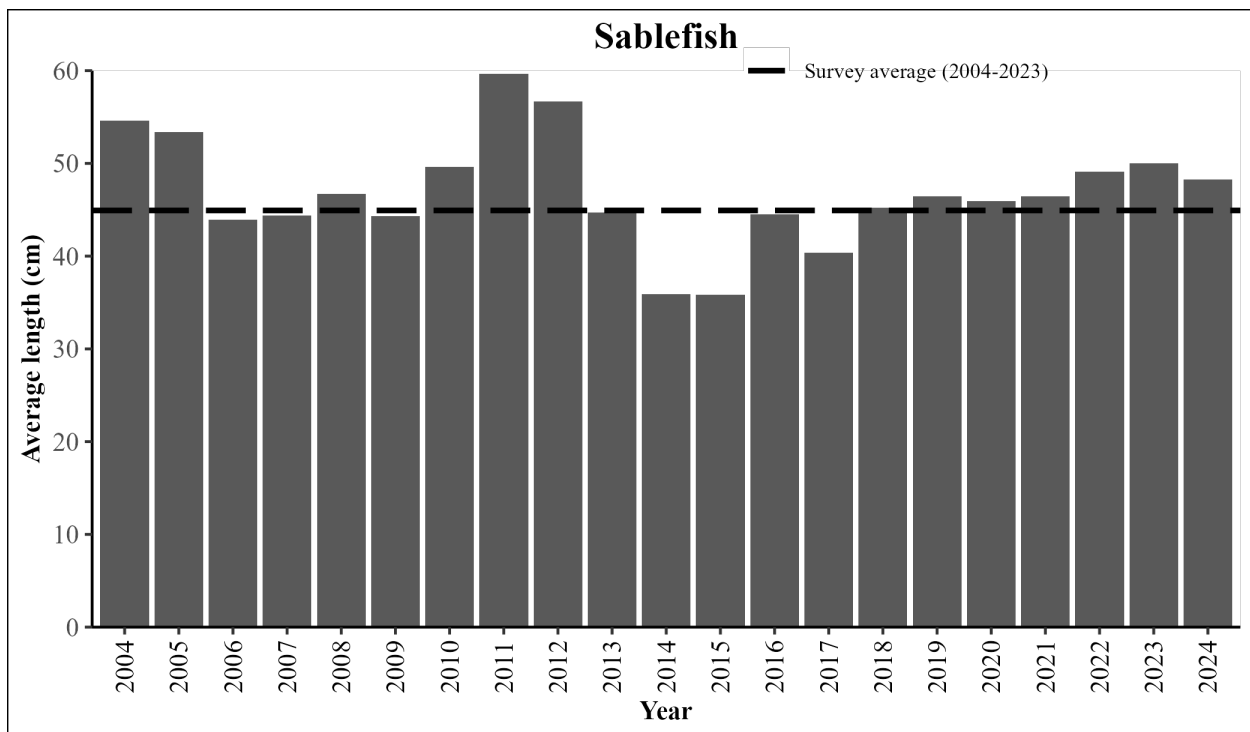


Figure 61.—Average sablefish length from fish caught on the large-mesh bottom trawl surveys, 2004–2024.

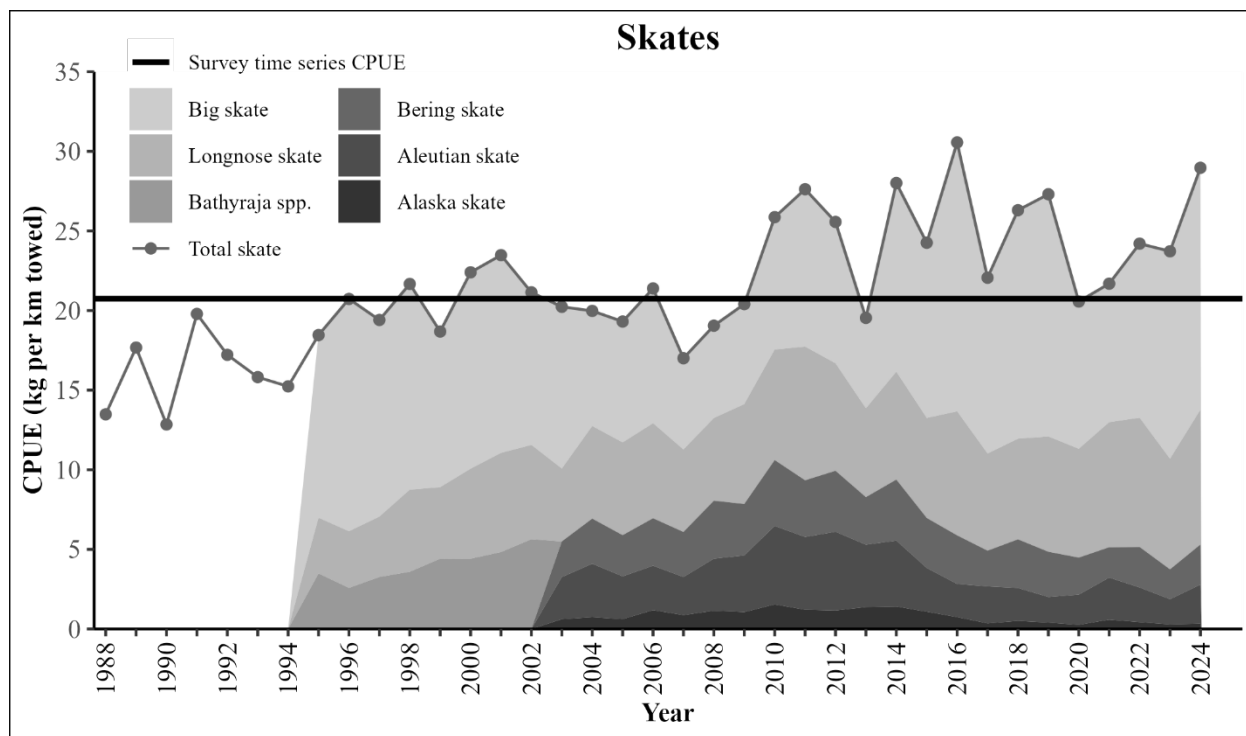


Figure 62.—Annual skate CPUE in kilograms per kilometer towed from the 1988–2024 large-mesh bottom trawl surveys.

Note: Skates were identified to genus starting in 1995, and to species starting in 2003.

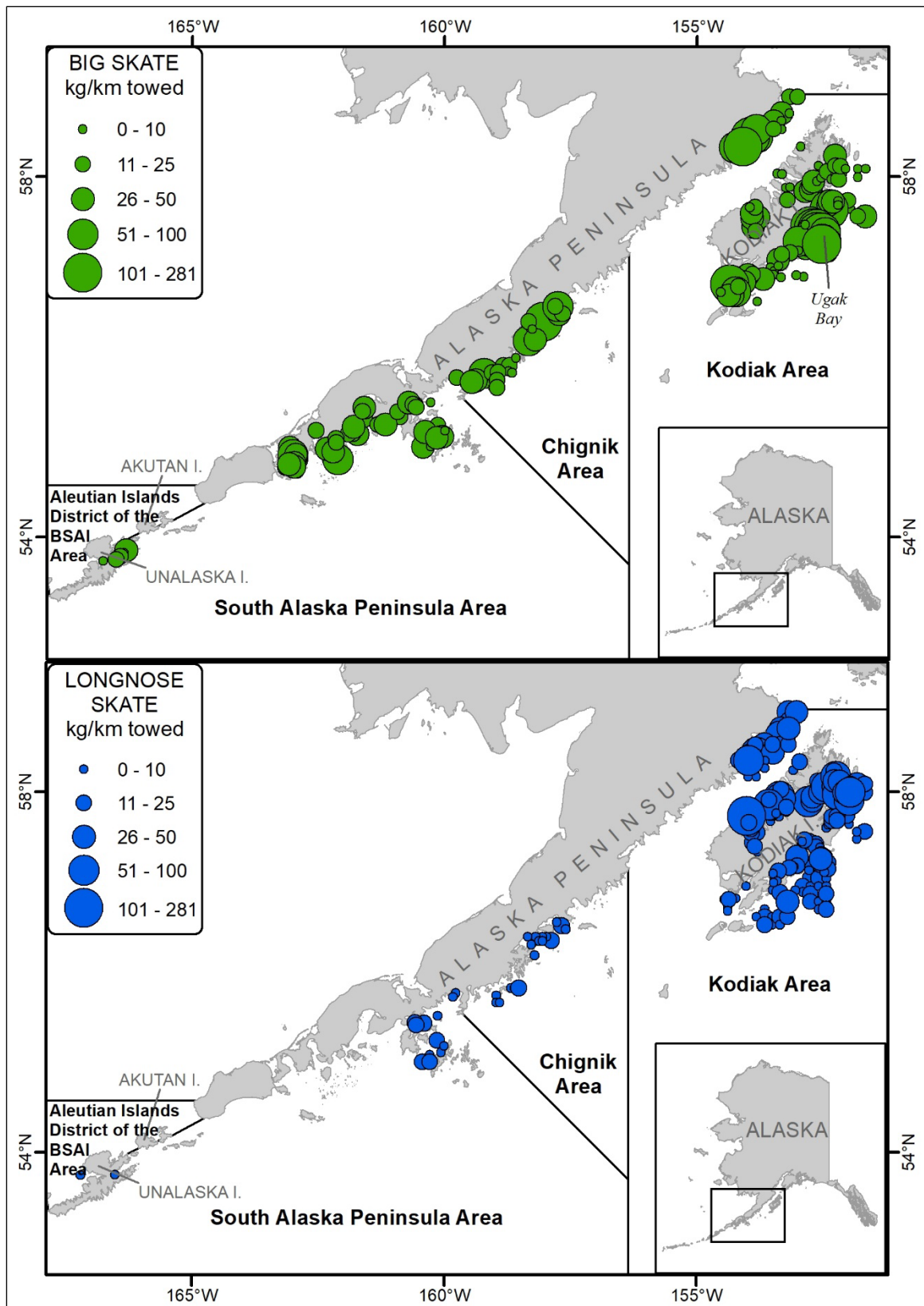


Figure 63.—Big and longnose skate catch in kilograms per kilometer towed from the 2024 large-mesh bottom trawl survey.

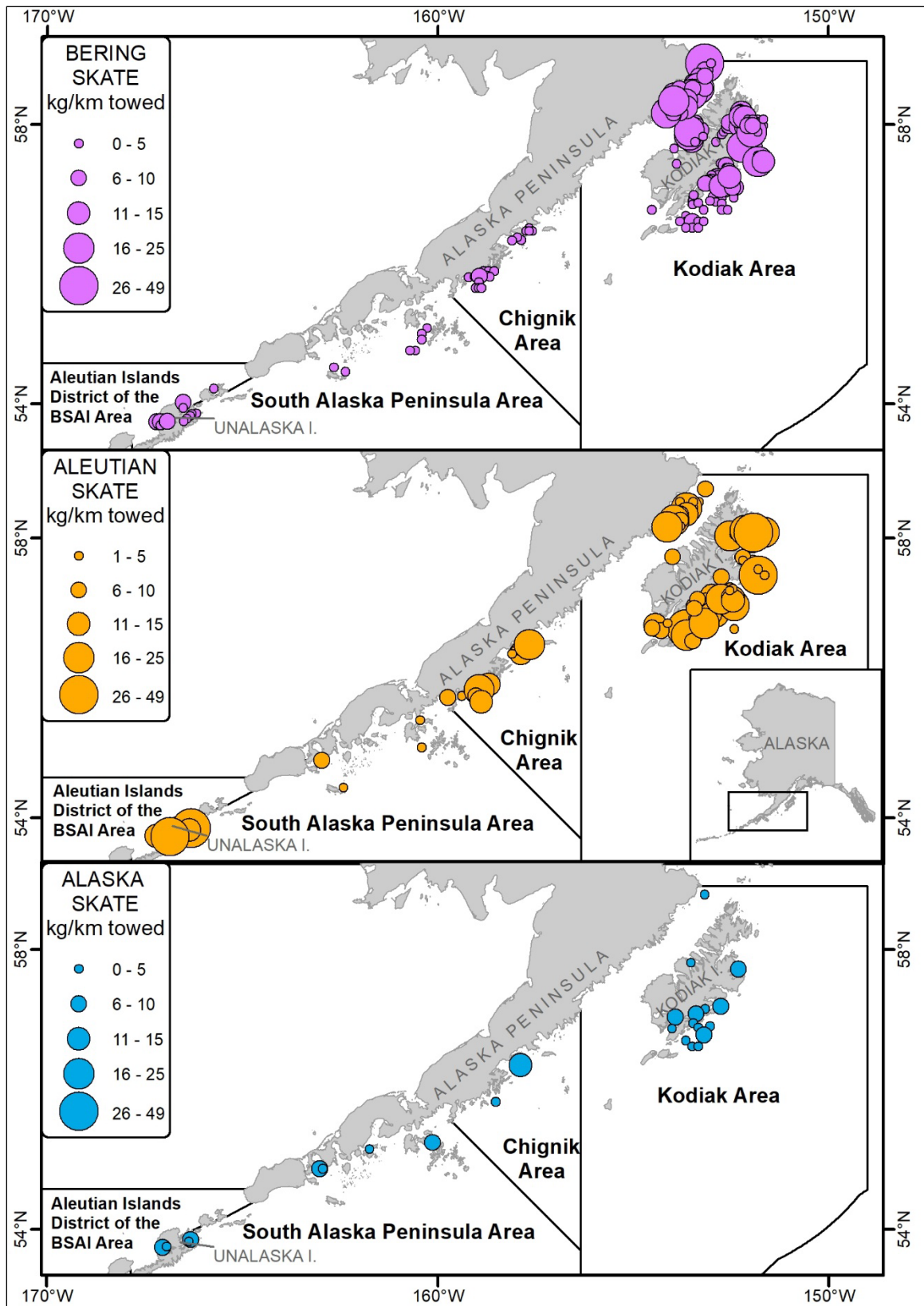


Figure 64.—Bering, Aleutian, and Alaska skate catch in kilograms per kilometer towed from the 2024 large-mesh bottom trawl survey.

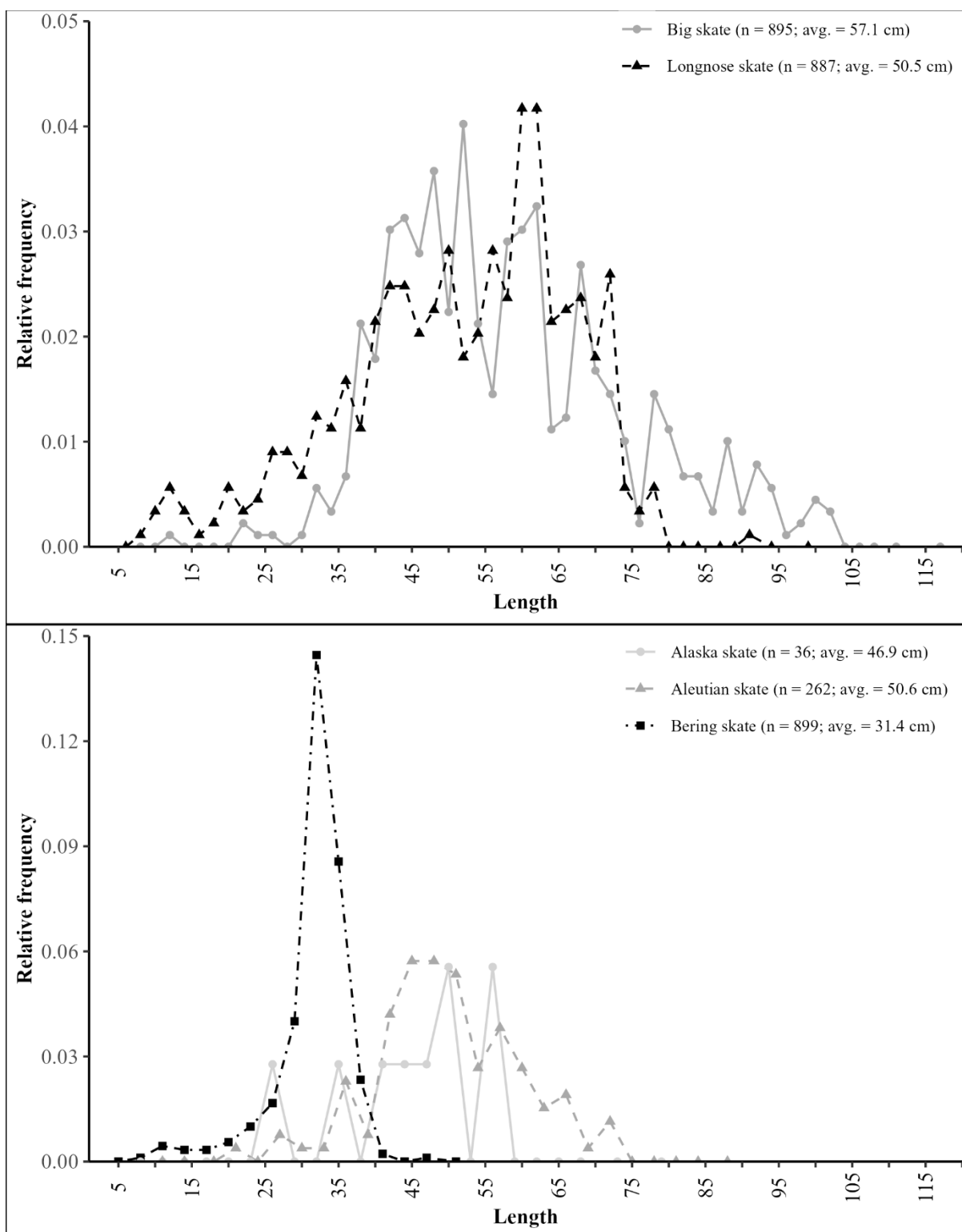


Figure 65.—Big, longnose, Bering, Alaska, and Aleutian skate relative size frequencies (snout to anterior notch of pectoral fin) from the 2024 large-mesh bottom trawl survey.

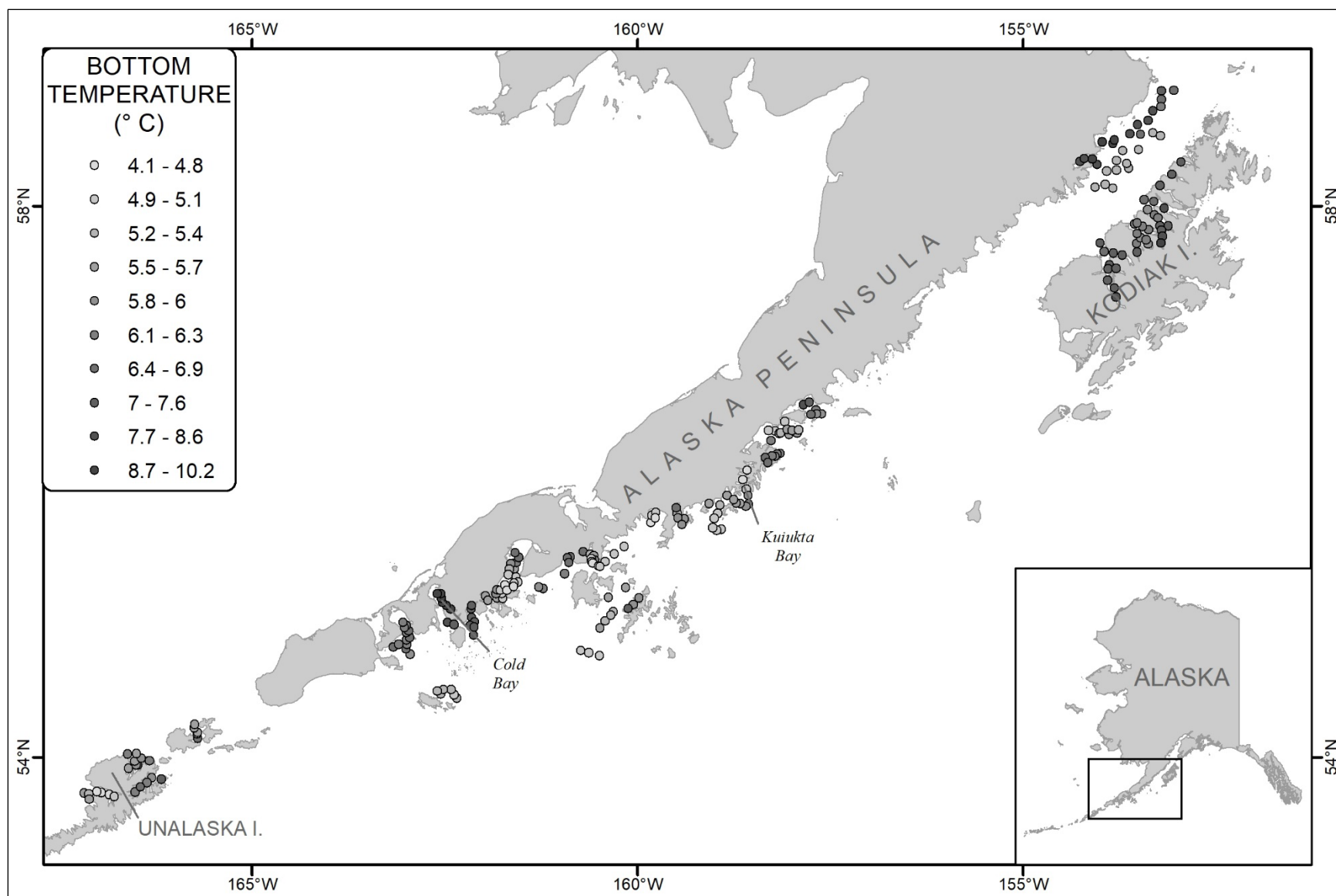


Figure 66.—Near-bottom water temperatures from the 2024 large-mesh bottom trawl survey.

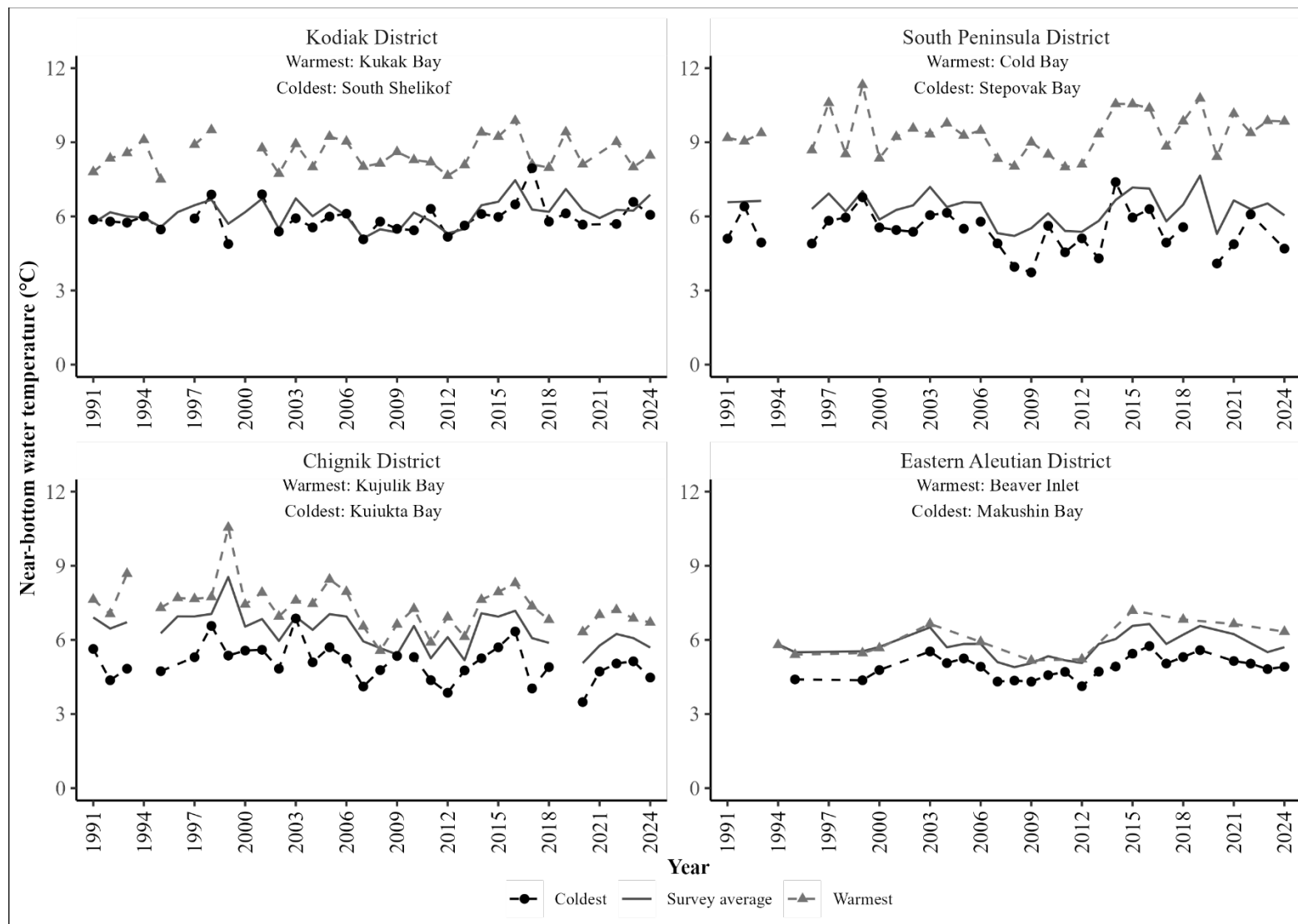


Figure 67.—Near-bottom water temperature (°C) for warmest and coldest bays during the 2024 large-mesh bottom trawl survey and the average water temperature in those bays from 1990–2024 surveys.

Note: Temperatures presented are the average temperature of all hauls within the area of interest (bay, district, or entire survey). Due to a temperature logger malfunction in 2024, temperatures are only available from the Westside and North Mainland Sections of the Kodiak District.

APPENDIX A: GLOSSARY

Appendix A1.–Definition of terms in large-mesh trawl survey report.

Crab Terms

<i>abdominal flap</i>	Crab abdomen folded underneath body. Can be lifted to reveal reproductive appendages. Shape of abdominal flap used to identify crab sex; males have a triangular shaped abdominal flap, and females are more rounded.
<i>anterolateral spines</i>	Spines on the margin of anterior half of carapace.
<i>bitter crab disease</i>	Disease lethal to crabs caused by a parasitic dinoflagellate of the genus <i>Hematodinium</i> known to infect <i>Chionoecetes</i> crabs. Live crab in later stages of infection have an exaggerated pink carapace or legs and white opaque hemolymph that can be observed if a leg is cracked. Crab infected with this parasite are unmarketable because of an astringent aspirin aftertaste.
<i>black mat</i>	A systemic fungal infection (<i>Trichomaris invadens</i>) that forms non-discrete blotches of a black, tar-like mass on the carapace and legs. Black mat has a fibrous-like texture when scraped.
<i>carapace</i>	Main part of crab shell that covers body of crab. It is divided into the gastric, branchial, and cardiac regions.
<i>carapace length</i>	The biological size measurement of all species of king crabs taken as the straight-line distance from the posterior margin of the right eye orbit to the medial-posterior carapace margin.
<i>carapace width</i>	Crab measurement taken as the greatest straight-line distance perpendicular to a line midway between the eyes to the medial-posterior margin. Biological measurements do not include spines.
<i>chela height</i>	Measurement of the right claw of a crab taken at the greatest height, excluding spines.
<i>clutch</i>	Eggs beneath a female abdominal flap.
<i>eyed eggs</i>	Stage of egg development when dark eyespots are present and visible to the human eye.
<i>juvenile</i>	An animal that has not reached sexual maturity.
<i>lateral margin</i>	The outer edge of the crab carapace.
<i>legal size</i>	The minimum size of an animal that may be retained by state regulation. For Tanner crab males in Kodiak, Chignik, South Peninsula, and Eastern Aleutian Districts legal size is 5.5 inches (140 mm) carapace width including the lateral margin spines. For king crab males minimum legal size is 7.0 inches (177.8 mm) carapace width in the Kodiak Area and 6.5 inches (165.1 mm) carapace width in the Alaska Peninsula and Aleutian Islands Areas, including the lateral margin spines. For Dungeness crab the minimum legal size is 6.5 inches (165.1 mm) carapace width, immediately anterior to the tenth anterolateral spine.
<i>mature female</i>	A female animal that has reached sexual maturity. For Tanner crab, mature females have a circular abdominal flap that covers most of the ventral surface of the crab, whereas a juvenile female abdominal flap covers only about $\frac{2}{3}$ of the ventral surface. For red king crab, mature females include ovigerous females of any size, all females >115 mm CL in the Kodiak area, and all females >99 mm CL in the Alaska Peninsula and Aleutian Islands areas.

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<i>mature male</i>	A male animal that has reached sexual maturity. For Tanner crab, mature males are considered to be all males that are >114 mm carapace width.
<i>medial-posterior edge</i>	The middle of the back edge of the carapace.
<i>midline</i>	The median plane of the body of an animal. For crabs this is an imaginary line running along the carapace from between the eyes to the medial-posterior edge.
<i>multiparous female</i>	A female crab that has produced more than one clutch of eggs. For Tanner crab they may be identified by the presence of discolored grasping marks on legs.
<i>nemertean worms</i>	Egg parasites in clutch of mature female crab that prey on developing embryos. Worms are small, red in color, often S-shaped during early stages of development, and are most obvious in clutch with a high number of dead embryos.
<i>new shell</i>	Carapace and chela are hard and will crack when pressure is applied. Legs are not easily compressed when pinched and will break if bent. Colors are bright. Iridescence, particularly on the chelae, is often visible. Ventral surface can be any variation of white or pink. Spines, chela tips, chela teeth, and dactyl tips are sharp. Abdomen, coxae, and legs have little or no scratches and abrasions. Slight fouling may be present, including but not limited to leech egg cases, small barnacles, and encrusting bryozoans. On Tanner crab females, subtle grasping mark imprints may be present on the first 2 pairs of legs.
<i>old shell</i>	Colors are dull. Iridescence on the chelae may be visible. Ventral surface typically appears yellow to brown. Spines, chela tips, chela teeth, and dactyl tips may show wear. Abdomen, coxae, and legs have few to numerous scratches and abrasions, which may be slightly darker than the shell. Slight fouling may be present, including but not limited to leech egg cases, barnacles, bryozoans, tubeworm casings, and anemones. On Tanner crab females, grasping marks are often present and discolored on the first 2 pairs of legs.
<i>ovigerous</i>	Bearing eggs.
<i>parasitic barnacle</i>	The rhizocephalan barnacle <i>Briarosaccus callosus</i> exclusively parasitizes king crab species. The visible externa of the parasite is located in the abdominal flap of both sexes and varies in size from as small as a jellybean to as large as a chicken egg and in color from pale yellow to deep red. It causes castration in infected crabs and is uncommon around Kodiak and along the Alaska Peninsula.
<i>postrecruit male</i>	Male crab that have been legal size for more than 1 year. Tanner crab postrecruit males are 140–164 mm CW and old or very old/very very old shell and all males ≥ 165 mm CW. Red king crab postrecruit males are all legal-size crab that are old or very old/very very old, all males ≥ 164 mm CL in the Kodiak area, and all males ≥ 152 mm CL in the Alaska Peninsula and Aleutian Islands areas.
<i>prerecruit male</i>	Male crab not legal size. Prerecruit crab are often divided into size groups. For red king crab prerecruit IV are crab <95 mm CL in the Kodiak Area and <79 mm CL in the Alaska Peninsula and Aleutian Islands areas. Prerecruit III are crab 95–112 mm CL in the Kodiak Area and 79–95 mm CL in the Alaska Peninsula and Aleutian Islands areas. Prerecruit II are crab 113–130 mm CL in the Kodiak Area and 96–115 mm CL in the Alaska Peninsula and Aleutian Islands areas. Prerecruit I are crab >130 mm CL in the Kodiak Area and >115 mm CL in the Alaska Peninsula and Aleutian Islands areas.

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<i>primiparous female</i>	A female crab that is carrying its first clutch of eggs. For Tanner crab they may be identified by being soft/new pliable or new shell mature females.
<i>recruit male</i>	Male crab that became legal size in the last year. For Tanner crab a recruit is soft/new pliable and new shell, 140–164 mm CW. For red king crab in the Kodiak Area a recruit is legal-size, soft/new pliable, and ≤ 164 mm CL. For red king crab in the Alaska Peninsula and Aleutian Islands areas a recruit is legal-size, soft/new pliable, and ≤ 152 mm CL.
<i>shell condition</i>	A description of the appearance of a crab's exoskeleton, determined by examining characteristics that show wear with time. The ADF&G trawl survey program recognizes 4 shell condition categories: soft/new pliable, new, old, and very old/very very old.
<i>soft/new pliable shell</i>	(1) The exoskeleton is soft, flaccid, similar in texture to skin, and loses shape out of water. No scratches, abrasions, or epibionts are present. OR (2) Carapace and chela are firm, but thin and flexible and can be easily indented with slight thumb pressure. Legs are easily compressed when pinched. Colors are bright. Iridescence is common. Abdominal flap may appear translucent. Spines, chela tips, chela teeth, and dactyl tips are sharp if not pliable. No scratches, abrasions, or epibionts are present.
<i>spines</i>	Pointed processes along the edge of a crab carapace.
<i>very old/very very old shell</i>	(1) Colors are dull and often dark on the dorsal surface. Ventral surface typically appears yellow to brown with darker areas. Spines, chela tips, chela teeth, and dactyl tips are heavily worn. Legs are commonly damaged or missing. Abdomen, coxae, and legs have numerous scratches and abrasions, which are typically darker than the shell. Slight to moderate fouling is common, including—but not limited to—leech egg cases, large barnacles, bryozoans, hydroids, tubeworm casings, and anemones. On Tanner crab females, multiple grasping marks are often present and discolored on the first 2 pairs of legs. OR (2) Carapace may be soft and spongy because of decay. Colors are dark overall. Spines, chela tips, chela teeth, and dactyl tips are heavily worn. Legs are commonly damaged or missing. Moderate to extensive fouling is common.
<u>Trawl Net Terms</u>	
<i>codend</i>	The trailing end of a tapered trawl net where catch accumulates during towing.
<i>dandylines</i>	Also called bridles. Cables between trawl door and side of trawl net.
<i>doors</i>	Steel boards attached between vessel and trawl net, positioned to create hydrodynamic forces while towing that push them apart and spread the opening of the net.
<i>footrope</i>	The line running along lower mouth of net. Net used during large-mesh trawl survey has footrope weighted with chain to keep it on bottom.
<i>headrope</i>	The line running along upper mouth of net with floats attached to keep the net open.
<i>mesh</i>	An open fabric of line or cord, the intersections of which are looped or knotted into various sized spaces and sewn together to form a net.

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<i>net performance</i>	A rating given by the skipper describing problems encountered with the net during a haul.
<i>sweep</i>	The width net covers when towed over the seafloor.
<i>wing</i>	The portion of the trawl net forward of the main body of the net.
<u>Sampling Terms</u>	
<i>catch</i>	Quantity of animals caught in trawl net. Measured in numbers or weight of animals.
<i>catch weight database</i>	The onboard database used to enter weights of all species identified during the haul. All information is entered upon completion of catch sampling. Data from the shellfish and fish measurement databases are incorporated into the catch weight database after each haul.
<i>cruise leader</i>	Biologist in charge of coordinating biological sampling activities during the survey and responsible for the quality of collected data while on the vessel.
<i>debris</i>	Contents of the trawl net that are not identified or sampled, including rocks, empty shells, seaweed, previously dead organisms, or human-made objects.
<i>fish measurement database</i>	The onboard database used to collect fish measurements. Measurements can be entered directly from the magnetic fish measuring board or entered into the database manually using a networked input program from a network-connected device.
<i>haul</i>	From the time trawl net reaches bottom and is towed in an attempt to fish to the time the vessel stops moving and begins retrieving the net.
<i>haul database</i>	The onboard database to store information associated with the fishing process for each haul. Data from skipper trawl record forms are manually entered at the end of each day.
<i>onboard databases</i>	Databases in use during the trawl survey include: fish measurement database, shellfish measurement database, catch weight database, and haul database.
<i>on-deck sorting bin</i>	An area located on the back deck of the survey vessel contained by removable boards where the catch from the codend is emptied after every haul, prior to sorting and removal of the subsample.
<i>shellfish measurement database</i>	Onboard database used to enter crab measurements and biological information. Measurements and crab information are entered directly using electronic calipers and the crab keyboard, or by using a standard keyboard.
<i>sorting table</i>	Table located on the forward part of deck where the subsample is sorted for species composition, weighing, and measuring.
<i>species composition sampling</i>	Sorting, identification, and weighing of organisms in the catch to determine proportion and total weight of each species.
<i>station</i>	Survey area sampling unit. Each station is towed once during the annual survey.
<i>subsample</i>	A representative and random subset of the total haul catch.
<i>subsampling net</i>	The net used to obtain the subsample. This net is tied into the on-deck sorting bin and the haul catch is emptied into the bin. The subsampling net is then untied and lifted through the catch to capture a representative subsample that is sorted at the sorting table.

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<i>whole-haul</i>	When 100% of the trawl catch of a specific species is accounted for by weight, count, or measurement, or a combination. In instances when there is a small total catch, when 100% of the total trawl catch is sorted and weighed.
<u>Management Terms</u>	
<i>abundance threshold</i>	Levels of mature male and mature female Tanner crab abundance described in state regulation that must be met in order to consider opening a commercial fishery.
<i>GHL</i>	Guideline harvest level. Catch quota established prior to the beginning of each fishing season. GHLs for Tanner crab are based on large-mesh trawl survey data.
<i>legal male</i>	Crab that may be retained by state regulation; only male crab of specific size are considered legal to retain.
<i>long-term average abundance</i>	Average abundance of mature male and mature female Tanner crab 1988–2021 as determined by trawl survey data and used to establish regulatory abundance thresholds.
<i>management district</i>	Regulatory unit to facilitate resource management.
<i>management section</i>	Management districts are divided into sections to facilitate management of the Tanner crab fisheries and are based on local distributions and migration patterns. Each section has a separate GHL.
<u>Other Biological Terms</u>	
<i>anterior</i>	Toward the front, near the head or rostral end of a crab.
<i>caudal fin</i>	The tail of a fish.
<i>claspers</i>	A paired organ of male sharks and skates. Assists transfer of spermatozoa into the body of a female during copulation.
<i>dorsal</i>	The back or part of an organism away from the ground. Refers to the hinge area of a scallop shell.
<i>pectoral fin</i>	Either of a pair of fins situated behind the head, one on each side of the body.
<i>posterior</i>	The rear, away from the head.
<i>shell height</i>	The straight-line distance from the umbo to the outer scallop shell margin, perpendicular to the hinge. Scallop shell heights are measured on the left (top) valve.
<i>umbo</i>	Beak-like projections at the dorsal part of a shell; it is the oldest part of a bivalve shell.
<i>valve</i>	One of the 2 parts of a bivalve shell; 2 valves make up 1 shell.
<u>Data Analysis Terms</u>	
<i>area swept</i>	The sea floor area sampled by the trawl during a haul.
<i>density</i>	The number or weight of a species present per unit of area.
<i>distance towed/haul length</i>	Distance the vessel travels between the time the trawl net footrope contacts bottom and the time the center of footrope leaves bottom.
<i>relative abundance indices</i>	Indices that track change in population size but do not estimate actual population size.

APPENDIX B: FISHING LOG AND TRAWL STATIONS SAMPLED

Appendix B1.—2024 large-mesh bottom trawl survey fishing log.

Haul	1	2	3	4	5	6	7	8	9	10	11	12	13
Location	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.
Month/Day/Year	06-12-24	06-12-24	06-12-24	06-13-24	06-13-24	06-13-24	06-13-24	06-18-24	06-18-24	06-18-24	06-18-24	06-18-24	06-19-24
Station	CHJ	CHK	CHL	CHE	CHA	CHB	CHF	MOGX	283A	313	314	283B	255A
Longitude Start (°W)	-152.3736	-152.3061	-152.2441	-152.4509	-152.4375	-152.4087	-152.3196	-152.1684	-152.0699	-152.0388	-151.8068	-151.9381	-152.0878
Latitude Start (°N)	57.7249	57.7252	57.7303	57.6752	57.6141	57.6336	57.6938	57.9804	57.971	57.9426	57.9118	57.9801	58.0756
Heading, Degrees	99	280	85	40	36	37	220	28	40	100	343	17	167
Average Depth (m)	100.5	146.2	164.5	18.28	42.06	64	140.8	177.3	177.3	195.6	58.51	171.8	151.7
Distance Fished (km)	1.518	1.555	1.944	1.889	1.889	1.87	0.926	1.852	1.833	1.852	1.777	1.87	1.518
Haul	14	15	16	17	18	19	20	21	22	23	24	25	26
Location	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.
Month/Day/Year	06-19-24	06-19-24	06-19-24	06-19-24	06-19-24	06-19-24	06-19-24	06-20-24	06-20-24	06-20-24	06-20-24	06-20-24	06-20-24
Station	255B	256	257	285	284	MOLB	MOLA	MOXA	MOXB	MOPA	MOPB	MOEX	MONX
Longitude Start (°W)	-151.9999	-151.8341	-151.6529	-151.6651	-151.7623	-152.127	-152.1487	-152.2496	-152.2461	-152.2368	-152.2508	-152.374	-152.4901
Latitude Start (°N)	58.0569	58.0374	58.0563	57.9889	57.9986	58.0407	58.087	58.2096	58.1593	58.1101	58.0851	57.948	58.0246
Heading, Degrees	80	308	358	180	220	349	328	183	139	207	225	62	18
Average Depth (m)	128	160.9	160.9	102.4	131.6	153.6	201.1	151.7	162.7	170	168.2	126.1	190.1
Distance Fished (km)	1.555	1.87	1.889	1.87	1.852	1.87	1.87	1.852	1.666	1.87	1.852	1.833	1.777
Haul	27	28	29	30	31	32	33	34	35	36	37	38	39
Location	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.
Month/Day/Year	06-20-24	06-20-24	06-21-24	06-21-24	06-21-24	06-21-24	06-21-24	06-21-24	06-21-24	06-21-24	06-22-24	06-22-24	06-26-24
Station	KZK	KZO	KZS	KZR	KZJ	KZG	KZF	KZE	KZC	KZD	KZA	KZB	CHG
Longitude Start (°W)	-152.5278	-152.5372	-152.5841	-152.5872	-152.6194	-152.6162	-152.686	-152.6801	-152.7484	-152.7957	-152.8787	-152.867	-152.1582
Latitude Start (°N)	57.9977	58.0088	58.1444	58.1327	57.9777	57.9525	57.941	57.9117	57.8608	57.8788	57.789	57.8119	57.6848
Heading, Degrees	229	42	182	191	231	272	112	6	36	34	14	19	21
Average Depth (m)	182.8	201.1	104.2	117	133.4	131.6	135.3	104.2	58.51	95.09	43.88	51.2	142.6
Distance Fished (km)	1.889	1.889	1.407	1.889	1.889	1.87	1.87	1.518	1.555	1.87	1.314	1.24	1.852
Haul	40	41	42	43	44	45	46	47	48	49	50	51	52
Location	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	NE Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.
Month/Day/Year	06-26-24	06-26-24	06-26-24	06-27-24	06-27-24	06-27-24	06-27-24	06-27-24	06-27-24	06-28-24	06-28-24	06-28-24	06-28-24
Station	369X	395	420	421	444	443	486B	486A	UGJ	UGE	511B	535B	535D
Longitude Start (°W)	-152.0534	-151.9402	-151.7871	-151.6999	-151.7043	-151.7344	-152.4095	-152.4953	-152.4586	-152.5976	-152.4154	-152.4141	-152.4072
Latitude Start (°N)	57.731	57.6602	57.6042	57.5836	57.5296	57.528	57.3242	57.2935	57.3746	57.4141	57.2262	57.1748	57.1449
Heading, Degrees	354	288	124	141	114	287	181	10	187	159	181	180	193
Average Depth (m)	111.5	197.5	126.1	120.6	162.7	144.4	69.49	102.4	71.31	95.09	78.63	126.1	138.9
Distance Fished (km)	1.777	1.833	1.814	1.87	1.852	1.722	1.852	1.889	1.833	1.907	1.87	1.852	1.889

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Haul	53	54	55	56	57	58	59	60	61	62	63	64	65
Location	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.
Month/Day/Year	06-28-24	06-28-24	06-28-24	06-29-24	06-29-24	06-29-24	06-29-24	06-29-24	06-29-24	06-29-24	06-29-24	06-29-24	06-30-24
Station	535C	535A	511A	UGAC	UGAD	UGAA	UGB	UGC	UGD	UGF	UGG	UGI	UGM
Longitude Start (°W)	-152.4378	-152.4559	-152.4635	-152.9975	-152.903	-152.8623	-152.7555	-152.6777	-152.6356	-152.5686	-152.5022	-152.5572	-152.5421
Latitude Start (°N)	57.1248	57.1676	57.2079	57.4565	57.4746	57.4987	57.4745	57.4531	57.4353	57.4041	57.386	57.3695	57.3275
Heading, Degrees	356	335	319	45	75	123	168	296	111	185	83	156	182
Average Depth (m)	153.6	137.1	104.2	36.57	65.83	76.8	89.6	93.26	98.75	89.6	65.83	96.92	106
Distance Fished (km)	1.87	1.889	1.87	1.852	1.889	1.889	1.833	1.87	1.926	1.87	1.463	1.852	1.814
Haul	66	67	68	69	70	71	72	73	74	75	76	77	78
Location	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.
Month/Day/Year	06-30-24	06-30-24	06-30-24	06-30-24	06-30-24	06-30-24	07-01-24	07-01-24	07-01-24	07-01-24	07-01-24	07-01-24	07-01-24
Station	510D	510C	534BX	534DX	561	533B	KLL	560	589	621	656	696	695
Longitude Start (°W)	-152.5463	-152.5461	-152.5608	-152.5005	-152.443	-152.7277	-152.7903	-152.6431	-152.4274	-152.4415	-152.4222	-152.4263	-152.5589
Latitude Start (°N)	57.2802	57.2202	57.187	57.1502	57.1092	57.1471	57.2297	57.0678	57.0187	56.9164	56.8554	56.7739	56.7412
Heading, Degrees	154	218	61	195	170	87	124	160	184	204	173	204	3
Average Depth (m)	102.4	91.43	102.4	129.8	153.6	148.1	137.1	153.6	137.1	157.2	164.5	177.3	142.6
Distance Fished (km)	1.87	1.889	1.87	1.852	1.87	1.87	1.852	1.907	1.833	1.852	1.87	1.852	1.87
Haul	79	80	81	82	83	84	85	86	87	88	89	90	91
Location	SE Kod.	SE Kod.	SE Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.
Month/Day/Year	07-02-24	07-02-24	07-02-24	07-02-24	07-02-24	07-02-24	07-03-24	07-03-24	07-03-24	07-03-24	07-03-24	07-03-24	07-04-24
Station	586	585X	618A	619	654	587	533A	588	655	620	559	KLD	KLA
Longitude Start (°W)	-152.9108	-153.0126	-152.8541	-152.7476	-152.7374	-152.6658	-152.7322	-152.6247	-152.562	-152.5473	-152.7483	-152.7465	-153.0783
Latitude Start (°N)	56.9584	56.95	56.9227	56.9311	56.8669	56.9819	57.1681	57.025	56.8506	56.9256	57.0831	57.282	57.3055
Heading, Degrees	225	248	15	127	134	44	188	146	178	314	38	194	82
Average Depth (m)	128	137.1	120.6	137.1	100.5	153.6	142.6	151.7	151.7	166.4	155.4	25.6	91.43
Distance Fished (km)	1.426	1.722	1.87	1.852	1.87	1.314	1.87	1.87	1.87	1.87	1.87	1.611	1.87
Haul	92	93	94	95	96	97	98	99	100	101	102	103	104
Location	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	E Kod.	SE Kod.	SE Kod.	SE Kod.	SE Kod.	SE Kod.	SE Kod.
Month/Day/Year	07-04-24	07-04-24	07-04-24	07-04-24	07-04-24	07-04-24	07-04-24	07-05-24	07-05-24	07-05-24	07-05-24	07-05-24	07-05-24
Station	KLB	KLC	KLI	KLH	KLG	KLF	KLE	THN	THM	THL	THK	THJ	THI
Longitude Start (°W)	-152.9847	-152.9425	-152.8617	-152.908	-152.9769	-153.039	-153.1147	-153.3341	-153.3475	-153.3902	-153.4928	-153.4607	-153.5903
Latitude Start (°N)	57.3116	57.2976	57.2456	57.223	57.2126	57.2028	57.1875	57.1715	57.1543	57.1235	57.148	57.0756	57.0684
Heading, Degrees	135	148	135	250	235	258	236	186	206	201	165	164	115
Average Depth (m)	80.46	91.43	124.3	133.4	120.6	126.1	117	109.7	120.6	122.5	104.2	117	95.09
Distance Fished (km)	1.5	1.889	1.852	1.87	1.87	1.889	1.889	1.852	1.537	1.87	1.889	1.889	1.87

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Haul	105	106	107	108	109	110	111	112	113	114	115	116	117
Location	SE Kod.	SE Kod.	SE Kod.	SE Kod.	SE Kod.	SE Kod.	SE Kod.	SE Kod.	SE Kod.	SE Kod.	SE Kod.	SE Kod.	SE Kod.
Month/Day/Year	07-05-24	07-05-24	07-06-24	07-06-24	07-06-24	07-06-24	07-06-24	07-06-24	07-07-24	07-07-24	07-07-24	07-07-24	07-07-24
Station	THF	THG	THH	THDX	THCX	614	615	651	THA	688	727	761	729
Longitude Start (°W)	-153.5855	-153.474	-153.4164	-153.4769	-153.4976	-153.4636	-153.4157	-153.25	-153.72	-153.5982	-153.4894	-153.309	-153.1926
Latitude Start (°N)	57.0204	57.0071	57.019	56.9851	56.965	56.9239	56.9055	56.8473	56.8858	56.7214	56.6756	56.6121	56.6653
Heading, Degrees	60	59	355	180	183	174	2	128	62	171	174	92	359
Average Depth (m)	76.8	124.3	115.2	129.8	129.8	140.8	142.6	175.5	49.37	149.9	149.9	142.6	149.9
Distance Fished (km)	1.555	1.852	1.87	1.87	1.87	1.889	1.87	1.852	1.87	1.87	1.907	1.852	1.87
Haul	118	119	120	121	122	123	124	125	126	127	128	129	130
Location	SE Kod.	SE Kod.	SE Kod.	SE Kod.	SE Kod.	SW Kod.	SW Kod.	SW Kod.	SW Kod.	SW Kod.	SW Kod.	SW Kod.	SW Kod.
Month/Day/Year	07-07-24	07-08-24	07-08-24	07-08-24	07-08-24	07-09-24	07-09-24	07-09-24	07-09-24	07-09-24	07-09-24	07-09-24	07-09-24
Station	728	726	760	759	725	646B	646A	645B	646C	682B	683A	683B	683D
Longitude Start (°W)	-153.3052	-153.5898	-153.4529	-153.5733	-153.8322	-154.3897	-154.4124	-154.5021	-154.4747	-154.5384	-154.4832	-154.397	-154.3684
Latitude Start (°N)	56.6562	56.6975	56.579	56.5546	56.6663	56.8431	56.8609	56.8548	56.8208	56.7763	56.7644	56.7609	56.7315
Heading, Degrees	226	153	195	197	44	359	246	184	131	128	95	90	108
Average Depth (m)	148.1	153.6	131.6	146.2	98.75	58.51	62.17	67.66	65.83	69.49	64	64	74.97
Distance Fished (km)	1.87	1.87	1.833	1.852	1.481	1.889	1.87	1.87	1.889	1.889	1.852	1.852	1.852
Haul	131	132	133	134	135	136	137	138	139	140	141	142	143
Location	SW Kod.	SW Kod.	SW Kod.	SW Kod.	SW Kod.	SW Kod.	SW Kod.	SW Kod.	SW Kod.	SW Kod.	SW Kod.	SW Kod.	SW Kod.
Month/Day/Year	07-09-24	07-10-24	07-10-24	07-10-24	07-10-24	07-10-24	07-10-24	07-10-24	07-10-24	07-10-24	07-10-24	07-11-24	07-11-24
Station	684C	ALR	ALR	ALQ	ALP	ALO	ALL	ALI	ALH	ALF	ALG	ALD	ALBX
Longitude Start (°W)	-154.3356	-153.8057	-153.8063	-153.894	-153.9554	-154.0065	-154.0852	-154.1027	-154.1325	-154.1641	-154.0964	-154.1902	-154.2289
Latitude Start (°N)	56.7369	57.1263	57.1272	57.0862	57.0445	56.9889	56.9254	56.8982	56.8795	56.8564	56.8599	56.8793	56.8427
Heading, Degrees	85	216	224	220	208	209	42	30	29	2	45	182	126
Average Depth (m)	74.97	117	118.8	173.7	155.4	137.1	93.26	78.63	65.83	56.69	60.34	58.51	40.23
Distance Fished (km)	1.87	0.74	1.87	1.87	1.852	1.87	1.87	1.907	1.87	1.87	1.889	1.889	1.852
Haul	144	145	146	147	148	149	150	151	152	153	154	155	156
Location	SW Kod.	SW Kod.	SW Kod.	SW Kod.	SW Kod.	SW Kod.	SW Kod.	SW Kod.	Kujulik	Kujulik	Kujulik	Kujulik	Kujulik
Month/Day/Year	07-11-24	07-11-24	07-11-24	07-11-24	07-11-24	07-11-24	07-12-24	07-12-24	07-22-24	07-22-24	07-22-24	07-22-24	07-22-24
Station	646D	684A	684B	ALA	ALCA	ALJ	ALM	ALK	4290	4296	4301	4308	4302
Longitude Start (°W)	-154.3351	-154.2856	-154.235	-154.131	-154.1277	-154.0303	-153.975	-153.9524	-157.8477	-157.7743	-157.6879	-157.6132	-157.675
Latitude Start (°N)	56.8139	56.7461	56.7623	56.7992	56.8247	56.8986	56.9349	56.927	56.6051	56.6229	56.5662	56.5402	56.5399
Heading, Degrees	275	259	51	112	23	42	231	49	138	149	151	147	126
Average Depth (m)	54.86	58.51	76.8	54.86	73.14	71.31	69.49	71.31	25.6	65.83	93.26	135.3	100.5
Distance Fished (km)	1.852	1.87	1.87	1.852	1.87	1.87	1.87	1.852	1.889	1.87	1.87	1.87	1.852
Bottom Temp. (°C)									8.14	7.33	6.29	5.81	5.89

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Haul	157	158	159	160	161	162	163	164	165	166	167	168	169
Location	Kujulik	Chignik	Chignik	Chignik	Chignik	Chignik	Chignik	Chignik	Chignik	Chignik	Chignik	Chignik	Castle
Month/Day/Year	07-22-24	07-22-24	07-23-24	07-23-24	07-23-24	07-23-24	07-23-24	07-23-24	07-23-24	07-24-24	07-24-24	07-24-24	07-24-24
Station	4298	4287	4272	4266	4256	4262	4267	4274	4278	4277	4282	4286	4312
Longitude Start (°W)	-157.7499	-157.9284	-158.0926	-158.2115	-158.3054	-158.2709	-158.1637	-158.1434	-158.034	-158.0576	-157.9954	-157.9142	-158.1504
Latitude Start (°N)	56.535	56.4052	56.4867	56.4201	56.4212	56.3485	56.4003	56.4056	56.3924	56.4283	56.4215	56.4263	56.2547
Heading, Degrees	82	60	141	91	270	122	112	100	303	170	91	104	77
Average Depth (m)	91.43	193.8	124.3	155.4	95.09	73.14	126.1	168.2	193.8	182.8	197.5	166.4	131.6
Distance Fished (km)	1.87	1.87	1.87	1.852	1.222	1.814	1.889	1.944	1.87	1.37	1.852	1.87	1.852
Bottom Temp. (°C)	6.73	5.55	5.01	4.85	4.89	6.33	4.64	5.34	5.51	5.49	5.5	5.33	6.26
Haul	170	171	172	173	174	175	176	177	178	179	180	181	182
Location	Castle	Castle	Castle	Castle	Castle	Mitro.	Mitro.	Mitro.	Mitro.	Mitro.	Mitro.	Mitro.	Mitro.
Month/Day/Year	07-24-24	07-24-24	07-24-24	07-25-24	07-25-24	07-25-24	07-25-24	07-25-24	07-25-24	07-26-24	07-26-24	07-26-24	07-26-24
Station	4270	4271	4264	4964	4265	4066B	4066A	4050B	4050A	4036	4037	4038B	4038A
Longitude Start (°W)	-158.1858	-158.2144	-158.2595	-158.343	-158.3075	-158.5578	-158.5982	-158.6646	-158.7197	-158.9311	-158.9651	-158.9118	-158.976
Latitude Start (°N)	56.2504	56.233	56.2363	56.2246	56.1898	55.8886	55.871	55.8943	55.8951	55.8839	55.8226	55.7038	55.7002
Heading, Degrees	63	61	204	91	30	167	356	179	301	196	173	196	27
Average Depth (m)	106	96.92	76.8	73.14	58.51	120.6	118.8	120.6	140.8	131.6	131.6	148.1	146.2
Distance Fished (km)	1.87	1.87	1.889	1.852	1.852	1.852	1.889	1.852	1.87	1.87	1.87	1.852	1.852
Bottom Temp. (°C)	6.23	6.18	6.27	6.49	6.71	5.81	5.89	5.69	5.61	5.28	5.09	5.1	5.08
Haul	183	184	185	186	187	188	189	190	191	192	193	194	195
Location	Mitro.	Mitro.	Mitro.	Kuiukta	Kuiukta	Kuiukta	Mitro.	Mitro.	Mitro.	Ivanof	Ivanof	Ivanof	Ivanof
Month/Day/Year	07-26-24	07-26-24	07-26-24	07-27-24	07-27-24	07-27-24	07-27-24	07-27-24	07-27-24	07-27-24	07-28-24	07-28-24	07-28-24
Station	4026	4025	4035	4063	4048	4064	4065	4049	4024	4915	4007	4000X	4900X
Longitude Start (°W)	-159.0285	-159.0078	-158.8426	-158.5814	-158.634	-158.5933	-158.5656	-158.7488	-159.0693	-159.1797	-159.3911	-159.4886	-159.4976
Latitude Start (°N)	55.7162	55.7834	55.9518	56.1331	56.0645	55.9968	55.9489	55.9205	55.8916	55.862	55.78	55.8201	55.8625
Heading, Degrees	19	0	106	219	175	337	181	293	138	210	194	149	64
Average Depth (m)	140.8	124.3	142.6	155.4	175.5	157.2	104.2	144.4	100.5	65.83	89.6	73.14	40.23
Distance Fished (km)	1.87	1.87	1.852	1.852	1.889	1.87	1.852	1.87	1.87	1.852	1.87	1.852	1.185
Bottom Temp. (°C)	5.07	5.11	5.65	4.43	4.14	4.84	5.77	5.66	5.48		5.88	5.2	6.63
Haul	196	197	198	199	200	201	202	203	204	205	206	207	208
Location	Ivanof	Ivanof	Stepovak	Stepovak	Stepovak	Stepovak	Unga S	Unga S	Unga S	Balboa	Balboa	Balboa	Balboa
Month/Day/Year	07-28-24	07-28-24	07-28-24	07-29-24	07-29-24	07-29-24	07-29-24	07-29-24	07-29-24	07-30-24	07-30-24	07-30-24	07-30-24
Station	4000Y	4008	STD	STA	STB	STE	368A	348	329B	BAA	BAC	BAD	BAF
Longitude Start (°W)	-159.4772	-159.4206	-159.825	-159.8141	-159.7601	-159.766	-160.1721	-160.2992	-160.4228	-160.7023	-160.6156	-160.572	-160.5532
Latitude Start (°N)	55.7885	55.7395	55.7541	55.8075	55.8286	55.7895	55.5803	55.5238	55.4669	55.5398	55.5196	55.509	55.4781
Heading, Degrees	123	154	17	5	173	182	227	67	48	114	176	336	333
Average Depth (m)	84.12	104.2	122.5	100.5	111.5	124.3	181	202.9	186.5	31.08	100.5	96.92	82.29
Distance Fished (km)	1.852	1.833	1.87	1.87	1.87	1.87	1.87	1.852	1.5	1.611	1.87	1.87	1.852
Bottom Temp. (°C)	5.73	5.93	4.46	5.02	4.83	4.44	5.08	5.06	4.98	6.9	5.19	5.63	6.16

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Haul	209	210	211	212	213	214	215	216	217	218	219	220	221
Location	Balboa	Unga S	Unga S	Unga S	Unga S	W. Nagai	W. Nagai	W. Nagai	W. Nagai	W. Nagai	W. Nagai	W. Nagai	W. Nagai
Month/Day/Year	07-30-24	07-30-24	07-30-24	07-30-24	07-31-24	07-31-24	07-31-24	07-31-24	07-31-24	07-31-24	08-01-24	08-01-24	08-01-24
Station	BAE	311A	311B	311C	329C	371	393	373B	373A	353	301	318	337
Longitude Start (°W)	-160.602	-160.5937	-160.584	-160.5023	-160.4884	-160.1518	-159.9799	-160.055	-160.1235	-160.311	-160.7373	-160.6338	-160.4941
Latitude Start (°N)	55.4876	55.468	55.4563	55.4336	55.4292	55.2779	55.1985	55.1496	55.1176	55.0984	54.8045	54.7931	54.7684
Heading, Degrees	170	171	100	272	65	328	340	317	320	208	126	112	33
Average Depth (m)	118.8	126.1	135.3	135.3	133.4	135.3	78.63	76.8	29.25	138.9	107.8	109.7	109.7
Distance Fished (km)	1.852	1.852	1.852	1.87	1.852	1.852	1.555	1.87	1.852	1.87	1.852	1.481	1.5
Bottom Temp. (°C)	4.71	4.69	4.71	4.8	4.83	5.47	5.8	5.88	7.28	5.38	5	5.1	5.02
Haul	222	223	224	225	226	227	228	229	230	231	232	233	234
Location	W. Nagai	W. Nagai	W. Nagai	W. Nagai	Beaver	Beaver	Beaver	Beaver	Pavlof	Pavlof	Pavlof	Pavlof	Pavlof
Month/Day/Year	08-01-24	08-01-24	08-01-24	08-01-24	08-02-24	08-02-24	08-02-24	08-02-24	08-03-24	08-03-24	08-03-24	08-03-24	08-04-24
Station	335	334	354	332B	BVB	BVA	BVC	278	245	PARB	PAP	PALX	PAIX
Longitude Start (°W)	-160.4882	-160.4219	-160.3444	-160.3744	-160.8733	-160.9069	-160.8886	-160.9451	-161.221	-161.5923	-161.5659	-161.5428	-161.5846
Latitude Start (°N)	54.9763	55.029	55.0727	55.204	55.5031	55.4947	55.4591	55.3794	55.2701	55.4169	55.4574	55.5003	55.5323
Heading, Degrees	358	40	40	354	201	189	254	4	293	171	238	199	176
Average Depth (m)	111.5	151.7	142.6	186.5	32.91	42.06	87.77	109.7	84.12	84.12	76.8	54.86	45.71
Distance Fished (km)	1.87	1.87	1.444	1.852	1.852	1.87	1.87	1.87	1.814	1.87	1.852	1.833	1.074
Bottom Temp. (°C)	5.47	5.35	5.35	5.53	6.82	6.66	6.49	6.31	6.27	5.66	6.32	6.63	6.78
Haul	235	236	237	238	239	240	241	242	243	244	245	246	247
Location	Pavlof	Pavlof	Pavlof	Pavlof	Pavlof	Pavlof	Volcano	Volcano	Pavlof	Pavlof	Pavlof	Pavlof	Pavlof
Month/Day/Year	08-04-24	08-04-24	08-04-24	08-04-24	08-04-24	08-04-24	08-05-24	08-05-24	08-05-24	08-05-24	08-05-24	08-05-24	08-05-24
Station	PAOB	PARA	PAU	PAV	VOD	VOBX	VOLX	VOPX	VOQ	VOR	VON	VOM	VOFB
Longitude Start (°W)	-161.6452	-161.6663	-161.6746	-161.575	-161.5488	-161.6017	-161.9739	-161.9396	-161.8224	-161.748	-161.7589	-161.8379	-161.8217
Latitude Start (°N)	55.4532	55.411	55.3727	55.3545	55.3151	55.3107	55.2143	55.1832	55.1988	55.1977	55.2275	55.2295	55.2594
Heading, Degrees	199	196	192	187	56	257	115	35	92	114	54	2	42
Average Depth (m)	91.43	104.2	124.3	96.92	117	98.75	73.14	82.29	91.43	118.8	118.8	89.6	98.75
Distance Fished (km)	1.852	1.852	1.833	1.852	1.852	1.87	1.852	1.87	1.87	1.852	1.852	1.852	1.87
Bottom Temp. (°C)	5.88	5.39	4.95	5.1	4.79	4.97	5.69	5.58	5.46	4.92	4.9	5.93	5.79
Haul	248	249	250	251	252	253	254	255	256	257	258	259	260
Location	Pavlof	Pavlof	Pavlof	Pavlof	Pavlof	Unalaska	Unalaska	Unalaska	Unalaska	Unalaska	Unalaska	Unalaska	Makush.
Month/Day/Year	08-05-24	08-05-24	08-06-24	08-06-24	08-06-24	08-09-24	08-09-24	08-09-24	08-09-24	08-09-24	08-09-24	08-10-24	08-10-24
Station	VOG	VOA	VOH	VOI	228	UND	UNE	UNC	UNF	UNG	UNJ	UNI	MKE
Longitude Start (°W)	-161.7768	-161.7214	-161.6949	-161.6088	-161.2814	-166.4792	-166.503	-166.6026	-166.5246	-166.4367	-166.497	-166.6142	-166.9496
Latitude Start (°N)	55.2534	55.2939	55.2565	55.2823	55.2793	53.9442	53.9428	53.9172	53.9688	53.993	54.0308	54.0274	53.7305
Heading, Degrees	107	10	46	58	98	10	360	348	23	242	179	114	87
Average Depth (m)	107.8	115.2	109.7	106	82.29	80.46	111.5	138.9	153.6	89.6	170	85.94	201.1
Distance Fished (km)	1.87	1.87	1.852	1.852	1.852	1.129	1.129	1.833	1.87	1.944	1.852	1.24	1.852
Bottom Temp. (°C)	4.84	4.75	4.65	4.61	5.85	5.93	5.8	5.69	5.59	5.77	5.53	6.09	4.57

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Haul	261	262	263	264	265	266	267	268	269	270	271	272	273
Location	Makush.	Makush.	Makush.	Makush.	Makush.	Makush.	Kalekta	Beav. Inlet	Beav. Inlet	Beav. Inlet	Beav. Inlet	Beav. Inlet	Beav. Inlet
Month/Day/Year	08-11-24	08-11-24	08-11-24	08-11-24	08-11-24	08-11-24	08-12-24	08-12-24	08-12-24	08-12-24	08-13-24	08-13-24	08-13-24
Station	MKC	MKB	MKF	MKK	MKJ	MKN	KAA	BIN	BIK	BIG	BIB	BID	AKA
Longitude Start (°W)	-166.8511	-166.7853	-167.0108	-167.1768	-167.1198	-167.1136	-166.3295	-166.1782	-166.3002	-166.364	-166.5141	-166.4464	-165.7008
Latitude Start (°N)	53.716	53.7008	53.7397	53.7274	53.7189	53.6773	53.9734	53.8332	53.8461	53.8073	53.7337	53.7715	54.1454
Heading, Degrees	278	318	249	127	90	311	18	319	234	235	47	50	29
Average Depth (m)	179.2	102.4	197.5	122.5	129.8	135.3	84.12	62.17	292.5	256	175.5	248.7	73.14
Distance Fished (km)	1.87	1.685	1.833	1.87	0.944	1.852	1.666	1.074	1.87	1.852	1.87	1.87	1.796
Bottom Temp. (°C)	4.56	5.03	4.58	5.48	5.25	5.5	6.28	7.06	5.75	6.09	6.3	6.45	6.42
Haul	274	275	276	277	278	279	280	281	282	283	284	285	286
Location	Akutan	Akutan	Akutan	Akutan	Morzhov.	Morzhov.	Morzhov.	Morzhov.	Morzhov.	Morzhov.	Morzhov.	Morzhov.	Morzhov.
Month/Day/Year	08-13-24	08-13-24	08-13-24	08-13-24	08-15-24	08-15-24	08-16-24	08-16-24	08-16-24	08-16-24	08-16-24	08-16-24	08-16-24
Station	AKC	AKD	AKG	AKL	MORX	MOSX	87D	87AX	MOOX	MOK	MOL	MOH	MOI
Longitude Start (°W)	-165.7118	-165.7023	-165.7482	-165.7427	-163.1705	-163.1	-162.9483	-163.0048	-162.9868	-162.9928	-162.9553	-162.996	-162.9685
Latitude Start (°N)	54.1763	54.1884	54.2254	54.2529	54.8318	54.8536	54.779	54.8161	54.852	54.8885	54.9075	54.939	54.954
Heading, Degrees	353	356	344	355	87	51	144	49	343	24	346	331	169
Average Depth (m)	89.6	87.77	98.75	104.2	91.43	98.75	89.6	87.77	100.5	117	128	98.75	107.8
Distance Fished (km)	1.87	1.852	1.074	1.129	1.814	1.814	1.852	1.796	1.87	1.889	1.87	1.87	1.87
Bottom Temp. (°C)	5.7	5.71	5.66	5.64	6.44	6.34	5.87	6.43	6.27	6.24	6.45	6.23	6.47
Haul	287	288	289	290	291	292	293	294	295	296	297	298	299
Location	Morzhov.	Morzhov.	Morzhov.	Cold B.	Cold B.	Cold B.	Cold B.	Cold B.	Cold B.	Sanak I.	Sanak I.	Sanak I.	Sanak I.
Month/Day/Year	08-16-24	08-17-24	08-17-24	08-18-24	08-18-24	08-18-24	08-18-24	08-18-24	08-18-24	08-19-24	08-19-24	08-19-24	08-19-24
Station	MOG	MOF	MOD	COGB	COGA	COF	COE	COC	COB	126	138B	138C	138A
Longitude Start (°W)	-162.9971	-163.0215	-163.0414	-162.4275	-162.4741	-162.5284	-162.5454	-162.5547	-162.5965	-162.5572	-162.4036	-162.3459	-162.3834
Latitude Start (°N)	54.9926	54.9812	55.0164	55.1153	55.1429	55.1626	55.1987	55.2277	55.2276	54.4845	54.4451	54.4486	54.4749
Heading, Degrees	142	338	346	330	322	121	155	162	142	118	292	140	336
Average Depth (m)	91.43	80.46	89.6	54.86	91.43	95.09	67.66	49.37	54.86	138.9	146.2	146.2	142.6
Distance Fished (km)	1.852	1.852	1.87	1.87	1.87	1.852	1.87	1.24	1.389	1.852	1.87	1.852	1.87
Bottom Temp. (°C)	6.21	6.27	6.25	9.52	9.44	9.53	9.49	10.2	10.1	5.18		5.2	5.05
Haul	300	301	302	303	304	305	306	307	308	309	310	311	312
Location	Sanak I.	Sanak I.	Sanak I.	Deer I.	Deer I.	Belk. B.	Belk. B.	Belk. B.	Deer I.	Deer I.	Deer I.	Deer I.	W Kod.
Month/Day/Year	08-19-24	08-19-24	08-19-24	08-20-24	08-20-24	08-20-24	08-20-24	08-21-24	08-21-24	08-21-24	08-21-24	08-21-24	09-04-24
Station	137	125	113	COM	COOX	BEE	BECX	BEBX	BEF	BEG	156A	157A	KUF
Longitude Start (°W)	-162.4204	-162.5181	-162.6008	-162.4643	-162.3843	-162.1512	-162.1593	-162.1494	-162.112	-162.1722	-162.1159	-162.1236	-153.3013
Latitude Start (°N)	54.5132	54.5112	54.5006	55.0159	55.0014	55.0527	55.1149	55.1414	55.0201	54.9937	54.9817	54.9192	58.0289
Heading, Degrees	143	291	299	94	92	7	189	194	199	178	163	154	270
Average Depth (m)	146.2	146.2	138.9	80.46	106	84.12	80.46	69.49	91.43	82.29	87.77	78.63	160.9
Distance Fished (km)	1.852	1.852	1.852	1.87	1.74	1.852	1.87	1.852	1.87	1.87	1.852	1.852	1.629
Bottom Temp. (°C)	5.3	5.25	5.24	7.74	7.42	7.14	7.09	7.37	7.34	7.35	7.29	7.41	6.43

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Haul	313	314	315	316	317	318	319	320	321	322	323	324	325
Location	W Kod.	W Kod.	W Kod.	W Kod.	N Main.	N Main.	N Main.	N Main.	N Main.	N Main.	N Main.	N Main.	N Main.
Month/Day/Year	09-04-24	09-05-24	09-05-24	09-05-24	09-05-24	09-05-24	09-05-24	09-06-24	09-06-24	09-06-24	09-06-24	09-06-24	09-06-24
Station	KUJ	KUM	KUI	KUG	224	223	222	198	199	200	174	173	172
Longitude Start (°W)	-153.2936	-153.1174	-153.3889	-153.4328	-153.8331	-153.9368	-154.0656	-153.9192	-153.7916	-153.6307	-153.6517	-153.7907	-154.0411
Latitude Start (°N)	57.936	57.8629	57.9739	58.0424	58.1226	58.1486	58.1273	58.2383	58.2456	58.26	58.2912	58.3091	58.2839
Heading, Degrees	303	290	287	169	354	50	38	39	47	198	12	215	40
Average Depth (m)	168.2	64	246.8	74.97	197.5	208.4	252.3	219.4	192	179.2	179.2	201.1	131.6
Distance Fished (km)	1.87	1.833	1.833	1.852	1.852	1.87	1.852	1.87	1.907	1.87	1.87	1.87	1.852
Bottom Temp. (°C)	6.13	7.13	6.01	6.76	5.31	5.28	5.25	5.24	5.34	5.33	5.35	5.33	7.9
Haul	326	327	328	329	330	331	332	333	334	335	336	337	338
Location	N Main.	N Main.	N Main.	N Main.	N Main.	N Main.	N Main.	N Main.	N Main.	N Main.	N Main.	N Main.	N Main.
Month/Day/Year	09-06-24	09-07-24	09-07-24	09-07-24	09-07-24	09-07-24	09-07-24	09-07-24	09-07-24	09-08-24	09-08-24	09-08-24	09-08-24
Station	171D	171A	171C	144	145	146	147	119	118	2	3	31	61
Longitude Start (°W)	-154.1048	-154.2599	-154.208	-153.9735	-153.8361	-153.7064	-153.5015	-153.4758	-153.6179	-153.2047	-153.0448	-153.2059	-153.2136
Latitude Start (°N)	58.3203	58.3037	58.3247	58.4369	58.428	58.3789	58.3844	58.4895	58.4906	58.7835	58.7851	58.7271	58.6743
Heading, Degrees	100	71	72	70	37	38	37	245	52	16	88	208	231
Average Depth (m)	84.12	113.3	106	87.77	98.75	179.2	184.6	153.6	0	148.1	146.2	153.6	157.2
Distance Fished (km)	1.852	1.87	1.87	1.852	1.87	1.87	1.852	1.852	1.852	1.87	1.833	1.833	1.852
Bottom Temp. (°C)	8.91	8.18	8.3	8.85	8.79	5.36	5.41	6.5	8	7.44	6.7	6.54	6.06
Haul	339	340	341	342	343	344	345	346	347	348	349	350	351
Location	N Main.	N Main.	N Main.	N Main.	N Main.	N Main.	W Kod.	W Kod.	W Kod.	W Kod.	W Kod.	W Kod.	W Kod.
Month/Day/Year	09-08-24	09-08-24	09-08-24	09-09-24	09-09-24	09-09-24	09-09-24	09-09-24	09-09-24	09-10-24	09-10-24	09-10-24	09-10-24
Station	60	91	90	117	120	121	PMA	MAA	RAA	KUK	KULA	KULB	KUYA
Longitude Start (°W)	-153.3155	-153.3818	-153.5119	-153.812	-153.3165	-153.2179	-152.951	-153.0721	-153.2269	-153.2529	-153.2233	-153.2073	-153.1951
Latitude Start (°N)	58.6481	58.583	58.5538	58.4525	58.4988	58.4768	58.3013	58.2163	58.1418	57.918	57.8616	57.8327	57.7906
Heading, Degrees	220	193	232	58	88	38	320	277	141	299	329	359	179
Average Depth (m)	118.8	138.9	122.5	91.43	173.7	171.8	135.3	135.3	118.8	140.8	107.8	82.29	65.83
Distance Fished (km)	1.87	1.852	1.87	1.87	1.87	1.87	1.852	1.889	1.852	1.852	1.74	1.907	1.87
Bottom Temp. (°C)	8.21	7.77	8.36	8.88	5.41	5.42	7.51	7.15	7.14	6.27	7.07	7.14	8.64
Haul	352	353	354	355	356	357	358	359	360	361	362	363	364
Location	W Kod.	W Kod.	W Kod.	W Kod.	W Kod.	W Kod.	W Kod.	W Kod.	W Kod.	W Kod.	W Kod.	W Kod.	W Kod.
Month/Day/Year	09-10-24	09-10-24	09-10-24	09-11-24	09-11-24	09-11-24	09-11-24	09-11-24	09-11-24	09-11-24	09-11-24	09-12-24	09-12-24
Station	KUYB	KUNX	KUP	KUW	KUV	KUU	KUXB	KUXA	KUT	KUS	KUQ	UYBX	UYEX
Longitude Start (°W)	-153.2145	-153.3749	-153.4473	-153.5189	-153.5293	-153.4783	-153.3795	-153.4045	-153.518	-153.5506	-153.5222	-153.9991	-153.9477
Latitude Start (°N)	57.7419	57.8353	57.8577	57.6807	57.7399	57.7812	57.7355	57.7678	57.8079	57.8763	57.8845	57.7435	57.6853
Heading, Degrees	25	302	289	341	356	317	354	321	334	145	320	150	163
Average Depth (m)	25.6	135.3	162.7	69.49	89.6	155.4	106	122.5	184.6	181	186.5	138.9	193.8
Distance Fished (km)	1.314	1.852	1.852	1.87	1.574	1.87	1.87	1.796	1.852	1.889	1.852	1.814	1.852
Bottom Temp. (°C)	9.41	6.16	6.09	7.14	6.18	6.01	6.01	6.09	6.15	6.28	6.23	7.02	6.93

-continued-

Appendix B1.–Page 8 of 8.

Haul	365	366	367	368	369	370	371	372	373
Location	W Kod.	W Kod.	W Kod.	W Kod.	W Kod.	W Kod.	W Kod.	W Kod.	W Kod.
Month/Day/Year	09-12-24	09-12-24	09-12-24	09-12-24	09-12-24	09-13-24	09-13-24	09-13-24	09-04-24
Station	UYFX	UYHX	UYKX	UYMX	UYO	UYQX	UYSS	UYT	KUD
Longitude Start (°W)	-153.8273	-153.7142	-153.8759	-153.899	-153.7955	-153.9034	-153.8178	-153.7945	-153.1679
Latitude Start (°N)	57.6734	57.6622	57.5908	57.5652	57.5685	57.4844	57.4287	57.3668	57.9848
Heading, Degrees	271	264	330	353	318	338	164	343	276
Average Depth (m)	151.7	95.09	131.6	109.7	78.63	148.1	84.12	43.88	38.4
Distance Fished (km)	1.87	1.87	1.852	1.852	1.852	1.833	1.852	1.889	0.851
Bottom Temp. (°C)	7.3	7.34	7.28	7.29	7.62	7.33	7.5	8.19	7.76

Appendix B2.–2024 bottom trawl survey locations, stations, and station areas by district and section.

KODIAK DISTRICT							
Northeast Section				Eastside Section			
Chiniak Gully		Chiniak Bay		Ugak Bay		Barnabas Gully	
Station	km ²	Station	km ²	Station	km ²	Station	km ²
395	85.8	CHA	5.5	UGAA	16.0	486A	25.0
420	83.3	CHB	7.9	UGAC	3.2	486B	29.4
421	83.3	CHE	20.6	UGAD	4.4	510C	21.5
443	83.5	CHF	12.7	UGB	5.8	510D	38.0
444	83.5	CHG	32.8	UGC	17.5	511A	42.0
369X	142.8	CHJ	11.3	UGD	11.0	511B	42.9
Total	562.1	CHK	8.6	UGE	12.7	533A	42.9
Marmot Bay		CHL	14.1	UGF	15.8	533B	42.9
Station	km ²	Total	113.4	UGG	11.0	534BX	20.8
MOEX	36.2			UGI	22.3	534DX	29.0
MOGX	65.9	Kizhuyak Bay		UGJ	21.0	535A	21.1
MOLA	28.0	Station	km ²	UGM	16.8	535B	21.4
MOLB	44.8	KZA	11.7	Total	157.4	535C	21.1
MONX	75.5	KZB	2.7			535D	21.4
MOPA	27.8	KZC	12.3	Kiliuda Bay		559	85.8
MOPB	19.9	KZD	23.7	Station	km ²	560	85.8
MOXA	13.0	KZE	25.8	KLA	20.92	561	85.8
MOXB	29.5	KZF	20.1	KLB	9.261	587	85.8
256	82.1	KZG	21.2	KLC	19.55	588	85.8
257	82.1	KZJ	21.4	KLD	18.18	589	85.8
284	82.4	KZK	21.4	KLE	8.232	619	85.8
285	82.4	KZO	21.4	KLF	15.09	620	85.8
313	85.8	KZR	10.8	KLG	16.46	621	85.8
314	82.5	KZS	3.1	KLH	16.81	654	85.8
255A	64.4	Total	195.7	KLI	21.44	655	85.8
255B	63.9			KLL	21.44	656	85.8
283A	67.9			Total	167.4	695	85.8
283B	64.0					696	85.8
Total	1,098.1					Total	1,619.9
Southeast Section				Southwest Section			
South Sitkalidak Strait		Offshore Twoheaded		Alitak Flats		Alitak Bay	
Station	km ²	Station	km ²	Station	km ²	Station	km ²
THA	15.1	618A	42.9	645B	34.3	ALA	3.1
THCX	19.6	585X	78.8	646A	27.1	ALBX	12.8
THDX	28.6	614	44.0	646B	16.5	ALCA	8.1
THFA	22.3	615	99.5	646C	27.9	ALD	13.0
THG	20.0	651	85.8	646D	37.4	ALF	21.4
THH	20.4	Total	351.0	682B	21.7	ALG	19.9
THI	21.6	Horse's Head		683A	22.2	ALH	16.1
THJ	17.8	Station	km ²	683B	20.9	ALI	16.6
THK	16.5	586	85.8	683D	9.3	ALJ	15.1
THL	9.3	688	85.8	684A	21.7	ALK	9.9
THM	10.6	725	85.8	684B	10.3	ALL	8.2
THN	5.1	726	85.8	684C	8.6	ALM	16.1
Total	206.8	727	85.8	Total	257.9	ALO	16.8
		728	85.8			ALP	18.4
		729	85.8			ALQ	14.4
		759	85.8			ALR	13.4
		760	85.8			Total	223.5
		761	85.8				
		Total	857.5				

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Appendix B2.—Page 2 of 4.

KODIAK DISTRICT (Continued)							
Westside Section							
Uganik Bay		Uyak Bay		Kupreanof-Viekoda		North Mainland Section	
Station	KM ²	Station	KM ²	Station	KM ²	Station	KM ²
KUNX	10.7	UYBX	21.5	KUD <i>untowed</i>	27.1	2	85.6
KUP	13.3	UYEX	29.9	KUF	11.3	3	85.8
KUQ	20.6	UYFX	22.1	KUG	15.4	31	83.7
KUS	12.1	UYHX	4.1	KUI	6.4	60	85.8
KUT	9.4	UYKX	13.9	KUJ	17.0	61	85.8
KUU	13.7	UYMX	20.8	KUK	14.1	90	80.3
KUV	4.1	UYO	3.4	KULB	2.7	91	85.8
KUW	5.2	UYQX	7.7	KULA	2.1	117	97.8
KUXB	4.1	UYSS	6.0	KUM	10.5	118	85.8
KUXA	5.6	UYT	2.8	KUYA	4.1	119	85.8
Total	98.7	Total	132.1	KUYB	2.6	120	85.8
				Total	113.2	121	85.8
West Afognak						144	60.7
Station	KM ²					145	85.8
MAA	10.5					146	85.8
PMA	15.1					147	85.8
RAA	6.7					171A	11.4
Total	32.3					171C	7.6
						171D	28.6
						172	79.5
						173	85.8
						174	85.8
						198	85.8
						199	85.8
						200	85.8
						222	103.2
						223	85.8
						224	85.8
						Total	2,181.9

KODIAK DISTRICT TOTALS	
	KM ²
Northeast	1,969.3
Eastside	1,944.7
Southeast	1,415.3
Southwest	481.4
Westside	376.4
North Mainland	2,181.9
Kodiak District	8,369.0

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CHIGNIK DISTRICT							
Chignik Bay		Ivanof Bay		Kujulik Bay		Mitrofanias Island	
Station	KM ²	Station	KM ²	Station	KM ²	Station	KM ²
4256	22.5	4000X	5.6	4290	21.3	4038A	43.7
4262	21.4	4000Y	15.8	4296	10.3	4038B	43.7
4264	19.7	4900X	10.4	4298	19.0	4050A	25.9
4265	6.6	4007	37.2	4301	21.4	4050B	42.9
4266	19.6	4008	42.1	4302	18.2	4066A	43.6
4267	21.4	4915	51.0	4308	17.2	4066B	43.6
4270	17.1	Total	162.1	Total	107.3	4024	57.6
4271	10.0					4025	43.7
4272	15.9					4026	43.7
4274	21.4					4035	59.3
4277	21.4					4036	64.9
4278	21.4					4037	43.7
4282	21.4					4048	17.6
4286	21.4					4049	57.2
4287	28.5					4063	34.3
4312	21.9					4064	38.6
4964	9.6					4065	80.0
Total	321.5					Total	783.9

CHIGNIK DISTRICT TOTALS

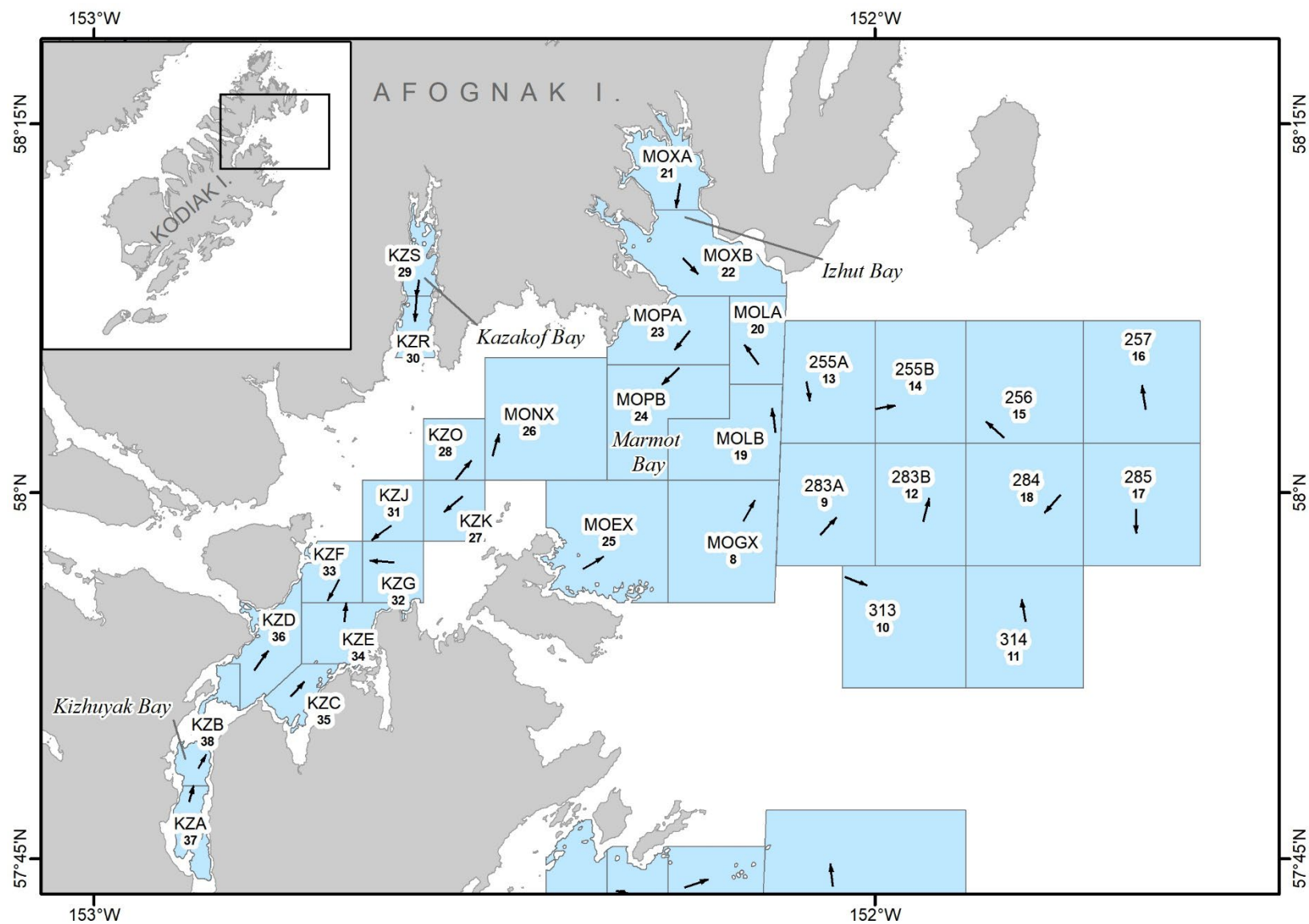
	KM ²
Chignik Bay	321.5
Ivanof Bay	162.1
Kujulik Bay	107.3
Mitrofanias Island	783.9
Chignik District	1,374.7

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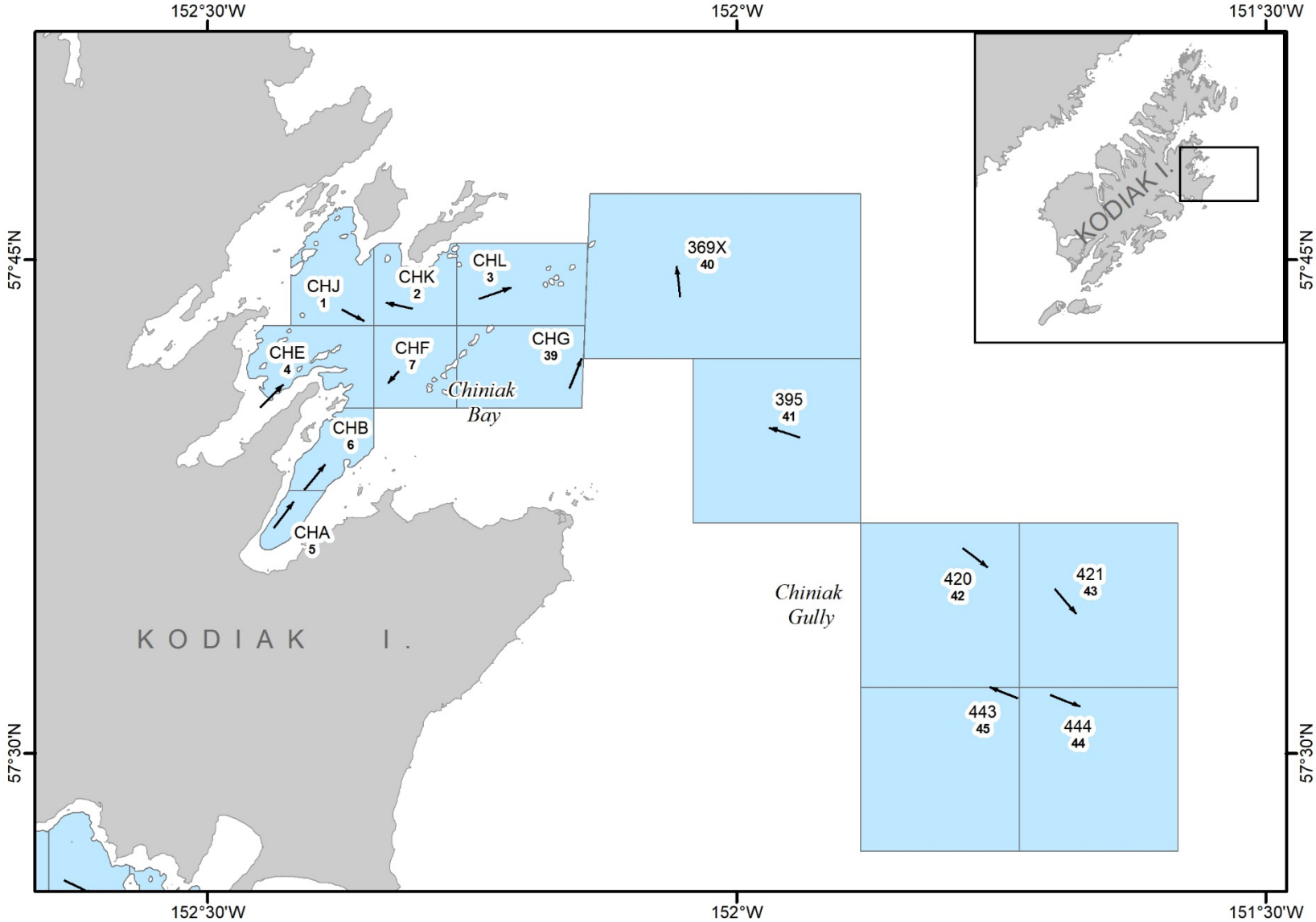
SOUTH PENINSULA DISTRICT							
Pavlof/Volcano Bay		West Nagai Strait		Cold/Belkofski Bay		Morzhovoi Bay	
Station	KM ²	Station	KM ²	Station	KM ²	Station	KM ²
228	12.8	332B	42.9	156A	44.2	87AX	42.9
245	21.0	373A	28.0	157A	21.0	87D	22.3
PAH	<i>untowed</i> 14.2	373B	20.5	BEBX	15.1	MOB	<i>untowed</i> 18.5
PAEX	<i>untowed</i> 37.5	301	85.8	BECX	25.7	MOD	16.1
PAIX	38.3	318	85.8	BEE	21.4	MOF	20.0
PALX	39.9	334	85.8	BEF	14.5	MOG	17.6
PAOB	19.6	335	85.8	BEG	20.3	MOH	15.1
PAP	20.8	337	85.8	COB	20.8	MOI	16.9
PARA	19.1	353	86.1	COC	14.2	MOK	21.4
PARB	20.8	354	85.8	COE	20.2	MOL	21.4
PAU	21.4	371	76.0	COF	11.5	MOOX	43.8
PAV	20.6	393	42.0	COGA	9.8	MORX	33.7
VOA	22.1	Total	810.0	COGB	3.6	MOSX	42.7
VOBX	43.5			COH	<i>untowed</i> 4.8	Total	332.4
VOD	20.8	Beaver/Balboa/Unga		COM	18.5		
VOFB	15.5	Station	KM ²	COOX	27.7	Sanak Island	
VOG	22.1	278	71.4	Total	293.5	Station	KM ²
VOH	21.7	348	85.8			138A	34.8
VOI	21.2	311A	15.5	Stepovak Bay		138B	18.4
VOLX	17.7	311B	19.4	Station	KM ²	138C	56.9
VOM	27.5	311C	16.2	STA	21.0	113	77.2
VON	22.1	329B	21.4	STB	18.9	125	77.2
VOPX	29.7	329C	21.4	STD	22.4	126	77.8
VOQ	15.9	BAA	12.0	STE	15.5	137	85.8
VOR	21.1	BAC	16.9	Total	77.8	Total	428.0
Total	586.9	BAD	8.3	S PENINSULA DISTRICT TOTALS			
		BAE	12.7				KM ²
		BAF	9.4	Sanak Island		428.0	
		BVA	13.5	Morzhovoi Bay		332.4	
		BVB	14.0	Cold/Belkofski Bay		293.5	
		BVC	18.9	Pavlof/Volcano Bay		586.9	
		368A	43.9	West Nagai Strait		810.0	
		Total	400.7	Beaver/Balboa/Unga		400.7	
				Stepovak Bay		77.8	
				S Peninsula District		2,929.4	
EASTERN ALEUTIAN DISTRICT							
Unalaska/Kalekta Bay Section		Makushin Bay Section		Akutan Bay Section		Beaver Inlet	
Station	KM ²	Station	KM ²	Station	KM ²	Station	KM ²
KAA	19.5	MKB	15.8	AKA	33.2	BIB	17.3
UNC	22.6	MKC	18.5	AKC	21.2	BID	19.0
UND	11.7	MKE	29.1	AKD	22.5	BIG	22.6
UNE	17.9	MKF	20.9	AKG	21.4	BIK	13.1
UNF	21.4	MKJ	22.9	AKL	21.4	BIN	17.5
UNG	21.4	MKK	35.7	Total	119.7	Total	89.5
UNI	19.7	MKN	26.2	E ALEUTIAN DISTRICT TOTALS			
UNJ	21.4	MKP	<i>untowed</i> 11.1	Section		KM ²	
Total	155.7	Total	180.2	Akutan Bay		119.7	
				Unalaska/Kalekta Bay		155.7	
				Makushin Bay		180.2	
				Beaver Inlet		89.5	
				E Aleutian District		545.1	

APPENDIX C: TRAWL MAPS

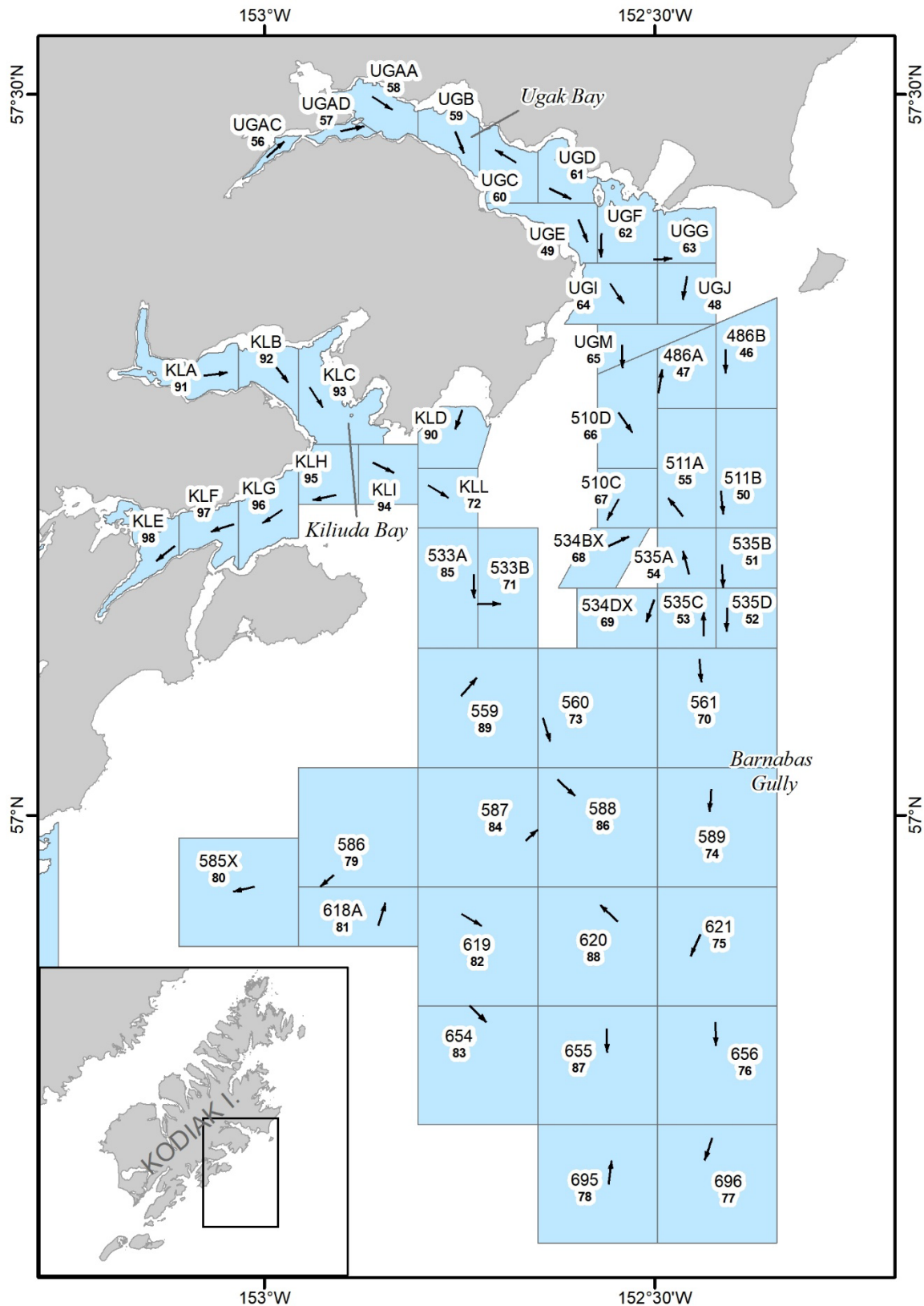
Appendix C1.–Izhut Bay, Kazakof Bay, Kizhuyak Bay, and Marmot Bay station boundaries with station name, trawl haul number (**bold**), and haul location and direction (arrow), June 2024.



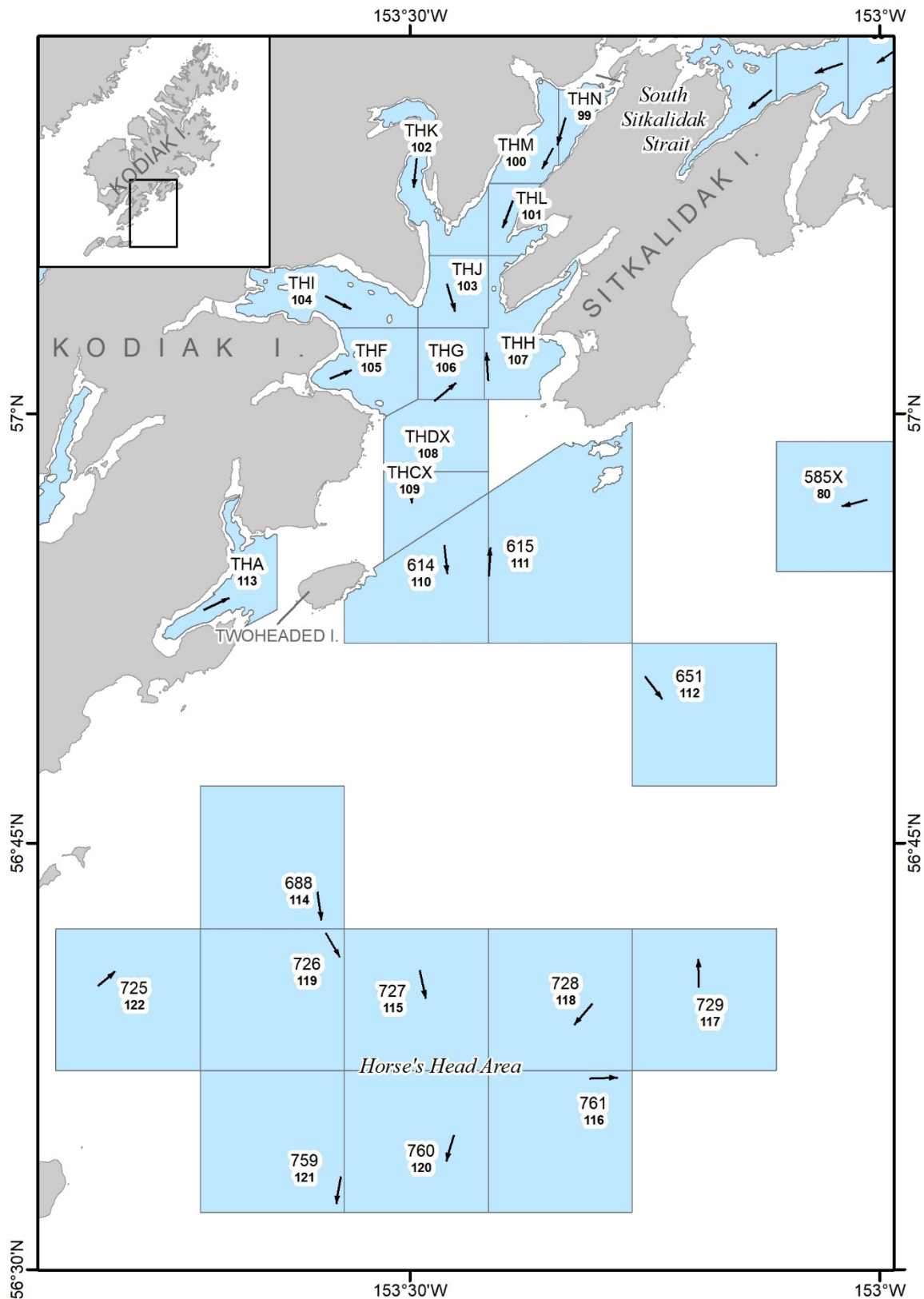
Appendix C2.–Chiniak Bay and Chiniak Gully station boundaries with station name, trawl haul number (**bold**), and haul location and direction (arrow), June 2024.



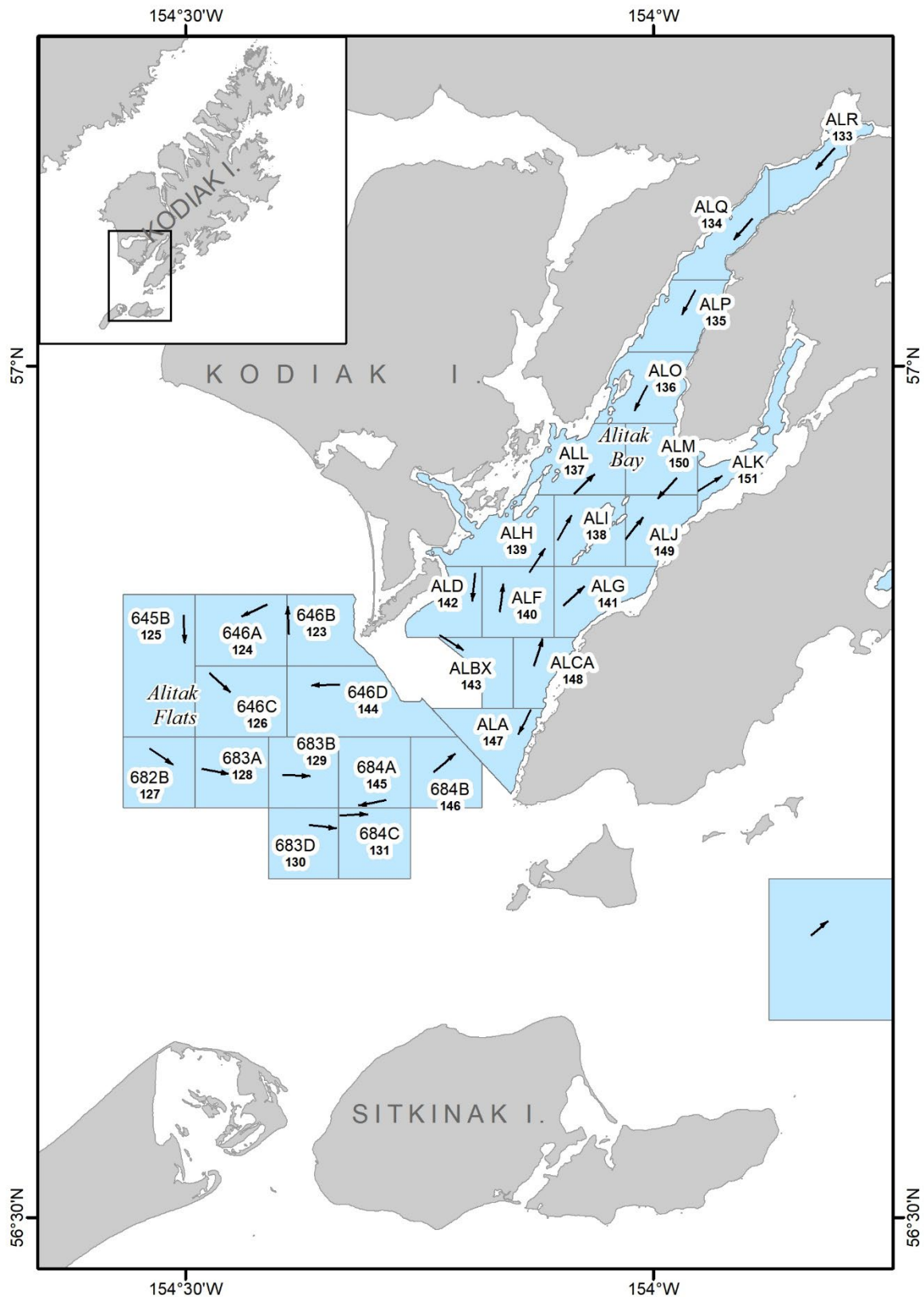
Appendix C3.—Ugak Bay, Kiliuda Bay, and Barnabas Gully station boundaries with station name, trawl haul number (**bold**), and haul location and direction (arrow), June and July 2024.



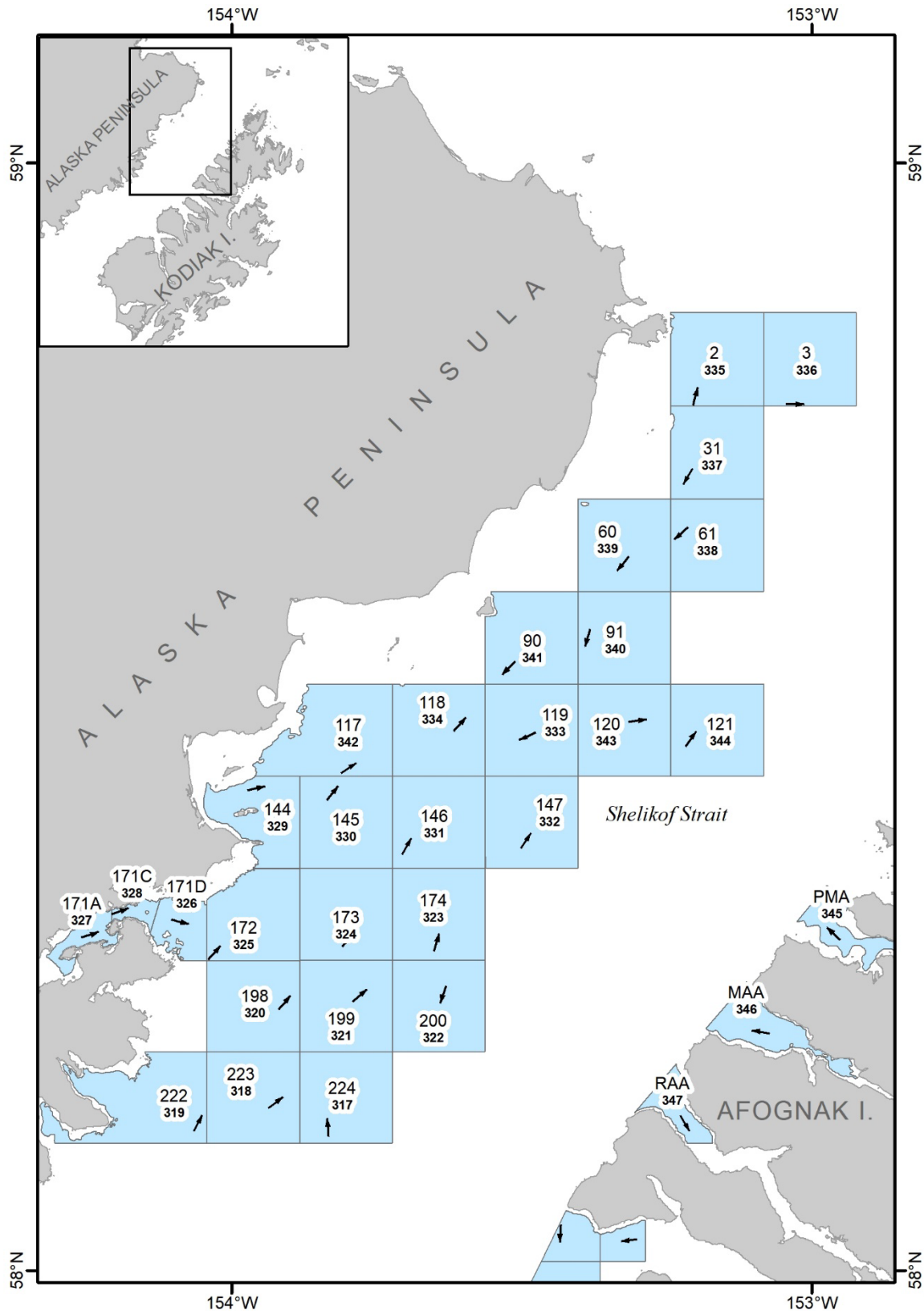
Appendix C4.—South Sitkalidak Strait, Twoheaded Island, and Horse's Head area station boundaries with station name, trawl haul number (bold), and haul location and direction (arrow), July 2024.



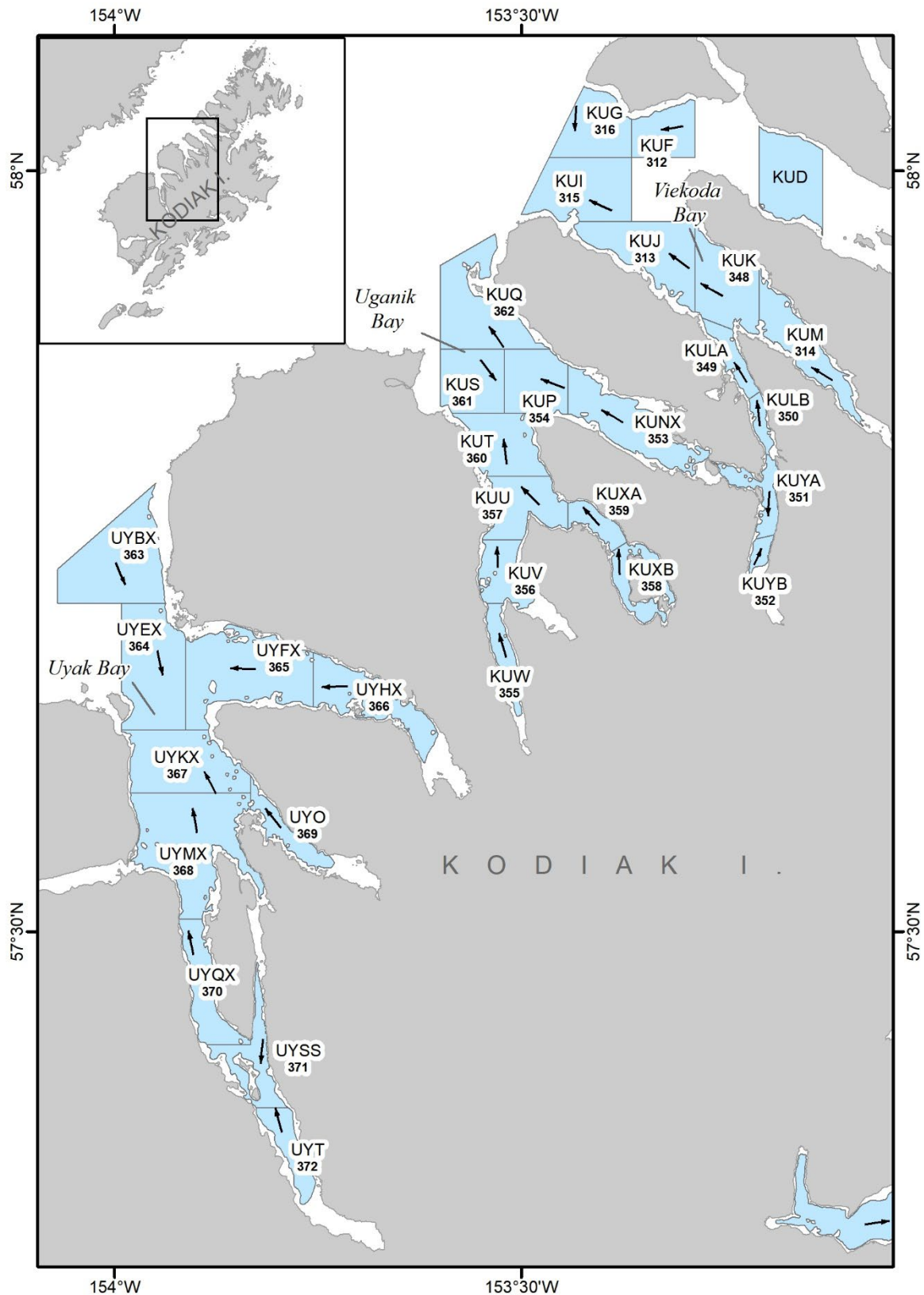
Appendix C5.—Alitak Bay and Alitak Flats station boundaries with station name, trawl haul number (bold), and haul location and direction (arrow), July 2024.



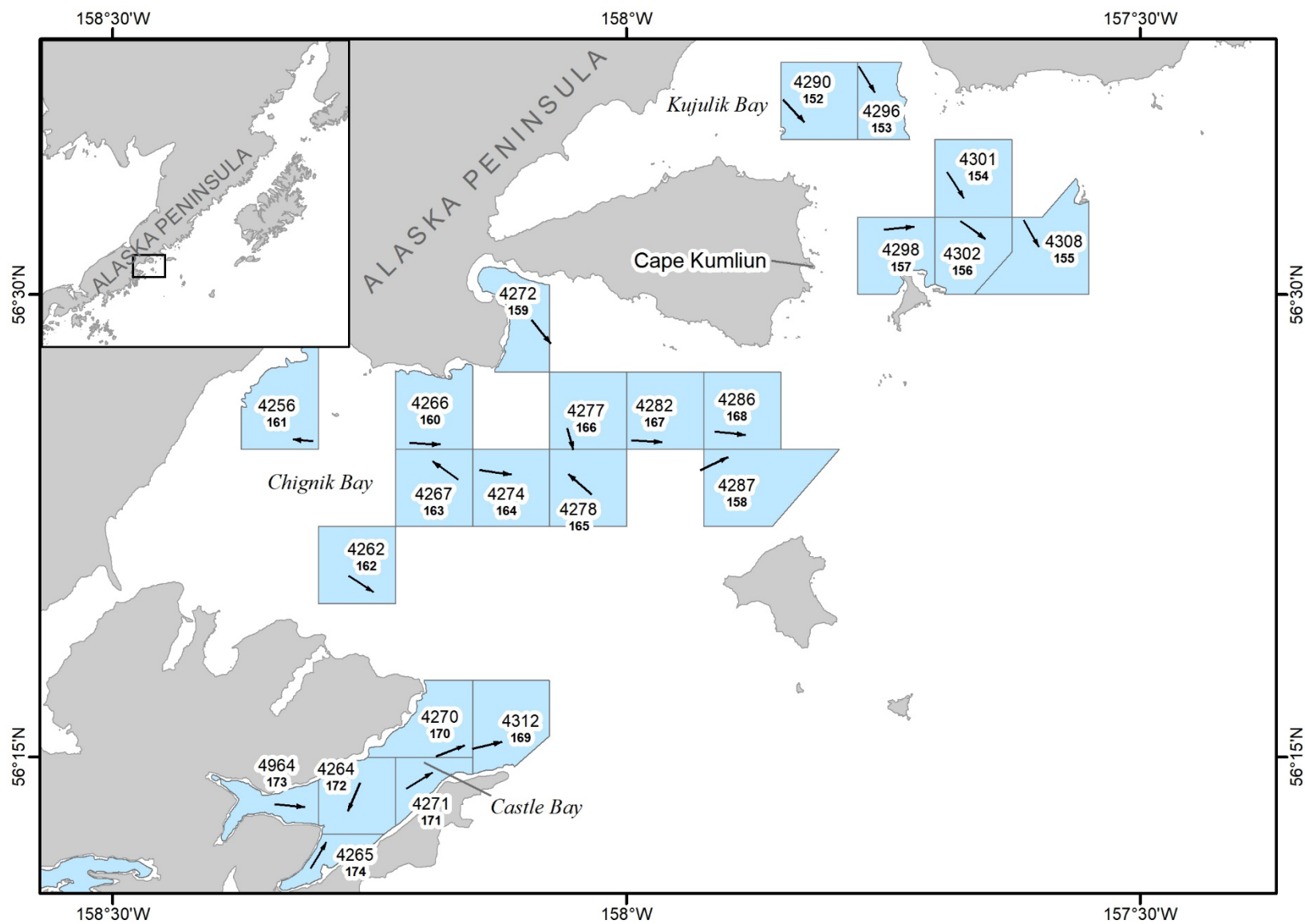
Appendix C6.–Shelikof Strait and Afognak Island station boundaries with station name, trawl haul number (bold), and haul location and direction (arrow), September 2024.



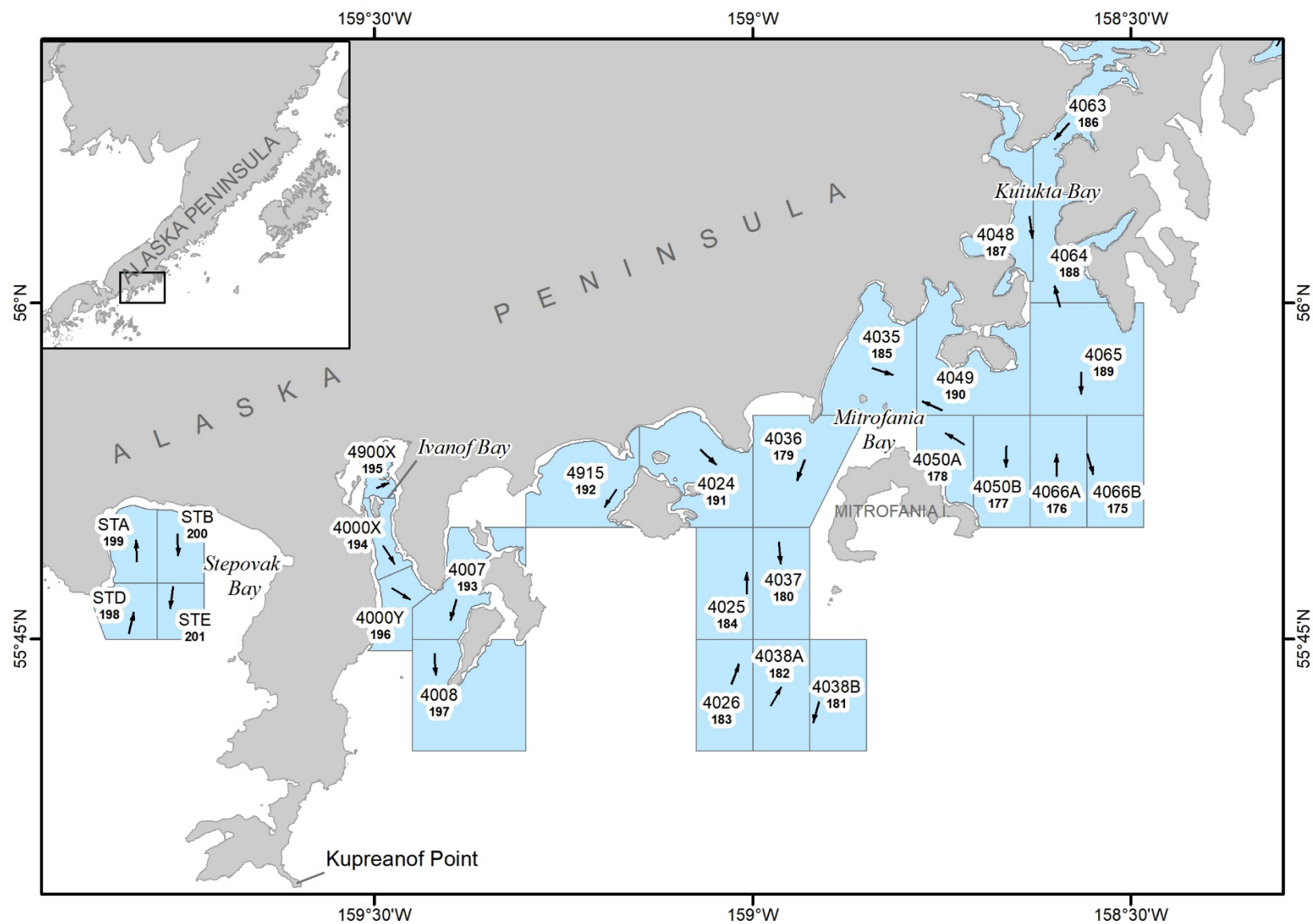
Appendix C7.—Uyak Bay, Uganik Bay, and Viekada Bay station boundaries with station name, trawl haul number (**bold**), and haul location and direction (arrow), September 2024.



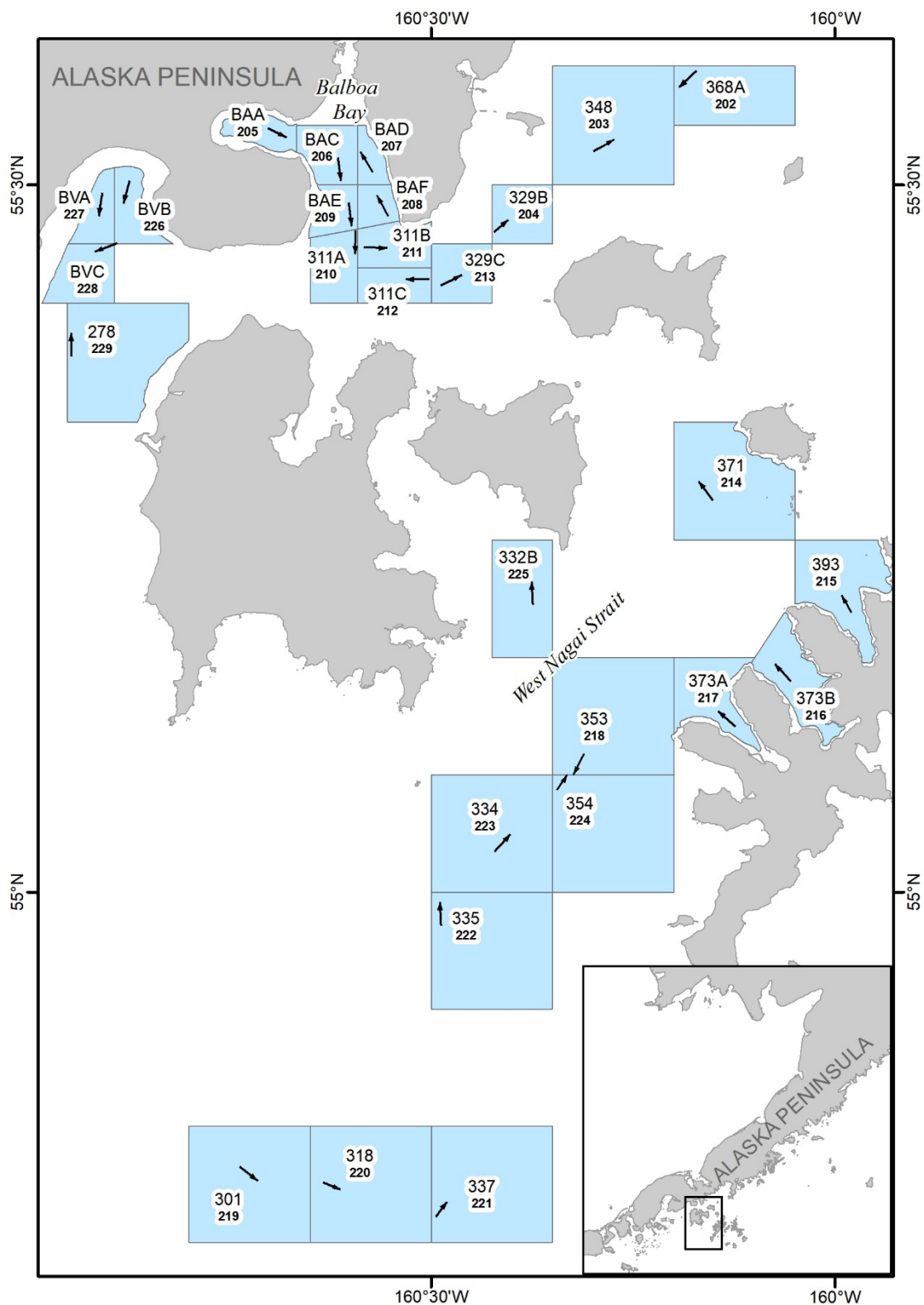
Appendix C8.—Kujulik Bay, Chignik Bay, and Castle Bay station boundaries with station name, trawl haul number (bold), and haul location and direction (arrow), July 2024.



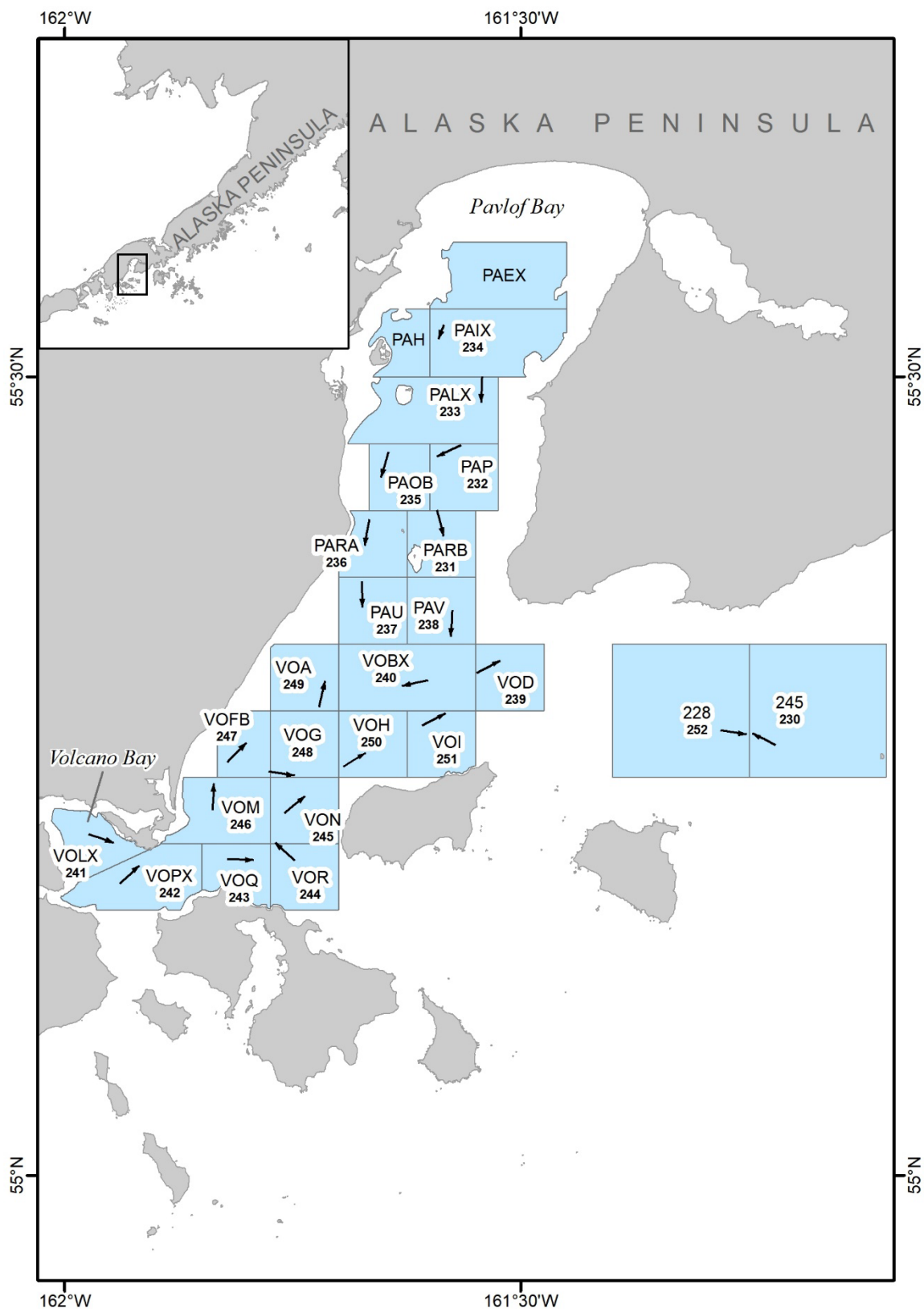
Appendix C9.—Stepovak Bay, Ivanof Bay, Kuiukta Bay, and Mitrofanía Bay station boundaries with station name, trawl haul number (**bold**), and haul location and direction (arrow), July 2024.



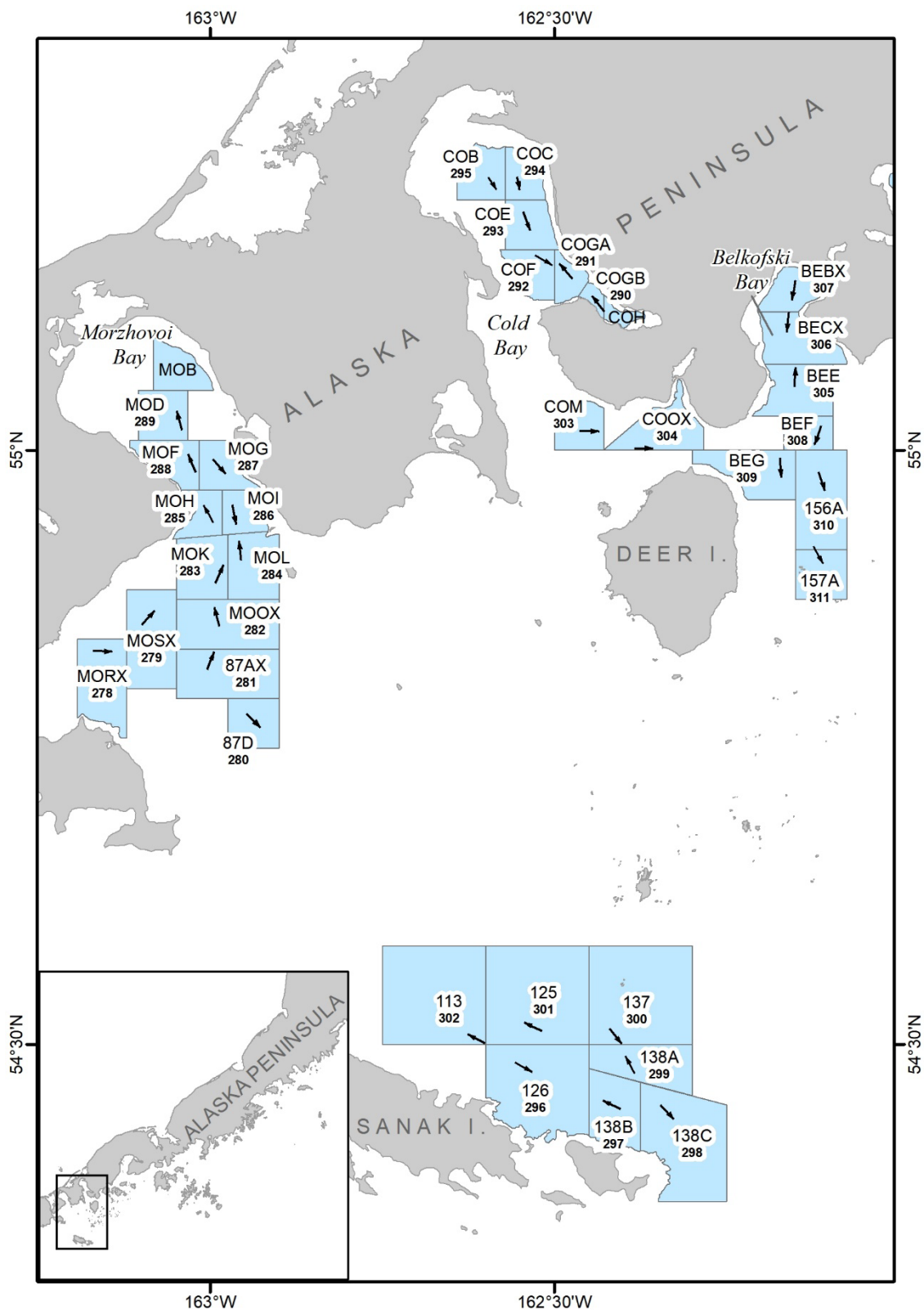
Appendix C10.—Unga Strait, Beaver Bay, Balboa Bay, and West Nagai Strait station boundaries with station name, trawl haul number (**bold**), and haul location and direction (arrow), July and August 2024.



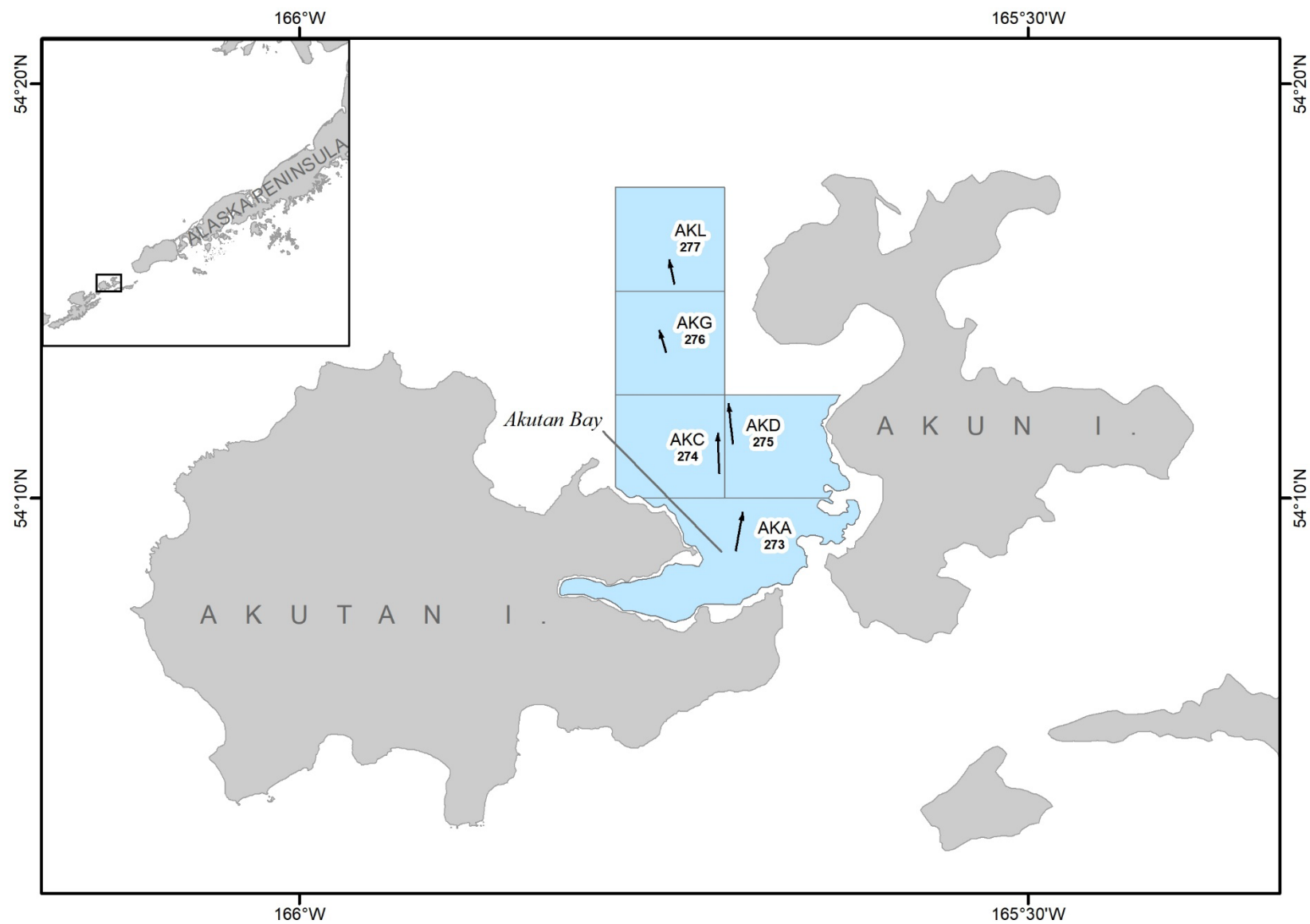
Appendix C11.–Pavlof Bay and Volcano Bay station boundaries with station name, trawl haul number (**bold**), and haul location and direction (arrow), August 2024.



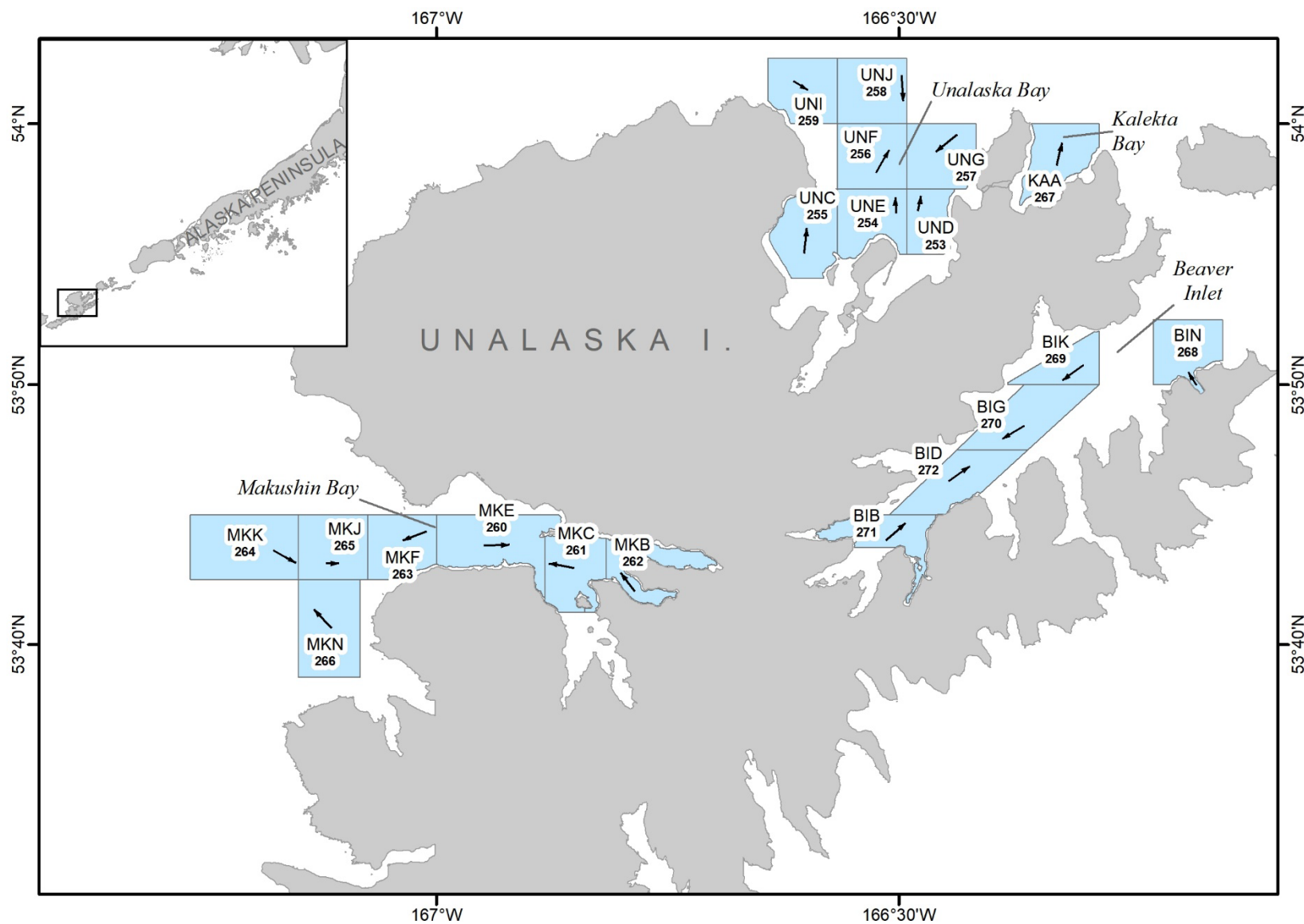
Appendix C12.–Morzhovoi Bay, Cold Bay, Belkofski Bay, Deer Island, and Sanak Island station boundaries with station name, trawl haul number (bold), and haul location and direction (arrow), August 2024.



Appendix C13.—Akutan Bay station boundaries with station name, trawl haul number (**bold**), and haul location and direction (arrow), August 2024.



Appendix C14.–Unalaska Bay, Kalekta Bay, Beaver Inlet, and Makushin Bay station boundaries with station name, trawl haul number (**bold**), and haul location and direction (arrow), August 2024.



APPENDIX D: TANNER CRAB ABUNDANCE ESTIMATES BY STATION

Appendix D1.—Tanner crab abundance estimates in the Kodiak District by station and section, 2024.

Station	Haul no.	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
		Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
Northeast Section														
369X	40	0	0	0	0	0	0	0	0	0	0	0	0	0
395	41	3,836	0	3,836	3,836	0	0	3,836	0	0	3,836	0	7,672	11,508
420	42	0	0	0	3,763	0	0	0	0	0	0	0	3,763	3,763
421	43	0	0	0	0	0	0	0	0	0	0	0	0	0
443	45	3,976	0	3,976	3,976	0	0	3,976	0	0	3,976	0	7,951	11,927
444	44	3,697	0	3,697	0	0	0	0	0	0	0	0	0	3,697
CHA	5	477	0	477	477	0	0	0	0	0	0	0	477	953
CHB	6	346	0	346	0	0	0	0	0	0	0	0	0	346
CHE	4	894	0	894	894	0	0	0	0	0	0	0	894	1,787
CHF	7	33,722	0	33,722	26,977	0	0	0	0	0	0	0	26,977	60,699
CHG	39	1,451	0	1,451	1,451	0	0	7,253	0	1,451	8,704	1,451	10,155	11,605
CHJ	1	611	0	611	611	0	0	0	0	0	0	0	611	1,223
CHK	2	27,577	13,562	41,140	36,619	1,808	452	1,356	0	0	1,356	0	40,235	81,375
CHL	3	8,304	8,304	16,608	7,118	593	593	0	0	0	0	0	8,304	24,912
KZA	37	10,184	5,092	15,276	7,274	10,184	2,182	0	0	0	0	0	19,640	34,916
KZB	38	2,358	725	3,083	1,088	2,539	181	0	0	0	0	0	3,809	6,892
KZC	35	1,302	0	1,302	0	0	0	0	0	0	0	0	0	1,302
KZD	36	2,075	0	2,075	1,038	5,189	1,038	0	0	0	0	0	7,264	9,340
KZE	34	1,393	0	1,393	0	0	0	0	0	0	0	0	0	1,393
KZF	33	7,932	0	7,932	0	881	881	0	0	0	0	0	1,763	9,695
KZG	32	22,343	0	22,343	26,998	0	0	0	0	0	0	0	26,998	49,340
KZJ	31	7,446	1,862	9,308	7,446	0	0	0	0	0	0	0	7,446	16,754
KZK	27	18,615	931	19,546	18,615	0	931	0	0	0	0	0	19,546	39,092
KZO	28	25,131	931	26,061	26,992	0	931	0	0	0	0	0	27,923	53,984
255A	13	10,437	13,916	24,352	13,916	0	0	0	0	0	0	0	13,916	38,268
255B	14	0	0	0	0	0	0	3,369	0	0	3,369	0	3,369	3,369
256	15	0	0	0	3,602	0	3,602	0	0	0	0	0	7,204	7,204
257	16	0	0	0	7,133	0	0	0	0	0	0	0	7,133	7,133
283A	9	63,798	0	63,798	51,646	0	0	9,114	0	0	9,114	0	60,760	124,558
283B	12	30,887	0	30,887	47,734	0	2,808	0	0	0	0	0	50,542	81,429
284	18	3,647	0	3,647	0	0	0	0	0	0	0	0	0	3,647
285	17	0	0	0	0	0	0	0	0	0	0	0	0	0
313	10	345,573	0	345,573	243,040	0	7,595	15,190	0	0	15,190	0	265,825	611,398

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Station	Haul no.	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
		Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
314	11	0	0	0	7,614	0	0	0	0	0	0	0	7,614	7,614
KZR	30	151,703	58,724	210,426	121,198	84,075	13,103	0	0	0	0	0	218,376	428,802
KZS	29	131,057	30,837	161,893	93,407	60,633	7,374	2,458	0	0	2,458	0	163,872	325,766
MOEX	25	19,443	0	19,443	21,063	0	0	0	0	0	0	0	21,063	40,507
MOGX	8	46,664	5,833	52,497	49,580	2,916	0	17,499	0	5,833	23,332	5,833	75,828	128,325
MOLA	20	7,372	0	7,372	11,059	1,229	0	3,686	0	0	3,686	0	15,974	23,346
MOLB	19	9,813	0	9,813	13,739	0	0	0	0	0	0	0	13,739	23,552
MONX	26	767,271	169,130	936,400	97,469	146,204	125,318	212,344	0	27,848	240,192	27,848	609,182	1,545,583
MOPA	23	10,964	0	10,964	14,618	0	0	0	0	0	0	0	14,618	25,582
MOPB	24	3,524	881	4,405	7,048	0	881	0	0	0	0	0	7,929	12,334
MOXA	21	2,309	577	2,886	3,463	0	0	0	0	0	0	0	3,463	6,349
MOXB	22	8,709	1,451	10,160	7,257	0	0	0	0	0	0	0	7,257	17,418
All stations towed														
Total		1,796,837	312,755	2,109,592	989,760	316,251	167,870	280,081	0	35,132	315,212	35,132	1,789,092	3,898,685
Eastside Section														
UGAA	58	36,860	1,391	38,251	16,691	39,641	4,868	11,127	2,086	22,950	36,163	25,037	97,365	135,615
UGAC	56	0	0	283	424	0	0	0	0	0	0	0	424	706
UGAD	57	8,645	0	8,645	1,345	13,256	192	192	576	0	768	576	15,561	24,206
UGB	59	4,434	0	4,434	4,695	522	522	8,869	0	1,565	10,434	1,565	16,172	20,606
UGC	60	287,632	0	287,632	246,275	10,708	1,338	9,369	0	0	9,369	0	267,690	555,322
UGD	61	9,815	467	10,282	8,413	935	0	1,402	0	0	1,402	0	10,750	21,032
UGE	49	7,094	546	7,639	3,820	1,091	546	8,185	0	1,637	9,822	1,637	15,278	22,918
UGF	62	3,459	0	3,459	5,535	0	0	6,226	0	0	6,226	0	11,761	15,220
UGG	63	0	0	0	0	0	0	0	0	0	0	0	0	0
UGI	64	2,962	1,975	4,937	2,962	0	7,899	77,013	0	6,911	83,924	6,911	94,786	99,722
UGJ	48	0	0	0	0	0	0	0	0	0	0	0	0	0
UGM	65	1,519	1,519	3,038	1,428	0	15,706	224,174	0	44,264	268,438	44,264	285,572	288,610
KLA	91	11,926	0	11,926	14,679	917	0	0	5,504	917	6,421	6,422	22,018	33,944
KLB	92	0	11,139	11,139	1,519	0	1,013	28,355	0	6,076	34,431	6,076	36,962	48,102
KLC	93	1,698	43,291	44,989	849	0	7,640	93,374	0	32,256	125,630	32,256	134,119	179,108
KLD	90	925	0	925	0	0	0	0	0	0	0	0	0	925
KLE	98	1,072	0	1,072	3,932	357	1,787	5,361	0	1,430	6,791	1,430	12,867	13,939
KLF	97	2,621	655	3,276	2,621	655	1,966	28,831	655	7,208	36,694	7,863	41,936	45,213

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Appendix D1.–Page 3 of 7.

Station	Haul no.	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
		Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
KLG	96	9,385	2,888	12,272	7,219	4,331	3,610	15,160	0	5,053	20,213	5,053	35,373	47,645
KLH	95	14,002	3,685	17,687	10,317	0	2,211	11,054	3,685	1,474	16,213	5,159	28,741	46,427
KLI	94	0	0	0	0	0	949	1,899	0	0	1,899	0	2,848	2,848
KLL	72	4,747	0	4,747	10,443	0	949	16,139	0	949	17,088	949	28,481	33,228
486A	47	0	0	0	0	0	11,001	125,413	0	28,603	154,016	28,603	165,017	165,017
486B	46	0	0	0	0	0	0	0	0	0	0	0	0	0
510C	67	0	0	0	0	0	0	0	0	934	934	934	934	934
510D	66	0	0	0	1,668	0	1,668	35,026	0	3,336	38,362	3,336	41,697	41,697
511A	55	0	0	0	0	0	0	11,054	0	5,527	16,581	5,527	16,581	16,581
511B	50	0	0	0	0	0	1,880	0	0	0	0	0	1,880	1,880
533A	85	0	0	0	7,520	0	1,880	20,679	0	9,400	30,079	9,400	39,479	39,479
533B	71	3,760	5,640	9,400	1,880	0	3,760	16,920	0	7,520	24,440	7,520	30,079	39,479
534BX	68	0	0	0	913	0	0	913	0	0	913	0	1,826	1,826
534DX	69	0	0	0	0	0	0	0	0	0	0	0	0	0
535A	54	1,009	154,435	155,444	0	914	8,229	100,582	0	45,719	146,301	45,719	155,444	310,889
535B	51	0	337,978	337,978	1,866	0	24,252	281,694	0	65,293	346,987	65,293	373,104	711,082
535C	53	923	114,506	115,429	0	0	14,775	101,577	0	35,090	136,667	35,090	151,443	266,872
535D	52	1,238	246,344	247,582	5,398	2,699	24,293	383,287	0	124,163	507,450	124,163	539,841	787,423
559	89	755,740	11,280	767,020	533,906	3,760	11,280	93,998	0	33,839	127,837	33,839	676,782	1,443,802
560	73	44,243	3,687	47,930	22,121	3,687	3,687	36,869	0	11,061	47,930	11,061	77,425	125,354
561	70	26,319	135,356	161,676	11,280	0	0	210,554	0	176,716	387,270	176,715	398,550	560,225
587	84	1,326,954	47,634	1,374,588	1,919,466	64,340	21,447	193,019	0	0	193,019	0	2,198,271	3,572,859
588	86	398,550	18,800	417,349	221,834	15,040	15,040	135,356	0	26,319	161,675	26,319	413,589	830,938
589	74	0	870,740	870,740	0	0	71,145	582,497	0	240,113	822,610	240,113	893,755	1,764,495
619	82	349,370	49,368	398,738	167,090	7,595	34,178	102,533	0	37,975	140,508	37,975	349,370	748,108
620	88	146,636	86,478	233,114	319,592	131,597	11,280	71,438	0	18,800	90,238	18,800	552,705	785,819
621	75	106,330	34,178	140,508	64,558	0	7,595	227,850	0	174,686	402,536	174,685	474,688	615,195
654	83	7,520	0	7,520	0	0	3,760	15,040	0	3,760	18,800	3,760	22,559	30,079
655	87	312,072	124,077	436,149	176,715	0	0	52,639	0	18,800	71,439	18,800	248,153	684,302
656	76	67,678	26,319	93,998	37,599	0	3,760	37,599	0	30,079	67,678	30,079	109,037	203,035
695	78	203,035	3,760	206,795	251,913	3,760	11,280	78,958	0	7,520	86,478	7,520	353,431	560,225
696	77	64,558	15,190	79,748	53,165	0	7,595	102,533	0	41,773	144,306	41,773	205,065	284,813
All stations towed														
Total		4,224,730	2,353,323	6,578,336	4,141,648	305,805	344,978	3,564,757	12,507	1,279,714	4,856,979	1,292,222	9,649,409	16,227,746

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	Haul	Females			Number sublegal males by size (CW)				Recruit	Postrecruit	Mature	Legal	Total	Total
Station	no.	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm	males	males	males	males	males	crab
Southeast Section														
614	110	11,473	9,561	21,034	10,736	10,736	21,471	230,818	5,368	611,936	848,122	617,303	891,063	912,097
THA	113	2,647	0	2,647	1,985	662	0	662	0	0	662	0	3,309	5,956
THCX	109	22,289	4,286	26,575	14,573	0	2,572	7,715	0	6,858	14,573	6,858	31,719	58,294
THDX	108	15,034	6,264	21,298	13,781	0	5,011	30,067	0	15,034	45,101	15,034	63,893	85,190
THF	105	64,648	0	64,648	57,595	11,754	1,175	5,877	0	2,351	8,228	2,351	78,753	143,401
THG	106	15,913	0	15,913	26,522	0	1,768	4,420	0	884	5,304	884	33,594	49,507
THH	107	6,253	893	7,147	5,360	0	0	893	0	0	893	0	6,253	13,400
THI	104	26,530	0	26,530	41,690	2,842	4,737	6,632	0	2,842	9,474	2,842	58,745	85,275
THJ	103	17,037	0	17,037	12,390	0	3,872	58,854	2,323	61,177	122,354	63,500	138,616	155,653
THK	102	55,041	40,745	95,786	59,330	5,719	2,144	21,445	0	6,433	27,878	6,433	95,072	190,858
THL	101	6,903	0	6,903	11,776	812	0	2,030	0	0	2,030	0	14,618	21,522
THM	100	18,155	0	18,155	13,049	3,971	0	1,702	0	0	1,702	0	18,722	36,877
THN	99	4,557	228	4,785	5,013	456	684	7,063	0	1,367	8,430	1,367	14,582	19,367
585X	80	7,507	3,753	11,260	15,014	3,753	3,753	52,548	0	0	52,548	0	75,068	86,328
586	79	133,159	19,727	152,886	73,977	14,795	9,864	167,682	0	19,727	187,409	19,727	286,045	438,932
615	111	26,169	8,723	34,892	47,976	0	4,361	43,615	0	4,361	47,976	4,361	100,314	135,206
618A	81	48,879	15,040	63,918	22,559	1,880	1,880	48,879	0	31,959	80,838	31,959	107,157	171,075
651	112	1,741,936	373,272	2,115,208	1,372,825	155,414	60,439	112,244	8,634	25,902	146,780	34,536	1,735,457	3,850,665
688	114	248,153	56,399	304,552	225,594	52,639	48,879	30,079	0	7,520	37,599	7,520	364,710	669,262
725	122	33,228	0	33,228	28,481	0	0	0	0	0	0	0	28,481	61,709
726	119	259,433	11,280	270,713	195,515	3,760	3,760	11,280	0	0	11,280	0	214,314	485,027
727	115	95,859	339,194	435,053	92,172	66,364	73,738	106,920	0	22,121	129,041	22,121	361,316	796,369
728	118	500,067	139,116	639,183	439,965	205,317	92,183	62,852	0	41,901	104,753	41,901	842,218	1,481,401
729	117	734,827	250,267	985,094	771,934	64,328	53,607	166,180	0	26,803	192,983	26,803	1,082,851	2,067,946
759	121	356,965	15,190	372,155	303,800	7,595	11,393	26,583	0	0	26,583	0	349,370	721,525
760	120	141,927	502,497	644,424	107,404	57,538	30,687	145,763	0	65,210	210,973	65,210	406,601	1,051,025
761	116	1,251,201	400,711	1,651,913	937,265	190,272	112,754	162,083	0	14,094	176,177	14,094	1,416,468	3,068,380
All stations towed														
Total		5,845,789	2,197,147	8,042,936	4,908,281	860,607	550,732	1,514,885	16,325	968,482	2,499,692	984,807	8,819,311	16,862,247
Southwest Section														
ALA	147	1,367	0	1,367	2,187	0	0	0	0	0	0	0	2,187	3,554
ALBX	143	2,833	1,133	3,966	2,833	0	0	0	0	0	0	0	2,833	6,799

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Station	Haul no.	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
		Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
ALCA	148	0	2,852	2,852	0	1,252	6,259	55,083	626	65,098	120,807	65,724	128,318	131,169
ALD	142	18,675	21,504	40,179	18,109	566	3,395	11,884	0	23,202	35,086	23,202	57,156	97,335
ALF	140	21,619	14,100	35,719	12,220	0	0	6,580	0	11,280	17,860	11,280	30,079	65,798
ALG	141	19,866	7,774	27,640	14,684	0	1,727	5,182	0	9,501	14,683	9,501	31,095	58,735
ALH	139	15,551	707	16,258	13,430	707	0	3,534	707	12,723	16,964	13,430	31,102	47,360
ALI	138	4,292	0	4,292	13,104	819	0	23,750	4,095	122,027	149,872	126,121	163,794	168,085
ALJ	149	12,573	0	12,573	20,514	0	1,323	35,734	662	27,131	63,527	27,793	85,365	97,938
ALK	151	25,990	0	25,990	33,038	441	441	1,322	0	0	1,322	0	35,241	61,231
ALL	137	1,083	0	1,083	2,888	0	361	8,663	2,527	33,569	44,759	36,095	48,006	49,089
ALM	150	74,220	0	74,220	83,410	4,948	2,121	7,775	0	6,362	14,137	6,362	104,615	178,836
ALO	136	103,909	0	103,909	106,856	13,265	1,474	2,211	4,422	11,791	18,424	16,213	140,019	243,927
ALP	135	123,987	0	123,987	104,410	4,894	0	0	0	816	816	816	110,120	234,107
ALQ	134	163,601	0	163,601	183,796	18,380	1,021	6,127	0	1,021	7,148	1,021	210,344	373,945
ALR	133	16,423	1,173	17,596	5,279	2,346	0	1,760	18,769	12,317	32,846	31,087	40,472	58,068
645B	125	129,341	58,654	187,995	100,765	4,512	16,544	39,103	0	46,623	85,726	46,623	207,547	395,542
646A	124	43,961	3,564	47,525	36,832	0	1,188	1,188	0	1,188	2,376	1,188	40,396	87,922
646B	123	16,441	0	16,441	18,585	0	0	2,144	0	0	2,144	0	20,730	37,171
646C	126	154,917	2,479	157,395	182,007	0	0	52,002	0	174,007	226,009	174,007	408,017	565,412
646D	144	109,277	0	109,277	107,621	0	0	4,967	0	1,656	6,623	1,656	114,244	223,521
682B	127	35,878	944	36,822	25,492	944	1,888	1,888	0	6,609	8,497	6,609	36,822	73,645
683A	128	12,796	0	12,796	10,827	0	984	4,922	0	9,843	14,765	9,843	26,576	39,372
683B	129	22,238	0	22,238	23,165	0	0	0	0	927	927	927	24,091	46,330
683D	130	7,792	0	7,792	11,894	0	0	410	0	0	410	0	12,304	20,096
684A	145	1,907	0	1,907	4,768	0	0	0	0	0	0	0	4,768	6,675
684B	146	3,158	0	3,158	3,158	0	902	0	0	0	0	0	4,061	7,219
684C	131	1,128	0	1,128	2,256	0	376	4,136	0	2,632	6,768	2,632	9,400	10,528
All stations towed														
Total		1,144,823	114,884	1,259,707	1,144,128	53,073	40,006	280,365	31,807	580,322	892,494	612,129	2,129,701	3,389,408
Westside Section														
KUF	312	0	21,580	21,580	568	0	7,383	6,815	0	0	6,815	0	14,765	36,346
KUG	316	684	684	1,367	0	0	0	0	0	0	0	0	0	1,367
KUI	315	16,068	6,599	22,667	10,042	1,148	287	0	0	0	0	0	11,477	34,144
KUJ	313	192,869	50,569	243,439	97,085	155,644	46,231	7,705	0	0	9,246	1,541	308,207	551,645

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Station	Haul no.	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
		Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
KUK	348	0	47,332	47,332	1,246	0	3,737	623	0	0	623	0	5,605	52,937
KULA	349	5,619	7,492	13,110	1,313	9,920	12,401	3,064	1,605	875	5,544	2,480	29,178	42,288
KULB	350	466	0	466	233	0	0	0	0	0	0	0	233	699
KUM	314	939	470	1,409	1,409	0	0	0	0	0	0	0	1,409	2,817
KUYA	351	179	179	358	0	0	0	0	0	0	0	0	0	358
KUYB	352	0	0	0	0	0	0	0	0	0	0	0	0	0
MAA	346	5,029	457	5,486	10,058	0	0	0	0	0	0	0	10,058	15,544
PMA	345	90,897	6,684	97,581	98,249	4,010	4,679	0	0	0	0	0	106,938	204,518
RAA	347	1,786	21,436	23,222	298	5,359	26,200	17,566	11,016	595	29,177	11,611	61,033	84,256
KUNX	353	292,123	236,099	528,222	100,065	256,166	144,094	16,010	0	0	16,010	0	516,335	1,044,557
KUP	354	1,768	64,831	66,599	589	2,357	8,251	5,304	0	0	5,304	0	16,502	83,101
KUQ	362	102,077	38,279	140,356	56,507	20,962	1,823	6,380	0	0	6,380	0	85,672	226,027
KUS	361	60,099	33,740	93,838	34,794	30,577	14,761	7,381	0	0	7,381	0	87,512	181,351
KUT	360	25,805	32,880	58,685	20,394	37,875	12,902	6,243	416	0	6,659	416	77,831	136,516
KUU	357	109,302	87,630	196,932	88,511	83,753	15,228	1,903	0	952	2,855	952	190,347	387,279
KUV	356	6,648	3,217	9,865	3,002	11,151	3,002	0	0	0	0	0	17,156	27,020
KUW	355	0	0	0	0	0	0	0	0	0	0	0	0	0
KUXA	359	15,475	11,162	26,637	9,128	26,405	15,648	8,802	4,238	978	14,018	5,216	65,198	91,835
KUXB	358	9,843	358	10,201	15,213	11,991	3,400	179	0	0	179	0	30,783	40,984
UYBX	363	6,792	970	7,762	2,911	0	0	0	0	0	0	0	2,911	10,673
UYEX	364	987,098	175,862	1,162,960	1,703,955	378,657	10,518	10,518	0	0	10,518	0	2,103,648	3,266,608
UYFX	365	18,374	43,517	61,891	13,539	56,089	36,748	3,868	1,934	0	5,802	1,934	112,177	174,068
UYHX	366	6,497	0	6,497	10,107	361	180	0	0	0	0	0	10,648	17,145
UYKX	367	4,296	0	4,296	8,591	0	0	0	0	0	0	0	8,591	12,887
UYMX	368	25,817	96,813	122,630	30,427	9,220	21,207	30,427	0	2,766	33,193	2,766	94,047	216,678
UYO	369	12,674	109,840	122,513	356	12,820	37,747	16,737	4,273	712	21,722	4,985	72,645	195,158
UYQX	370	4,812	0	4,812	5,155	344	344	0	0	0	0	0	5,843	10,654
UYSS	371	267	0	267	0	0	0	0	0	0	0	0	0	267
UYT	372	0	0	0	0	0	0	0	0	0	0	0	0	0
KUD					station not towed									
Untowed station estimate		149,576	54,807	204,383	226,740	58,536	9,091	8,164	50	330	8,544	380	302,912	507,294
Total		2,153,877	1,153,487	3,307,363	2,550,485	1,173,345	435,860	157,689	23,532	8,750	189,971	32,282	4,349,661	7,657,024

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	Haul	Females			Number sublegal males by size (CW)				Recruit	Postrecruit	Mature	Legal	Total	Total
Station	no.	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm	males	males	males	males	males	crab
North Mainland Section														
171A	327	7,011	1,502	8,514	4,507	3,506	1,502	0	0	0	0	0	9,516	18,029
171C	328	354,970	7,244	362,214	213,226	106,613	1,568	1,568	0	0	1,568	0	322,974	685,188
171D	326	1,267	0	1,267	1,267	0	0	0	0	0	0	0	1,267	2,534
117	342	4,286	0	4,286	4,286	0	0	0	0	0	0	0	4,286	8,573
118	334	11,393	11,393	22,785	30,380	0	0	0	0	0	0	0	30,380	53,165
119	333	83,545	0	83,545	79,748	0	0	3,798	0	0	3,798	0	83,545	167,090
120	343	41,359	0	41,359	30,079	0	0	0	0	0	0	0	30,079	71,438
121	344	458,708	315,832	774,540	263,193	45,119	0	3,760	0	0	3,760	0	312,072	1,086,611
144	329	13,443	0	13,443	10,755	8,066	0	0	0	0	0	0	18,820	32,264
145	330	3,760	0	3,760	18,800	0	0	0	0	0	0	0	18,800	22,559
146	331	67,678	616,624	684,302	56,399	0	3,760	0	0	3,760	3,760	3,760	63,918	748,220
147	332	163,293	132,913	296,205	144,305	11,393	0	0	0	0	0	0	155,698	451,903
172	325	14,078	35,195	49,273	17,598	7,039	17,598	7,039	10,559	3,520	21,118	14,078	63,351	112,625
173	324	711,961	134,016	845,978	345,911	78,958	3,760	7,520	0	3,760	11,280	3,760	439,908	1,285,886
174	323	195,515	255,673	451,188	101,517	97,757	3,760	26,319	0	3,760	30,079	3,760	233,114	684,302
198	320	616,624	30,079	646,703	413,589	7,520	0	0	0	0	0	0	421,109	1,067,812
199	321	593,590	29,495	623,085	457,175	213,840	11,061	3,687	0	0	3,687	0	685,762	1,308,847
2	335	18,762	0	18,762	11,257	0	0	0	0	0	0	0	11,257	30,019
200	322	323,351	165,436	488,787	180,475	120,317	0	7,520	0	0	7,520	0	308,312	797,099
222	319	365,654	36,565	402,219	274,240	4,571	13,712	9,141	0	4,571	13,712	4,571	306,235	708,454
223	318	895,157	67,377	962,535	473,748	30,079	11,280	7,520	0	0	7,520	0	522,626	1,485,161
224	317	762,348	281,964	1,044,313	451,903	41,773	22,785	0	0	0	0	0	516,460	1,560,773
3	336	0	0	0	7,672	0	3,836	0	0	0	0	0	11,508	11,508
31	337	22,463	0	22,463	26,207	0	3,744	26,207	0	11,231	37,438	11,231	67,388	89,851
60	339	3,760	0	3,760	7,520	0	0	0	0	0	0	0	7,520	11,280
61	338	3,798	0	3,798	0	0	0	3,798	0	0	3,798	0	3,798	7,595
90	341	7,039	0	7,039	28,154	0	14,077	144,290	0	42,231	186,521	42,231	228,752	235,791
91	340	34,178	0	34,178	22,785	0	0	3,798	0	0	3,798	0	26,583	60,760
all stations towed														
Total		5,778,989	2,121,309	7,900,298	3,676,693	776,549	112,442	255,963	10,559	72,832	339,354	83,391	4,905,037	12,805,335
Kodiak District Total														
Kodiak District Total		20,945,045	8,252,905	29,198,232	17,410,995	3,485,630	1,651,888	6,053,740	94,730	2,945,232	9,093,702	3,039,963	31,642,211	60,840,445

Note: CW = carapace width.

Appendix D2.—Tanner crab abundance estimates in the Chignik District by station and sampling locale, 2024.

	Haul	Females			Number sublegal males by size (CW)				Recruit	Postrecruit	Mature	Legal	Total	Total
Station	no.	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm	males	males	males	males	males	crab
Ivanof Bay														
4000X	194	18,948	0	18,948	21,409	4,922	984	2,707	1,723	0	4,430	1,723	31,744	50,692
4000Y	196	12,577	0	12,577	16,071	0	0	1,397	0	0	1,397	0	17,469	30,046
4007	193	315,227	3,267	318,494	352,211	5,337	0	1,779	0	0	1,779	0	359,326	677,820
4008	197	169,438	9,413	178,851	197,677	0	1,883	7,531	0	0	7,531	0	207,090	385,941
4900X	195	60,209	0	60,209	75,978	0	0	0	0	0	0	0	75,978	136,188
4915	192	6,781	0	6,781	4,521	0	0	0	0	0	0	0	4,521	11,301
Total		583,180	12,680	595,860	667,867	10,259	2,867	13,414	1,723	0	15,137	1,723	696,128	1,291,988
Mitrofanina Island														
4024	191	65,654	0	65,654	103,531	0	2,525	0	0	0	0	0	106,056	171,710
4025	184	147,420	122,531	269,950	101,471	3,829	5,744	13,402	0	3,829	17,231	3,829	128,274	398,225
4026	183	107,383	46,021	153,404	113,135	5,753	11,505	26,846	0	1,918	28,764	1,918	159,157	312,561
4035	185	178,489	7,874	186,363	160,115	15,749	68,246	83,995	5,250	2,625	91,870	7,874	335,978	522,342
4036	179	244,583	0	244,583	267,335	0	0	2,844	2,844	0	5,688	2,844	273,023	517,606
4037	180	137,847	40,205	178,052	176,138	0	0	11,487	0	3,829	15,316	3,829	191,454	369,507
4038A	182	153,001	11,620	164,622	92,963	1,937	3,873	48,418	0	13,557	61,975	13,557	160,748	325,370
4038B	181	23,241	34,861	58,102	34,861	5,810	25,177	29,051	0	0	29,051	0	94,900	153,001
4048	187	42,782	3,056	45,838	41,254	18,335	8,404	5,348	0	764	6,112	764	74,105	119,943
4049	190	388,601	0	388,601	345,980	0	0	0	0	2,507	2,507	2,507	348,487	737,088
4050A	178	9,084	21,574	30,658	14,761	0	2,271	1,135	0	1,135	2,270	1,135	19,303	49,962
4050B	177	43,741	1,902	45,643	64,661	22,821	7,607	3,804	0	3,804	7,608	3,804	102,697	148,339
4063	186	233,692	7,587	241,279	257,136	34,748	41,698	22,586	3,475	0	26,061	3,475	359,643	600,922
4064	188	79,522	99,825	179,347	76,138	3,384	10,152	18,612	1,692	8,460	28,764	10,152	118,437	297,784
4065	189	0	7,088	7,088	24,807	0	14,175	10,631	0	3,544	14,175	3,544	53,157	60,245
4066A	176	7,565	18,913	26,478	7,565	3,783	9,457	11,348	0	5,674	17,022	5,674	37,826	64,304
4066B	175	46,299	11,575	57,874	34,724	3,858	5,787	17,362	0	3,858	21,220	3,858	65,590	123,464
Total		1,908,904	434,632	2,343,536	1,916,575	120,007	216,621	306,869	13,261	55,504	375,634	68,764	2,628,835	4,972,373

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	Haul	Females			Number sublegal males by size (CW)				Recruit	Postrecruit	Mature	Legal	Total	Total
Station	no.	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm	males	males	males	males	males	crab
Chignik Bay														
4256	161	162,809	0	162,809	182,407	1,507	0	0	0	0	0	0	183,914	346,723
4262	162	151,125	1,938	153,063	156,685	25,272	40,435	94,348	32,011	0	126,359	32,011	348,750	501,813
4264	172	711,597	17,970	729,567	542,534	68,675	51,506	20,603	3,434	0	24,037	3,434	686,752	1,416,319
4265	174	326,588	0	326,588	516,619	5,218	0	0	0	0	0	0	521,837	848,425
4266	160	218,497	2,196	220,692	284,911	5,844	0	1,461	1,461	0	2,922	1,461	293,677	514,370
4267	163	417,491	2,281	419,773	524,306	2,648	2,648	0	0	0	0	0	529,602	949,375
4270	170	21,648	313,064	334,712	10,507	8,255	18,011	54,785	15,010	12,008	81,803	27,017	118,575	453,288
4271	171	34,137	4,377	38,513	21,320	2,206	12,498	75,723	33,818	3,676	113,217	37,494	149,239	187,753
4272	159	6,281	698	6,978	9,072	2,094	20,237	29,309	3,489	0	32,798	3,489	64,201	71,179
4274	164	100,363	20,796	121,158	136,529	904	904	0	0	0	0	0	138,338	259,496
4277	166	138,557	33,356	171,914	139,840	8,981	3,849	3,849	0	0	3,849	0	156,519	328,432
4278	165	118,437	23,499	141,936	128,777	1,880	6,580	4,700	0	0	4,700	0	141,936	283,873
4282	167	75,001	37,026	112,026	77,849	949	2,848	3,798	0	0	3,798	0	85,444	197,470
4286	168	188,935	5,640	194,575	277,210	1,451	1,451	0	0	0	0	0	280,113	474,688
4287	158	249,657	14,979	264,637	219,699	0	1,248	7,490	0	1,248	8,738	1,248	229,685	494,322
4312	169	110,410	229,314	339,724	42,728	41,349	41,349	104,752	26,188	19,296	150,236	45,484	275,662	615,386
4964	173	21,190	0	21,190	37,294	0	424	0	0	0	0	0	37,718	58,908
Total		3,052,723	707,134	3,759,855	3,308,287	177,233	203,988	400,818	115,411	36,228	552,457	151,638	4,241,962	8,001,820
Kujulik Bay														
4290	152	0	0	0	0	0	0	0	0	0	0	0	0	0
4296	153	44,668	2,256	46,924	52,789	9,475	5,414	6,317	1,805	0	8,122	1,805	75,800	122,723
4298	157	2,500	0	2,500	4,166	0	0	0	0	0	0	0	4,166	6,666
4301	154	5,631	0	5,631	3,754	0	0	0	0	0	0	0	3,754	9,385
4302	156	12,905	0	12,905	8,872	0	0	0	0	0	0	0	8,872	21,778
4308	155	13,536	8,272	21,807	21,807	0	1,504	2,256	0	0	2,256	0	25,567	47,375
Total		79,240	10,528	89,767	91,388	9,475	6,918	8,573	1,805	0	10,378	1,805	118,159	207,927
Chignik District Total		5,624,046	1,164,974	6,789,020	5,984,116	316,974	430,396	729,670	132,198	91,731	953,600	223,929	7,685,086	14,474,106

Note: CW = carapace width.

Appendix D3.—Tanner crab abundance estimates in the South Peninsula District by station, sampling locale, and section, 2024.

Station	Haul no.	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
		Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
Sanak Island														
113	302	88,862	0	88,862	123,039	6,836	0	0	0	0	0	0	129,875	218,736
125	301	23,924	3,418	27,342	23,924	34,178	17,089	0	3,418	0	3,418	3,418	78,608	105,950
126	296	17,225	0	17,225	34,451	6,890	0	0	0	0	0	0	41,341	58,567
137	300	30,380	15,190	45,570	49,368	37,975	45,570	7,595	3,798	0	11,393	3,798	144,305	189,875
138A	299	13,725	1,525	15,250	10,675	19,825	12,200	1,525	0	0	1,525	0	44,225	59,476
138B	297	17,768	0	17,768	13,730	5,653	2,423	0	0	0	0	0	21,806	39,574
138C	298	30,258	0	30,258	20,172	5,043	2,522	5,043	0	5,043	10,086	5,043	37,823	68,082
Total		222,142	20,133	242,275	275,359	116,400	79,804	14,163	7,216	5,043	26,422	12,259	497,983	740,260
Morzhovoi Bay														
87AX	281	0	156,598	156,598	1,957	1,957	23,490	193,790	0	162,470	356,260	162,470	383,665	540,263
87D	280	987	2,962	3,949	1,975	1,975	17,772	56,279	0	14,810	71,089	14,810	92,811	96,760
MOD	289	17,672	0	17,672	22,620	0	0	0	0	0	0	0	22,620	40,291
MOF	288	23,870	0	23,870	26,522	0	0	0	0	0	0	0	26,522	50,391
MOG	287	19,443	0	19,443	20,221	0	0	0	0	0	0	0	20,221	39,664
MOH	285	21,224	0	21,224	19,234	0	0	663	0	0	663	0	19,897	41,121
MOI	286	5,944	0	5,944	19,317	0	0	0	743	0	743	743	20,060	26,003
MOK	283	2,792	70,738	73,530	4,654	931	2,792	44,676	13,031	67,015	124,722	80,045	133,099	206,629
MOL	284	6,580	3,760	10,340	6,580	0	0	15,040	20,679	1,880	37,599	22,559	44,179	54,519
MOOX	282	3,838	213,015	216,853	4,068	4,068	24,410	227,830	0	553,301	781,131	553,301	813,679	1,030,532
MORX	278	9,133	0	9,133	4,566	0	0	0	0	1,522	1,522	1,522	6,088	15,221
MOSX	279	15,438	7,719	23,157	13,508	0	1,930	11,579	17,368	13,508	42,455	30,876	57,893	81,050
MOB		station not towed												
Total		126,921	454,792	581,713	145,222	8,931	70,394	549,857	51,821	814,506	1,416,184	866,326	1,640,734	2,222,444
Cold Bay/Belkofski Bay														
156A	310	19,565	29,347	48,912	5,869	0	9,782	39,129	0	17,608	56,737	17,608	72,389	121,301
157A	311	2,793	0	2,793	5,587	0	2,793	21,416	0	4,656	26,072	4,656	34,452	37,246
BEBX	307	2,010	0	2,010	0	0	0	0	0	0	0	0	0	2,010
BECX	306	4,500	0	4,500	9,000	0	0	1,125	1,125	0	2,250	1,125	11,250	15,749
BEE	305	6,646	28,481	35,127	2,967	0	13,353	155,788	1,484	121,663	278,935	123,147	295,256	330,383

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Appendix D3.–Page 2 of 4.

Station	Haul no.	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
		Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
BEF	308	5,712	0	5,712	7,616	0	635	0	0	635	635	635	8,885	14,597
BEG	309	13,355	0	13,355	13,355	0	0	890	0	0	890	0	14,246	27,601
COB	295	1,229	0	1,229	8,606	1,229	0	0	0	0	0	0	9,835	11,064
COC	294	941	0	941	941	0	0	0	0	0	0	0	941	1,882
COE	293	22,146	886	23,032	8,858	25,689	2,657	1,772	886	0	2,658	886	39,862	62,894
COF	292	15,775	4,071	19,846	2,035	13,739	4,580	7,633	1,018	509	9,160	1,527	29,514	49,360
COGA	291	5,592	8,603	14,194	430	5,162	8,173	26,668	4,731	1,290	32,689	6,022	46,454	60,649
COGB	290	797	0	797	638	797	159	478	0	0	478	0	2,072	2,870
COM	303	7,309	3,249	10,558	6,497	0	2,436	3,249	0	0	3,249	0	12,182	22,740
COOX	304	16,974	61,368	78,342	2,611	11,751	32,642	86,176	1,306	35,254	122,736	36,559	169,740	248,082
COH					<i>station not towed</i>									
Total		125,344	136,005	261,348	75,010	58,367	77,210	344,324	10,550	181,615	536,489	192,165	747,078	1,008,428
Pavlof Bay/Volcano Bay														
228	252	6,799	24,930	31,729	3,966	6,232	19,264	39,095	0	9,065	48,160	9,065	77,622	109,351
245	230	21,853	1,900	23,754	24,704	1,900	6,651	4,751	0	0	4,751	0	38,006	61,760
PAIX	234	35,105	0	35,105	46,806	5,851	0	2,925	0	0	2,925	0	55,582	90,687
PALX	233	37,441	3,566	41,007	35,658	24,961	5,349	7,132	0	0	7,132	0	73,099	114,106
PAOB	235	4,337	100,612	104,949	4,337	17,347	51,174	34,694	3,469	5,204	43,367	8,673	116,225	221,174
PAP	232	7,364	4,603	11,967	3,682	9,205	14,728	51,549	4,603	10,126	66,278	14,728	93,892	105,859
PARA	236	2,534	9,290	11,824	966	10,631	89,877	65,716	11,597	15,462	92,775	27,060	194,250	206,074
PARB	231	0	181,979	181,979	0	910	21,838	57,323	0	34,576	91,899	34,576	114,647	296,626
PAU	237	16,302	6,713	23,015	9,590	8,631	31,646	51,784	15,343	6,713	73,840	22,056	123,706	146,722
PAV	238	7,291	13,671	20,962	4,557	911	7,291	20,051	911	23,696	44,658	24,608	57,418	78,380
VOA	249	1,934	4,835	6,769	967	1,934	2,901	8,703	4,835	10,637	24,175	15,473	29,978	36,748
VOBX	240	0	143,139	143,139	1,909	0	5,726	45,805	0	28,628	74,433	28,628	82,067	225,206
VOD	239	921	121,508	122,428	2,762	3,682	3,682	50,628	2,762	38,662	92,052	41,423	102,177	224,605
VOFB	247	681	681	1,363	0	0	1,363	2,044	2,044	0	4,088	2,044	5,450	6,813
VOG	248	1,940	28,132	30,072	1,940	0	8,730	18,431	7,760	14,551	40,742	22,311	51,413	81,485
VOH	250	3,852	17,335	21,187	4,815	0	4,815	26,002	0	49,115	75,117	49,115	84,748	105,935
VOI	251	12,204	40,366	52,570	7,510	3,755	2,816	36,611	939	116,404	153,954	117,343	168,035	220,604
VOLX	241	7,041	7,823	14,863	20,339	0	782	1,565	782	1,565	3,912	2,347	25,033	39,897
VOM	246	2,436	1,218	3,655	1,218	0	0	9,746	1,218	0	10,964	1,218	12,182	15,837

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Appendix D3.–Page 3 of 4.

Station	Haul no.	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
		Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
VON	245	13,717	4,899	18,615	19,595	16,656	32,332	43,109	8,818	12,737	64,664	21,555	133,247	151,862
VOPX	242	31,294	37,814	69,108	22,167	39,118	76,932	52,157	1,304	0	53,461	1,304	191,678	260,787
VOQ	243	9,072	2,791	11,863	9,770	698	3,489	2,791	2,094	0	4,885	2,094	18,842	30,705
VOR	244	17,778	5,614	23,393	10,293	10,293	27,135	43,978	13,100	2,807	59,885	15,907	107,606	130,999
PAEX							<i>station not towed</i>							
PAH							<i>station not towed</i>							
Total		241,896	763,419	1,005,316	237,551	162,715	418,521	676,590	81,579	379,948	1,138,117	461,528	1,956,903	2,962,222
Beaver Bay/Balboa Bay/ Unga Strait														
278	229	0	0	0	0	3,133	3,133	6,265	0	6,265	12,530	6,265	18,796	18,796
311A	210	87,004	3,425	90,429	106,186	11,646	1,370	685	0	0	685	0	119,887	210,316
311B	211	161,634	1,720	163,353	176,701	7,287	0	0	0	0	0	0	183,987	347,341
311C	212	225,188	2,197	227,385	216,542	12,537	1,140	0	0	0	0	0	230,219	457,604
329B	204	9,377	52,743	62,120	0	24,182	169,273	162,678	0	85,736	248,414	85,736	441,870	503,989
329C	213	174,685	949	175,634	226,986	8,233	1,176	0	0	0	0	0	236,394	412,029
348	203	125,318	262,028	387,345	64,558	22,785	34,178	26,583	0	3,798	30,381	3,798	151,900	539,245
368A	202	98,255	1,927	100,182	100,182	11,559	3,853	0	0	0	0	0	115,594	215,776
BAA	205	4,889	0	4,889	2,444	0	611	0	0	0	0	0	3,055	7,944
BAC	206	71,775	11,099	82,874	54,016	18,499	740	1,480	0	0	1,480	0	74,735	157,609
BAD	207	8,007	0	8,007	10,555	0	0	0	0	0	0	0	10,555	18,562
BAE	209	18,034	7,326	25,360	10,707	49,076	102,613	19,630	0	0	19,630	0	182,026	207,386
BAF	208	418	0	418	0	0	0	0	0	0	0	0	0	418
BVA	227	0	0	0	0	0	0	0	0	0	0	0	0	0
BVB	226	0	0	0	0	0	0	0	0	0	0	0	0	0
BVC	228	0	0	0	0	0	827	2,482	0	1,654	4,136	1,654	4,963	4,963
Total		984,584	343,414	1,327,996	968,877	168,937	318,914	219,803	0	97,453	317,256	97,453	1,773,981	3,101,978

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Station	Haul no.	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
		Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
Stepovak Bay														
STA	199	31,294	0	31,294	21,170	0	0	0	0	0	0	0	21,170	52,464
STB	200	98,434	0	98,434	106,706	827	1,654	0	0	0	0	0	109,188	207,622
STD	198	108,029	22,588	130,617	107,047	3,928	3,928	2,946	0	0	2,946	0	117,850	248,468
STE	201	109,007	4,088	113,095	102,194	4,769	6,813	6,132	0	0	6,132	0	119,908	233,003
Total		346,765	26,676	373,441	337,117	9,525	12,396	9,078	0	0	9,078	0	368,115	741,556
West Nagai Strait														
301	219	0	0	0	3,798	0	3,798	7,595	0	15,190	22,785	15,190	30,380	30,380
318	220	0	4,747	4,747	4,747	9,494	0	0	0	0	0	0	14,241	18,988
332B	225	45,570	0	45,570	41,773	1,899	0	0	0	0	0	0	43,671	89,241
334	223	18,800	37,599	56,399	11,280	3,760	71,438	184,235	0	293,272	477,507	293,272	563,985	620,384
335	222	3,760	3,760	7,520	0	0	0	0	0	3,760	3,760	3,760	3,760	11,280
337	221	0	0	0	0	0	0	0	0	4,688	4,688	4,688	4,688	4,688
353	218	15,100	0	15,100	7,550	0	0	0	0	0	0	0	7,550	22,650
354	224	34,080	19,474	53,554	14,606	0	4,869	9,737	0	4,869	14,606	4,869	34,080	87,635
371	214	6,735	0	6,735	0	0	0	0	0	0	0	0	0	6,735
373A	217	0	0	0	1,241	0	1,241	0	0	0	0	0	2,482	2,482
373B	216	28,780	64,755	93,534	0	14,824	67,767	220,243	93,180	33,884	347,307	127,063	429,898	523,432
393	215	8,854	17,707	26,561	2,213	24,347	70,829	196,993	22,134	24,347	243,474	46,481	340,864	367,424
Total		161,679	148,042	309,720	87,208	54,324	219,942	618,803	115,314	380,010	1,114,127	495,323	1,475,599	1,785,319
untowed station estimate		11,855	1,743	13,597	13,632	4,734	3,359	6,553	354	4,410	11,317	4,764	33,043	46,639
Western Section ^a		486,261	612,671	1,098,931	509,224	188,433	230,768	914,898	69,939	1,005,575	1,990,412	1,075,514	2,918,838	4,017,769
untowed station estimate		57,095	15,472	72,567	55,674	8,613	10,454	15,231	1,424	5,889	22,545	7,314	97,287	169,854
Eastern Section ^b		1,792,017	1,297,023	3,089,040	1,686,425	404,112	980,226	1,539,506	198,317	863,301	2,601,125	1,061,619	5,671,888	8,760,928
South Peninsula District Total		2,278,278	1,909,694	4,187,971	2,195,649	592,545	1,210,994	2,454,404	268,256	1,868,876	4,591,537	2,137,133	8,590,726	12,778,697

Note: CW = carapace width.

^a Western Section of the South Peninsula District includes Sanak Island, Morzhovoi Bay, and Cold Bay/Belkofski Bay.

^b Eastern Section of the South Peninsula District includes Pavlof Bay/Volcano Bay, Beaver Bay/Balboa Bay/Unga Strait, West Nagai Strait, and Stepovak Bay.

Appendix D4.—Tanner crab abundance estimates in the Eastern Aleutian District by station and sampling locale, 2024.

	Haul	Females			Number sublegal males by size (CW)				Recruit	Postrecruit	Mature	Legal	Total	Total
Station	no.	Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm	males	males	males	males	males	crab
Akutan Bay Section														
AKA	273	110,544	12,114	122,658	167,673	122,530	27,408	6,449	0	0	6,449	0	324,061	446,719
AKC	274	112,807	313,809	426,616	23,380	163,657	280,554	119,820	0	0	119,820	0	587,411	1,014,027
AKD	275	92,317	649,912	742,229	126,118	95,850	413,667	363,220	0	5,045	368,265	5,045	1,003,900	1,746,128
AKG	276	9,821	3,274	13,095	18,005	0	0	1,637	0	0	1,637	0	19,642	32,737
AKL	277	9,338	4,669	14,007	14,007	0	0	0	0	0	0	0	14,007	28,014
all stations towed														
Total		334,827	983,778	1,318,605	349,183	382,037	721,629	491,126	0	5,045	496,171	5,045	1,949,021	3,267,625
Unalaska/Kalekta Bay Section														
UNC	255	23,256	8,089	31,345	17,189	4,045	0	0	0	0	0	0	21,234	52,579
UND	253	8,467	847	9,313	5,927	14,393	4,233	0	0	0	0	0	24,553	33,866
UNE	254	11,699	1,300	12,999	2,600	0	0	0	0	0	0	0	2,600	15,598
UNF	256	6,580	0	6,580	8,460	0	0	0	0	0	0	0	8,460	15,040
UNG	257	6,329	1,808	8,138	5,425	0	0	0	0	0	0	0	5,425	13,563
UNI	259	1,304	0	1,304	0	0	0	0	0	0	0	0	0	1,304
UNJ	258	51,266	10,443	61,709	51,266	2,848	0	0	0	0	0	0	54,114	115,824
KAA	267	1,917	959	2,876	1,917	10,545	5,752	0	0	0	0	0	18,214	21,090
all stations towed														
Total		110,818	23,446	134,264	92,784	31,831	9,985	0	0	0	0	0	134,600	268,864
Makushin/Skan Bay Section														
MKB	262	12,312	114,658	126,970	18,468	27,703	29,242	37,706	4,617	10,004	52,327	14,621	127,740	254,710
MKC	261	91,244	686,155	777,399	92,724	82,421	68,684	89,290	0	15,454	104,744	15,454	348,573	1,125,972
MKE	260	19,322	0	19,322	18,034	1,288	1,288	0	0	0	0	0	20,610	39,931
MKF	263	12,147	934	13,082	14,951	934	0	0	0	0	0	0	15,885	28,967
MKJ	265	0	0	0	0	0	0	0	0	0	0	0	0	0
MKK	264	7,828	0	7,828	0	0	0	0	0	0	0	0	0	7,828
MKN	266	60,268	56,791	117,059	35,929	1,159	4,636	1,159	0	0	1,159	0	42,883	159,942
MKP					station not towed									
untowed station estimate		13,349	56,423	69,772	11,837	7,460	6,825	8,422	304	1,673	10,398	1,976	36,520	106,292
Total		216,470	914,961	1,131,432	191,943	120,965	110,675	136,577	4,921	27,131	168,628	32,051	592,211	1,723,642

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Appendix D4.–Page 2 of 2.

Station	Haul no.	Females			Number sublegal males by size (CW)				Recruit males	Postrecruit males	Mature males	Legal males	Total males	Total crab
		Juvenile	Mature	Total	<70 mm	70–91 mm	92–114 mm	>114 mm						
BIB	271	12,152	41,773	53,925	14,431	34,937	18,988	0	0	0	0	0	68,355	122,280
BID	272	26,662	3,333	29,995	22,496	10,832	5,832	0	0	0	0	0	39,160	69,155
BIG	270	36,091	0	36,091	42,107	0	0	0	0	0	0	0	42,107	78,198
BIK	269	82,730	2,873	85,602	71,240	1,149	0	0	0	0	0	0	72,389	157,991
BIN	268	2,666	0	2,666	3,999	5,332	9,331	1,333	0	0	1,333	0	19,996	22,662
all stations towed														
Total		160,301	47,979	208,279	154,273	52,250	34,151	1,333	0	0	1,333	0	242,007	450,286
Eastern Aleutian														
District Total		822,416	1,970,164	2,792,580	788,183	587,083	876,440	629,036	4,921	32,176	666,132	37,096	2,917,839	5,710,417

Note: CW = carapace width.